KyPSC Case No. 2024-00197
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VERIFICATION

STATE OF NORTH CAROLINA)
) **SS:**
COUNTY OF MECKLENBURG)

The undersigned, Matt Kalemba, Vice President Integrated Resource Planning, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

Matt Kalemba Affiant

Subscribed and sworn to before me by Matt Kalemba on this 3rd day of Sept., 2024.

NIMESH R. PATEL NOTARY PUBLIC MECKLENBURG COUNTY, N.C.

NOTARY PUBLIC

My Commission Expires: My Commission Expires Nov. 7, 2024

VERIFICATION

STATE OF NORTH CAROLINA)
) **SS:**
COUNTY OF MECKLENBURG)

The undersigned, Tyler Cook, Engineer III, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

Tyler Cook, Affiant

Subscribed and sworn to before me by Tyler Cook on this 4th day of September, 2024.

Jason King NOTARY PUBLIC Mecklenburg County, NC

NOTARY PUBLIC

My Commission Expires: 06/15/2028

VERIFICATION

STATE OF OHIO	)	
	)	**SS:**
COUNTY OF HAMILTON	)	

The undersigned, J. Michael Geers, Manager of the EHS Energy Transition Group, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

J. Michael Geers Affiant

Subscribed and sworn to before me by J. Michael Geers on this 3rd day of September, 2024.

NOTARY PUBLIC

My Commission Expires: July 8, 2027

EMILIE SUNDERMAN
Notary Public
State of Ohio
My Comm. Expires
July 8, 2027

VERIFICATION

STATE OF NORTH CAROLINA)
) **SS:**
COUNTY OF MECKLENBURG)

The undersigned, John D. Swez, Managing Director, Trading and Dispatch, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

John D. Swez, Affiant

Subscribed and sworn to before me by John D. Swez on this 28 day of August, 2024.

NOTARY PUBLIC

My Commission Expires:

SHAMELL M WILSON
My Comm. Expires
NOTARY PUBLIC
July 06, 2026
MECKLENBURG COUNTY, NC

Duke Energy Kentucky
Case No. 2024-00197
SIERRA First Set Data Requests
Date Received: August 14, 2024

SIERRA-DR-01-001

REQUEST:

Provide all Duke responses to data requests from all parties in this proceeding. Continue to provide any such documentation, until this docket is closed, on a regular basis.

RESPONSE:

Objection. This request is unduly burdensome as it seeks information that is publicly available in the docket of this proceeding and is easily accessible to the Sierra Club. Thus, this request is interpreted as intending to harass. Without waiving said objection, and to the extent discoverable, see: https://psc.ky.gov/Case/ViewCaseFilings/2024-00197

PERSON RESPONSIBLE: Legal

SIERRA-DR-01-002

REQUEST:

To the extent not already provided, provide all exhibits, testimony and workpapers included in the filing in non-redacted, electronic versions.

RESPONSE:

Objection. This request is unduly burdensome as it seeks information that is publicly available in the docket of this proceeding and accessible to the Sierra Club. Confidential information will be provided pursuant to an executed protective agreement.

PERSON RESPONSIBLE: Legal

SIERRA-DR-01-003

REQUEST:

Please provide supporting workpapers and modeling files, including (not limited to) all input files, output files, and pre- or post-processing of said inputs and outputs for all resource portfolios and for all years modeled, in machine-readable Excel format.

RESPONSE:

Please see Confidential responses to STAFF-DR-01-021, STAFF-DR-01-022, and STAFF-DR-01-027.

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA-DR-01-004

REQUEST:

Please provide the underlaying data for all figures in the IRP.

RESPONSE:

Please see SIERRA-DR-01-004 Attachment.

PERSON RESPONSIBLE: Matthew Kalemba

Figure 3.1 High, Base and Low Henry Hub Gas Price Forecasts ($/mmBTU)

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
High	$5.19	$6.02	$6.17	$6.33	$6.15	$5.91	$6.14	$6.60	$7.02	$7.14	$7.62	$7.84	$8.22	$8.29	$8.63	$8.95	$9.29	$9.44	$9.77	$10.20	$10.40	$10.76	$11.27	$11.61	$12.23	$12.88
Base	$3.31	$3.62	$3.62	$3.64	$3.52	$3.47	$3.63	$3.92	$4.28	$4.43	$4.81	$4.92	$5.21	$5.41	$5.52	$5.93	$6.34	$6.52	$6.79	$7.04	$7.29	$7.60	$7.96	$8.24	$8.59	$9.15
Low	$2.77	$3.10	$3.16	$3.15	$3.08	$3.05	$3.21	$3.45	$3.70	$3.62	$3.81	$3.85	$4.01	$4.06	$4.22	$4.42	$4.67	$4.76	$4.98	$5.22	$5.35	$5.54	$5.88	$6.19	$6.49	$6.87

Figure 3.2 High, Base and Low coal Price Forecasts (east Bend Devivered Coal Price ($/mmBTU)

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
High	$2.65	$2.75	$2.85	$2.93	$2.99	$3.14	$2.90	$3.04	$3.14	$3.32	$3.45	$3.62	$3.74	$3.82	$3.94	$4.12	$4.22	$4.42	$4.59	$4.67	$4.85	$4.96	$5.21	$5.51	$5.59	$5.81
Base	$2.56	$2.64	$2.74	$2.82	$2.90	$2.94	$2.98	$3.00	$3.09	$3.21	$3.33	$3.46	$3.60	$3.67	$3.81	$3.96	$4.03	$4.19	$4.35	$4.44	$4.61	$4.70	$4.89	$5.09	$5.16	$5.37
Low	$2.48	$2.46	$2.45	$2.52	$2.60	$2.68	$2.61	$2.75	$2.82	$2.95	$3.08	$3.20	$3.29	$3.31	$3.37	$3.44	$3.49	$3.57	$3.68	$3.69	$3.78	$3.82	$3.99	$4.08	$4.03	$4.07

Figure 3.3 **PJM Expasion Plan with the EPA CAA Section 111 Update, Base Fuels, Nameplate Capacity (GW)**

Nameplate Capacity (MW)	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Battery	3,156	3,961	4,347	4,750	5,130	6,586	6,994	7,596	8,445	8,850	10,586	10,576	10,546	10,536	10,184	9,917	9,717	10,206	10,196	10,525	10,513	11,078	10,915	10,718	10,877	11,394
Coal	35,329	29,349	28,903	26,718	22,680	20,385	16,582	8,644	7,345	5,347	1,711	1,062	1,062	1,062												
Combined Cycle	57,238	58,188	58,018	66,124	70,917	74,516	75,691	80,759	86,112	88,903	91,613	91,642	92,540	91,611	91,359	91,395	91,010	91,529	90,855	92,013	92,013	93,027	93,027	93,027	92,588	91,282
Combustion Turbine	24,742	24,665	24,639	24,189	24,114	24,043	23,932	23,123	22,781	22,781	22,581	22,315	22,181	22,168	21,792	21,107	20,372	19,488	18,803	18,803	18,715	18,626	18,617	18,538	17,364	15,003
Nuclear	32,995	31,730	29,531	29,531	29,531	27,578	27,578	27,578	25,752	23,506	23,661	21,098	20,356	19,198	19,536	19,207	19,207	17,331	17,331	15,813	17,204	16,619	15,755	15,755	14,565	14,565
Other	26,622	26,501	27,163	27,646	28,236	27,816	27,118	28,084	28,607	30,002	31,354	32,595	34,217	36,095	38,135	40,197	42,289	44,482	46,860	49,276	51,880	54,878	57,632	60,326	62,977	65,460
Solar PV	34,611	40,448	41,604	42,776	43,954	48,043	50,013	55,689	63,341	71,163	76,824	82,503	88,404	95,087	100,802	108,660	115,944	125,427	134,421	143,790	153,085	161,583	168,441	175,647	183,334	192,147
Wind	29,572	29,572	29,572	29,572	29,572	30,153	32,153	34,153	36,153	38,153	40,153	42,153	44,153	46,153	47,672	47,672	47,672	47,672	47,672	47,672	47,672	47,952	49,952	51,952	51,952	53,695
Wind - Offshore	12	2,893	4,751	5,348	5,939	6,782	7,360	7,965	8,513	9,234	10,896	10,913	12,059	13,505	15,455	16,701	17,715	18,939	20,347	22,119	26,185	26,777	28,245	30,983	33,284	38,193

Figure 3.4 **PJM Generation with the EPA CAA Section 111 Update, Base Fuels, Generation (Gigawatt-hour (GWh)**

Generation (GWh)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Battery	-677	-899	-967	-1,015	-1,085	-1,416	-1,509	-1,389	-1,620	-1,803	-2,191	-2,223	-2,243	-2,268	-2,227	-2,219	-2,175	-2,326	-2,334	-2,405	-2,455	-2,552	-2,490	-2,478	-2,527	-2,666
Coal	88,719	90,424	90,578	74,593	61,145	51,330	44,739	31,598	25,196	17,264	6,371	3,389	3,505	3,564												
Combined Cycle	311,184	310,943	321,693	355,138	377,602	402,687	411,306	414,810	432,986	437,470	444,835	459,133	456,571	451,194	433,630	419,524	411,160	408,192	401,397	382,041	364,788	356,558	348,423	334,348	328,788	306,529
Combustion Turbine	19,373	16,844	20,197	12,601	10,278	9,837	8,975	6,956	3,690	2,969	1,752	2,171	2,493	2,650	2,057	1,693	1,409	1,151	1,148	755	759	591	585	605	454	374
Nuclear	265,511	258,988	236,780	237,972	239,204	219,253	222,202	222,717	205,032	199,313	191,976	179,748	166,209	155,885	155,717	158,735	156,653	146,807	138,567	141,869	139,010	139,613	132,933	128,719	122,897	118,810
Other	20,327	18,731	19,124	16,576	16,169	15,727	13,306	13,395	12,629	12,309	11,904	10,519	10,142	9,788	9,153	8,676	8,350	7,348	6,902	6,324	5,602	5,360	4,774	3,926	3,149	2,211
Solar PV	59,783	70,980	73,283	75,561	77,594	85,210	89,007	99,630	113,569	127,723	138,322	149,455	159,637	171,887	182,465	196,627	209,406	225,874	240,641	257,229	271,530	285,945	297,510	308,542	319,209	332,063
Wind	71,535	71,595	71,792	71,822	71,637	73,543	78,933	84,933	90,326	95,921	101,427	107,478	112,791	118,053	122,196	122,408	122,171	122,000	122,128	122,000	121,574	122,255	127,766	133,510	132,744	137,279
Wind - Offshore	49	10,806	18,317	20,626	22,763	25,927	28,099	30,283	32,451	35,103	41,332	42,147	46,062	51,704	59,054	63,824	67,435	72,066	76,879	84,237	99,129	101,364	107,369	117,903	127,588	146,639

Figure 3.5 **PJM Expasion Plan with the EPA CAA Section 111 Update, High Fuels, Nameplate Capacity (GW)**

Nameplate Capacity (MW)	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Battery	3,147	3,902	4,289	4,692	5,072	6,528	6,936	7,377	8,531	8,886	10,624	10,610	11,277	12,004	13,735	14,447	15,284	16,725	16,681	17,863	19,166	20,113	21,383	20,702	21,188	22,041
Coal	35,495	30,415	29,969	27,784	23,746	21,373	18,275	8,644	8,644	7,419	5,769	5,606	5,606	5,606												
Combined Cycle	57,238	57,099	56,929	59,578	60,421	62,312	61,760	63,145	60,878	58,920	57,261	57,497	59,390	59,390	61,974	61,974	61,974	61,974	61,953	61,953	61,953	61,953	61,953	61,953	61,929	60,624
Combustion Turbine	24,742	24,608	24,582	24,132	24,057	23,986	23,270	22,928	22,781	22,781	22,465	22,465	22,465	22,452	22,120	21,784	21,629	20,744	20,667	20,667	20,579	20,340	20,197	20,118	18,857	16,147
Nuclear	32,995	31,730	29,970	29,970	29,970	28,726	27,578	27,578	31,299	30,253	30,261	27,268	26,356	25,165	25,165	24,007	24,007	21,531	21,531	17,864	17,864	16,692	15,755	15,755	14,565	14,565
Other	26,436	26,501	26,616	27,099	27,689	26,389	27,117	28,084	28,607	30,001	31,353	32,594	34,216	36,094	38,134	40,196	42,288	44,481	46,860	49,276	51,880	54,878	57,632	60,326	62,977	65,460
Solar PV	34,610	42,326	48,069	55,257	62,584	70,456	79,907	89,572	99,189	107,773	112,563	117,239	126,719	134,395	143,788	153,134	156,340	165,622	172,000	181,180	190,289	197,211	203,498	212,434	218,501	223,474
Wind	29,572	33,572	37,572	39,819	41,819	44,214	46,214	50,214	52,214	54,214	54,314	56,314	57,572	59,214	60,286	60,803	60,803	63,803	63,915	66,915	68,933	69,404	71,201	73,201	74,905	75,345
Wind - Offshore	12	8,012	14,835	18,835	20,835	22,835	24,835	29,263	29,263	29,263	31,263	33,263	36,317	40,304	44,502	46,502	48,502	50,819	50,819	55,893	58,116	60,201	60,920	62,824	63,227	65,507

Figure 3.6 **PJM Generation with the EPA CAA Section 111 Update, High Fuels, Generation (GWh)**

Generation (GWh)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Battery	-668	-871	-971	-1,091	-1,190	-1,555	-1,724	-1,870	-2,280	-2,381	-2,764	-2,699	-2,841	-2,977	-3,431	-3,642	-3,745	-4,117	-4,136	-4,420	-4,716	-4,938	-5,165	-5,090	-5,157	-5,261
Coal	141,000	135,802	132,381	121,803	109,266	75,657	66,681	30,987	27,572	22,688	19,444	18,916	18,192	17,517												
Combined Cycle	270,295	240,214	223,793	215,203	213,068	240,361	236,139	243,037	208,251	199,161	200,712	208,820	208,718	201,695	199,779	192,170	188,344	184,665	186,434	171,556	169,457	164,951	161,608	154,433	149,942	143,098
Combustion Turbine	4,366	2,859	2,541	1,687	1,506	1,679	2,559	2,537	1,254	1,309	1,090	1,209	1,229	985	850	709	598	550	695	525	577	566	472	511	642	478
Nuclear	265,511	258,988	240,382	241,670	242,770	228,987	222,202	222,717	251,354	256,013	247,721	232,265	217,137	206,582	203,533	199,631	197,426	182,491	168,382	150,791	136,052	131,534	124,269	119,071	113,459	109,906
Other	17,228	16,392	15,818	14,456	14,140	13,946	12,437	11,597	10,634	9,988	9,593	8,412	7,969	7,521	6,716	6,127	5,955	4,781	4,395	3,545	3,011	2,352	1,751	564	60	-797
Solar PV	59,799	74,452	85,237	98,382	111,315	125,503	141,832	157,718	173,131	185,878	194,079	202,978	216,891	228,088	240,627	252,649	257,073	269,531	281,244	294,634	307,574	317,049	326,235	336,832	343,601	349,961
Wind	70,679	81,963	93,143	99,491	104,634	111,225	116,487	127,271	131,438	134,665	134,745	141,357	144,167	148,586	150,687	151,973	152,770	160,420	162,932	171,338	176,040	177,126	182,318	187,454	190,855	192,312
Wind - Offshore	49	29,916	56,091	71,239	78,465	85,884	93,369	109,214	109,191	109,445	117,145	124,319	134,789	150,501	166,188	174,387	182,971	191,661	191,692	212,381	220,923	228,989	233,229	239,984	243,401	253,170

Figure 3.7 **PJM Expasion Plan with the EPA CAA Section 111 Update, Low Fuels, Nameplate Capacity (GW)**

Nameplate Capacity (MW)	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Battery	3,181	3,986	4,371	4,775	5,154	6,611	7,017	7,923	8,413	8,384	10,124	10,266	10,239	10,230	9,866	9,368	9,155	9,386	9,528	10,035	10,183	10,173	9,731	9,724	9,716	10,416
Coal	34,992	29,349	28,903	26,718	22,680	21,227	16,594	8,644	7,345	5,463	2,067	1,062	1,062	1,062												
Combined Cycle	57,238	58,188	58,018	64,968	69,391	72,688	75,065	79,719	85,560	88,769	91,745	95,833	99,185	98,786	98,871	100,142	99,819	101,025	100,352	101,716	103,080	104,444	105,522	105,522	107,169	107,922
Combustion Turbine	24,742	24,665	24,639	24,189	24,114	24,043	23,932	23,123	22,781	22,781	22,465	22,315	22,181	22,168	21,792	21,456	21,301	20,416	20,290	20,290	20,202	20,113	20,104	20,025	18,808	16,098
H2 CT																				249	249	249	249	249	249	249
Nuclear	32,995	31,730	29,531	29,531	29,531	27,578	27,578	27,578	25,715	23,469	23,469	20,668	19,756	18,565	18,565	17,926	17,926	16,085	16,261	13,064	13,064	11,892	10,955	10,955	9,765	10,308
Other	26,999	26,501	27,163	27,646	28,236	27,816	27,118	28,084	28,607	30,002	31,354	32,595	34,217	36,095	38,135	40,197	42,289	44,482	46,860	49,276	51,880	54,878	57,632	60,326	62,977	65,460
Solar PV	34,610	40,499	41,655	42,827	44,290	48,360	50,277	56,264	61,808	66,933	68,998	72,681	77,310	83,102	88,000	94,546	100,696	109,038	116,943	126,397	135,780	144,116	153,272	161,064	166,018	172,959
Wind	29,572	29,572	29,572	29,572	29,572	29,572	29,572	31,572	31,572	31,572	31,572	31,572	31,572	31,572	31,572	31,572	31,572	32,352	32,352	35,138	37,138	39,138	41,138	43,138	45,138	47,138
Wind - Offshore	12	2794	4652	5249	5840	6743	7321	7926	8474	9064	10726	10743	11592	12229	12738	13169	14070	14200	14952	14952	15759	15759	15759	15759	15759	15780

Figure 3.8 **PJM Generation with the EPA CAA Section 111 Update, Low Fuels, Generation (GWh)**

Generation (GWh)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Battery	-682	-903	-977	-1,035	-1,101	-1,435	-1,532	-1,498	-1,632	-1,719	-2,116	-2,164	-2,164	-2,205	-2,116	-2,040	-1,979	-2,045	-2,073	-2,165	-2,222	-2,198	-2,087	-2,084	-2,062	-2,233
Coal	70,267	77,275	82,213	68,426	56,899	52,502	47,682	32,243	26,013	18,345	8,363	3,554	3,596	3,743												
Combined Cycle	321,351	318,174	325,462	355,109	374,334	396,607	409,519	416,468	444,320	458,536	478,920	509,499	521,646	525,704	521,643	515,309	509,005	508,630	502,683	492,053	488,733	482,218	476,450	468,539	467,637	451,775
Combustion Turbine	25,915	22,348	24,595	17,648	14,164	13,389	12,458	10,383	6,182	5,172	3,516	3,330	3,672	4,407	4,325	2,869	2,510	2,101	2,073	1,500	1,361	854	695	799	455	406
H2 CT																				0	0	0	0	0	0	0
Nuclear	265,511	258,988	236,780	237,972	239,204	219,253	222,202	222,717	204,716	198,999	190,340	176,083	161,112	150,511	147,464	147,827	145,775	136,216	129,567	118,679	104,176	100,051	92,887	88,744	83,349	84,513
Other	22,138	19,581	19,590	17,161	16,614	16,054	13,333	13,436	12,569	12,212	11,892	10,559	10,108	9,842	9,320	8,944	8,613	7,696	7,336	6,919	6,308	5,962	5,268	4,662	4,173	3,485
Solar PV	59,780	71,067	73,372	75,646	78,234	85,813	89,513	100,724	111,026	120,345	124,437	131,861	139,939	150,901	160,244	172,234	183,498	198,467	212,284	229,847	245,806	260,912	277,157	291,243	299,177	311,691
Wind	71,589	71,738	71,940	72,027	71,910	72,091	71,938	77,825	77,628	77,652	77,658	77,931	77,717	77,645	77,611	77,809	77,685	79,915	79,973	87,973	93,387	98,865	104,417	110,366	115,397	120,947
Wind - Offshore	49	10439	17947	20255	22393	25778	27952	30137	32302	34466	40695	41476	44307	46926	48896	50675	53944	54442	56947	57433	60230	60191	60551	60615	60982	61316

Figure 3.9 **PJM Expasion Plan Without the EPA CAA Section 111 Update, Base Fuels, Nameplate Capacity (GW)**

Nameplate Capacity (MW)	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Battery	3,156	3,961	4,347	4,750	5,130	6,586	6,994	7,434	8,475	8,767	10,505	10,493	10,465	10,455	10,105	9,417	9,082	9,449	9,564	9,557	9,550	9,543	9,536	9,126	10,044	11,253
Coal	35,329	29,337	28,891	26,706	22,668	20,385	16,647	12,855	11,794	11,132	9,459	9,296	9,209	9,209	8,941	8,941	7,747	7,167	7,167	7,167	5,831	5,169	3,618	2,968	1,638	288
Combined Cycle	57,238	58,188	58,018	66,178	71,174	73,776	74,880	77,048	79,113	79,995	79,882	80,214	83,155	83,569	83,766	84,130	85,141	85,637	85,750	85,876	86,335	86,551	87,127	87,161	87,410	86,105
Combustion Turbine	24,742	24,665	24,639	24,189	24,114	24,043	23,932	23,932	23,540	23,540	23,540	23,540	23,540	23,527	23,129	22,709	22,239	21,207	20,983	20,983	20,584	20,345	20,202	20,123	18,862	16,152
Nuclear	32,995	31,730	29,531	29,531	29,531	27,578	27,578	27,578	25,007	22,205	23,317	21,268	20,949	20,365	20,365	19,807	19,807	18,570	18,974	17,361	17,864	16,692	15,755	15,755	14,565	14,565
Other	26,609	26,501	27,163	27,646	28,236	27,816	27,118	28,085	28,608	30,003	31,355	32,596	34,218	36,096	38,136	40,198	42,289	44,482	46,860	49,276	51,880	54,878	57,632	60,326	62,977	65,460
Solar PV	34,611	40,448	41,604	42,776	44,311	48,397	50,663	55,735	63,435	70,942	76,614	82,057	90,522	100,134	108,384	117,169	124,924	134,362	142,583	148,860	157,266	163,432	170,800	179,662	188,662	197,450
Wind	29,571	29,571	29,571	29,571	29,571	31,483	33,483	35,483	37,483	39,483	41,483	43,483	45,483	47,483	47,671	47,671	47,671	48,442	48,442	48,451	48,718	49,873	54,045	57,514	59,726	62,291
Wind - Offshore	12	2,883	4,741	5,338	5,929	6,798	7,376	7,981	8,529	9,119	10,781	10,798	10,926	11,565	11,565	11,965	12,659	13,062	14,018	16,018	22,018	27,811	32,038	34,438	40,454	46,215

Figure 3.10 **PJM Generation Without the EPA CAA Section 111 Update, Base Fuels, Generation (GWh)**

Generation (GWh)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Battery	-677	-896	-966	-1,023	-1,088	-1,429	-1,529	-1,660	-1,867	-1,985	-2,380	-2,351	-2,360	-2,363	-2,288	-2,127	-2,029	-2,158	-2,169	-2,175	-2,231	-2,266	-2,296	-2,226	-2,473	-2,812
Coal	88,821	90,470	90,606	73,731	59,261	53,897	47,186	38,422	37,409	32,913	31,010	30,018	29,409	29,447	28,354	29,752	24,352	22,587	21,707	21,084	16,266	13,931	10,202	8,302	4,353	697
Combined Cycle	311,343	311,028	321,845	354,981	374,839	390,752	397,725	407,444	417,793	420,856	408,051	414,701	414,425	405,371	395,742	383,669	379,306	372,950	365,821	350,127	339,133	322,824	306,807	293,215	276,606	253,855
Combustion Turbine	19,403	16,883	20,224	12,375	9,396	9,228	8,279	5,546	3,676	3,126	2,105	1,967	1,358	1,201	1,123	655	673	534	536	421	406	332	298	323	161	201
Nuclear	265,511	258,988	236,780	237,972	239,204	219,253	222,202	222,717	198,707	188,262	189,046	181,197	171,252	165,800	162,757	163,847	161,748	157,335	152,651	155,343	144,697	140,248	132,539	127,747	121,677	117,502
Other	20,331	18,745	19,131	16,529	15,997	15,550	13,156	12,413	11,927	11,597	11,340	10,044	9,734	9,263	8,605	8,100	7,609	6,740	6,280	5,600	4,794	3,947	2,894	1,543	498	-878
Solar PV	59,782	70,980	73,282	75,562	78,283	85,893	90,215	99,756	113,739	127,232	137,832	148,512	163,152	180,298	195,262	210,966	224,565	241,234	255,231	266,519	279,062	288,119	299,182	312,446	322,353	332,508
Wind	71,531	71,557	71,802	71,926	71,801	77,364	82,806	88,675	94,096	99,730	105,265	111,318	116,614	121,850	122,265	122,529	122,259	124,345	124,467	124,378	124,625	127,354	138,656	148,225	152,857	159,379
Wind - Offshore	49	10,766	18,279	20,586	22,722	25,986	28,160	30,344	32,510	34,671	40,902	41,715	41,848	44,458	44,492	46,120	48,582	50,103	53,342	61,331	83,531	105,146	120,965	129,986	152,408	174,017

Figure 3.11 **PJM Expasion Plan Without the EPA CAA Section 111 Update,High Fuels, Nameplate Capacity (GW)**

Nameplate Capacity (MW)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Battery	3,147	3,902	4,289	4,692	5,072	6,528	6,936	7,377	8,461	8,432	10,172	10,837	11,482	12,141	11,791	12,319	13,804	15,251	15,215	16,733	17,452	18,631	20,220	20,287	21,412	23,272
Coal	35,495	30,404	29,958	27,773	23,735	21,362	19,085	19,085	19,085	19,085	17,149	15,968	15,968	15,968	15,968	15,414	11,434	10,264	10,264	10,264	10,264	8,899	8,099	6,799	5,469	4,119
Combined Cycle	57,238	57,099	56,929	60,220	61,584	62,948	62,519	59,928	56,388	52,177	49,665	49,353	50,635	50,814	50,814	50,937	52,604	54,314	54,314	54,349	54,349	54,950	54,950	54,950	54,925	53,756
Combustion Turbine	24,742	24,608	24,582	24,132	24,057	23,986	23,270	22,928	22,781	22,781	22,465	22,465	22,465	22,452	22,120	21,784	21,629	20,744	20,667	20,667	20,579	20,340	20,197	20,118	18,857	16,147
Nuclear	32,995	31,730	29,970	29,970	29,970	28,726	27,578	27,578	30,718	29,578	29,603	27,268	26,356	25,165	25,165	24,007	24,007	21,531	21,531	17,864	17,864	16,692	15,755	15,755	14,565	14,565
Other	26,423	26,501	26,616	27,099	27,689	26,389	27,117	28,084	28,607	30,001	31,353	32,594	34,216	36,094	38,134	40,196	42,288	44,481	46,860	49,276	51,880	54,878	57,632	60,326	62,977	65,460
Solar PV	34,610	42,326	48,069	55,185	61,632	69,147	78,869	88,539	98,162	104,296	108,787	116,471	125,952	135,388	141,096	149,910	157,429	166,706	174,843	184,009	191,126	198,254	205,855	214,186	220,399	227,484
Wind	29,572	33,572	37,572	39,572	41,572	43,572	45,572	47,572	49,572	51,572	51,672	53,672	55,672	56,572	56,572	58,191	59,655	62,191	62,449	65,359	66,292	67,890	69,905	71,191	73,191	74,806
Wind - Offshore	12	8,012	14,835	18,835	20,835	22,760	22,760	24,760	25,722	25,836	29,244	31,261	35,205	38,145	40,145	43,320	45,522	47,522	49,261	52,863	54,493	57,342	58,307	60,846	62,127	64,259

Figure 3.12 **PJM Generation Without the EPA CAA Section 111 Update, High Fuels, Generation (GWh)**

Generation (GWh)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Battery	-669	-870	-970	-1,090	-1,200	-1,578	-1,729	-1,895	-2,260	-2,268	-2,707	-2,807	-2,972	-3,083	-2,999	-3,157	-3,531	-3,869	-3,887	-4,253	-4,447	-4,731	-5,034	-5,162	-5,358	-5,703
Coal	141,065	135,782	132,356	121,284	108,458	90,259	82,846	81,124	78,234	75,722	72,088	66,458	65,641	63,243	64,583	61,922	44,735	38,367	37,770	37,992	35,777	32,076	30,068	24,580	19,029	14,862
Combined Cycle	270,514	240,383	223,887	216,666	215,020	227,090	226,417	212,401	178,430	165,889	162,243	167,138	161,359	157,028	147,860	139,263	144,376	148,832	146,736	137,234	140,630	137,023	133,365	130,803	129,849	123,407
Combustion Turbine	4,391	2,874	2,548	1,558	1,205	1,291	1,873	1,557	1,058	1,339	1,211	1,326	1,274	1,025	875	790	770	592	673	508	617	591	529	542	663	492
Nuclear	265,511	258,988	240,382	241,670	242,770	228,987	222,202	222,717	246,740	250,553	242,220	232,273	217,176	206,583	203,533	199,631	197,426	182,491	169,530	152,547	137,612	132,321	124,854	119,757	113,985	110,051
Other	17,218	16,400	15,821	14,450	14,139	13,848	12,414	11,495	10,607	9,989	9,585	8,283	7,714	7,325	6,650	5,893	5,544	4,450	3,875	2,923	2,476	1,633	816	-477	-1,044	-1,960
Solar PV	59,799	74,453	85,235	98,254	109,716	123,412	140,474	157,211	172,825	182,378	190,164	204,312	217,992	232,636	240,854	251,875	262,156	274,804	288,109	301,997	312,710	321,490	332,057	341,582	348,367	357,267
Wind	70,688	81,950	93,136	98,804	103,949	109,649	115,039	120,700	125,121	129,328	129,549	135,579	140,381	142,655	142,552	146,853	150,958	157,397	159,459	167,659	169,722	174,009	179,522	183,130	187,026	190,683
Wind - Offshore	49	29,916	56,092	71,243	78,484	85,579	85,613	92,758	96,383	96,911	109,803	117,302	131,075	143,314	151,786	164,124	172,296	180,566	186,420	201,553	207,772	218,952	223,642	232,746	238,740	248,016

Figure 3.13 **PJM Expasion Plan Without the EPA CAA Section 111 Update, Low Fuels, Nameplate Capacity (GW)**

Nameplate Capacity (MW)	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
Battery	3,179	3,984	4,369	4,772	5,152	6,608	7,015	7,456	8,496	8,777	10,513	10,503	10,475	10,464	10,092	9,726	9,578	9,704	9,697	9,873	9,865	9,857	9,849	9,329	9,202	9,921
Coal	34,981	29,338	28,892	26,707	22,669	21,219	17,482	13,635	11,630	9,180	7,585	7,422	7,311	4,598	2,643	2,343	580									
Combined Cycle	57,238	58,188	58,018	66,179	70,322	73,199	74,552	77,852	81,178	85,640	88,260	90,347	94,602	98,036	98,150	98,189	99,019	99,132	99,174	99,174	98,952	96,018	94,976	94,748	94,723	92,430
Combustion Turbine	24,742	24,665	24,639	24,189	24,114	24,043	23,932	23,932	23,875	23,875	23,875	23,875	23,875	23,862	23,402	22,904	22,239	21,207	20,983	20,983	20,584	20,345	20,202	20,123	18,862	16,152
Nuclear	32,995	31,730	29,531	29,531	29,531	27,578	27,578	27,578	25,007	21,861	21,861	18,868	17,956	17,365	19,165	19,077	19,207	17,331	17,331	14,340	15,596	16,692	15,755	15,755	14,565	14,565
Other	26,999	26,501	27,163	27,646	28,236	27,816	27,118	28,085	28,608	30,003	31,355	32,596	34,218	36,096	38,136	40,198	42,289	44,482	46,860	49,276	51,880	54,878	57,632	60,326	62,977	65,460
Solar PV	34,610	40,508	41,664	42,837	44,301	48,371	50,487	52,806	59,890	66,276	71,496	76,164	82,009	88,654	95,702	104,749	114,195	123,687	133,130	142,506	150,127	157,290	166,336	174,862	183,889	192,699
Wind	29,572	29,572	29,572	29,572	29,572	29,572	29,572	29,572	29,572	29,572	29,572	29,572	30,055	32,607	34,607	36,607	38,607	41,432	43,432	45,432	47,432	49,432	50,854	50,854	52,854	58,854
Wind - Offshore	12	2,789	4,647	5,244	5,835	6,801	7,379	7,984	8,532	9,122	10,784	10,801	10,817	11,058	11,058	11,058	11,491	11,491	12,404	13,481	15,523	21,523	27,523	30,764	38,006	46,006

Figure 3.14 **PJM Generation Without the EPA CAA Section 111 Update, Low Fuels, Generation (GWh)**

Generation (GWh)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Battery	-682	-902	-977	-1,044	-1,108	-1,433	-1,539	-1,652	-1,852	-1,969	-2,397	-2,377	-2,376	-2,363	-2,245	-2,181	-2,151	-2,222	-2,195	-2,250	-2,284	-2,344	-2,382	-2,277	-2,286	-2,613
Coal	70,345	77,320	82,229	65,857	54,608	51,099	49,004	37,178	32,495	19,332	15,798	14,288	13,353	7,811	5,295	4,648	502									
Combined Cycle	321,514	318,266	325,517	360,028	375,215	394,407	403,388	427,127	447,056	472,112	479,014	501,008	515,094	518,951	495,582	477,203	464,671	458,483	446,425	432,361	418,729	380,451	357,888	346,886	323,060	285,978
Combustion Turbine	25,935	22,378	24,592	16,096	12,632	12,194	10,845	7,858	5,968	5,174	3,842	3,934	3,000	2,439	1,546	787	752	712	620	707	606	351	319	315	156	237
Nuclear	265,511	258,988	236,780	237,972	239,204	219,253	222,202	222,717	198,707	185,343	176,684	160,748	145,817	140,314	152,563	157,623	156,653	146,807	138,692	129,652	125,782	141,013	133,887	129,500	123,101	117,920
Other	22,145	19,591	19,598	16,981	16,406	15,908	13,205	12,499	11,920	11,556	11,251	9,989	9,726	9,310	8,836	8,249	7,788	6,905	6,402	5,797	4,952	4,051	2,952	1,764	324	-1,502
Solar PV	59,780	71,085	73,389	75,661	78,253	85,832	89,874	94,345	107,224	118,776	128,611	137,892	148,036	160,179	173,200	189,545	206,447	223,319	239,740	256,817	269,173	280,151	293,940	307,259	317,125	326,435
Wind	71,580	71,723	71,929	72,005	71,952	72,115	72,037	72,204	72,075	72,096	72,098	72,328	73,581	80,727	86,302	92,026	97,357	105,142	110,874	116,372	121,680	126,643	130,348	130,502	134,293	149,438
Wind - Offshore	49	10,417	17,930	20,237	22,374	25,996	28,170	30,353	32,518	34,683	40,910	41,693	41,411	42,535	42,584	42,760	44,281	44,260	47,425	51,875	59,294	81,714	104,053	116,073	142,996	172,322

Figure 3.15 PJM Power Prices with the EPA CAA Section 111 Update - Average of Power Prices ($/MWh)

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
High Fuels	$53.69	$58.05	$57.85	$57.52	$57.06	$58.29	$59.30	$61.24	$57.04	$56.48	$58.67	$60.42	$60.65	$61.13	$62.52	$61.80	$63.30	$63.03	$65.02	$66.98	$67.55	$68.85	$71.66	$71.87	$74.22	$76.41
Base Fuels	$43.16	$45.34	$45.95	$44.28	$43.59	$44.58	$45.28	$48.95	$47.36	$46.09	$45.98	$46.72	$48.00	$49.69	$49.86	$51.23	$52.99	$53.49	$54.33	$55.94	$56.93	$58.15	$60.39	$61.70	$63.46	$66.00
Low Fuels	$38.91	$40.97	$41.58	$40.41	$39.83	$40.88	$41.90	$45.95	$44.33	$42.23	$41.50	$40.23	$39.97	$41.36	$42.70	$43.00	$44.30	$45.04	$46.15	$47.34	$47.95	$48.56	$50.38	$52.17	$53.38	$54.31

Figure 3.16 PJM Power Prices Without the EPA CAA Section 111 Update - Average of Power Prices ($/MWh)

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
High Fuels	$53.72	$58.08	$57.87	$57.38	$56.52	$56.32	$57.04	$58.31	$56.01	$56.49	$58.46	$59.89	$59.97	$60.34	$62.11	$61.24	$62.16	$62.11	$63.09	$64.45	$65.76	$66.51	$68.46	$69.35	$71.61	$72.32
Base Fuels	$43.17	$45.36	$45.96	$44.79	$43.68	$44.23	$44.89	$45.29	$46.35	$46.77	$47.86	$48.73	$49.14	$50.35	$51.05	$51.77	$53.43	$53.63	$54.37	$54.72	$55.27	$55.72	$56.75	$57.00	$57.02	$58.51
Low Fuels	$38.92	$40.99	$41.58	$40.24	$39.59	$40.51	$41.23	$42.35	$43.23	$41.63	$41.17	$41.73	$41.49	$40.76	$41.31	$41.05	$41.49	$41.25	$41.73	$42.41	$41.45	$40.16	$41.19	$41.97	$41.90	$41.71

Figure 3.17 **Peak Load Growth: Low, Base, High Case**

Annualized Growth Rate, 2023-2043

Low	0.1%
Base	0.6%
High	1.2%

Figure 4.1 **Inflated Direct Cost of Nuclear Small Modular Reactors - Confidential**

Inflated Direct Cost ($/kW)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
SMR	$18,782	$17,326	$15,983	$14,744	$13,602	$13,245	$12,897	$12,559	$12,229	$11,908	$11,900	$11,893	$11,886	$11,878	$11,871	$12,015

Figure 4.2 **Inflated Direct Cost of Other Resources - Confidential**

Inflated Direct Cost ($/kW)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Combined Cycle 2x1	$1,276	$1,275	$1,291	$1,312	$1,331	$1,351	$1,370	$1,395	$1,420	$1,445	$1,470	$1,494	$1,519	$1,545	$1,570	$1,597
Combined Cycle 1x1	$1,674	$1,673	$1,694	$1,721	$1,746	$1,772	$1,798	$1,830	$1,864	$1,896	$1,929	$1,960	$1,993	$2,027	$2,060	$2,096
Combined Cycle 1x1 w/CCS	$3,032	$3,002	$2,987	$3,005	$3,041	$3,056	$3,069	$3,089	$3,111	$3,130	$3,148	$3,164	$3,181	$3,198	$3,214	$3,233
Simple Cycle Gas Turbine	$1,272	$1,268	$1,279	$1,296	$1,309	$1,324	$1,338	$1,360	$1,384	$1,406	$1,429	$1,451	$1,473	$1,497	$1,520	$1,544
Wind	$2,186	$2,198	$2,210	$2,220	$2,228	$2,235	$2,262	$2,288	$2,332	$2,375	$2,418	$2,460	$2,504	$2,549	$2,594	$2,641
Solar PV, Single Axis Tracking	$2,051	$2,009	$1,987	$1,957	$1,938	$1,904	$1,872	$1,854	$1,852	$1,874	$1,897	$1,918	$1,940	$1,963	$1,985	$2,008
Batther Storage, 4-hr Li-ion	$2,746	$2,640	$2,534	$2,425	$2,359	$2,293	$2,227	$2,162	$2,181	$2,199	$2,215	$2,229	$2,244	$2,259	$2,273	$2,288

Figure 6.1: PVRR ($000) – Optimized With EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
111 Scenario with DFO Conversion 2030	$428,770	$682,472	$836,887	$1,016,609	$1,161,348	$1,382,253	$1,525,929	$1,671,248	$1,819,598	$1,941,789	$2,098,688	$2,210,290	$2,315,144	$2,416,049	$2,513,104	$2,607,470
111 Scenario 100% Natural Gas Conversion	$434,243	$686,442	$842,092	$1,012,347	$1,151,343	$1,414,565	$1,568,787	$1,723,904	$1,863,774	$1,991,231	$2,111,164	$2,226,133	$2,333,665	$2,437,780	$2,536,799	$2,629,362
111 Scenario East Bend 2 Retires 2032	$437,159	$692,098	$844,891	$999,793	$1,143,210	$1,274,498	$1,394,261	$1,564,294	$1,716,882	$1,857,487	$1,998,876	$2,133,209	$2,260,387	$2,384,423	$2,503,446	$2,617,958

Figure 6.2: PVRR ($000) – Alternate With EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Alternate - East Bend DFO Conversion with CC Replacement by 2039	$429,597	$685,284	$839,140	$1,013,094	$1,161,784	$1,380,732	$1,525,743	$1,670,723	$1,814,728	$1,937,920	$2,094,268	$2,204,997	$2,309,435	$2,410,783	$2,541,262	$2,666,800
Alternate - East Bend DFO Conversion with SMR Replacement by 2039	$431,005	$688,116	$845,384	$1,023,695	$1,168,541	$1,389,173	$1,535,627	$1,679,261	$1,824,699	$1,946,541	$2,103,150	$2,213,904	$2,318,544	$2,419,059	$2,551,898	$2,677,079
Alternate - East Bend DFO Conversion with CC w/CCS Replacement by 2036	$430,913	$686,586	$843,779	$1,023,251	$1,167,305	$1,388,898	$1,529,254	$1,670,953	$1,799,626	$1,919,418	$2,032,707	$2,139,326	$2,241,513	$2,340,215	$2,436,857	$2,531,656
Preferred - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewable	$428,110	$682,650	$839,986	$1,019,377	$1,165,073	$1,386,098	$1,533,601	$1,677,274	$1,823,026	$1,944,357	$2,099,035	$2,208,625	$2,311,145	$2,410,064	$2,542,056	$2,669,028
Alternate - East Bend Retirement by 2032 with CC Replacement	$438,892	$694,181	$844,862	$998,123	$1,139,161	$1,272,402	$1,389,643	$1,577,035	$1,750,388	$1,912,327	$2,069,209	$2,217,898	$2,360,159	$2,497,536	$2,627,770	$2,753,472

Figure 6.3: PVRR ($000)– Optimized Without EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Optimized - East Bend DFO Conversion by 2030	$437,832	$692,635	$846,287	$1,033,048	$1,178,092	$1,390,615	$1,527,912	$1,656,593	$1,801,383	$1,910,102	$2,057,304	$2,158,636	$2,254,561	$2,346,055	$2,443,731	$2,538,210
Optimized - East Bend Natural Gas Conversion by 2030	$423,507	$665,697	$820,149	$986,935	$1,122,104	$1,387,964	$1,543,996	$1,694,832	$1,832,129	$1,962,336	$2,086,597	$2,205,584	$2,315,514	$2,420,957	$2,521,732	$2,615,565
Optimized - East Bend Retirement by 2036	$444,428	$700,519	$856,741	$1,042,448	$1,190,357	$1,326,973	$1,447,553	$1,563,267	$1,675,638	$1,776,696	$1,871,601	$1,978,480	$2,081,565	$2,180,987	$2,277,358	$2,372,750

Figure 6.4: PVRR ($000) – Alternate Without EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Alternate - East Bend DFO Conversion with CC Replacement by 2039	$434,568	$690,357	$845,817	$1,019,530	$1,178,911	$1,388,786	$1,524,869	$1,656,635	$1,793,672	$1,913,857	$2,059,268	$2,161,094	$2,256,106	$2,346,178	$2,471,064	$2,592,348
Alternate - East Bend DFO Conversion with SMR Replacement by 2039	$434,166	$689,714	$843,972	$1,031,473	$1,175,554	$1,387,527	$1,522,284	$1,655,529	$1,801,789	$1,910,862	$2,058,724	$2,160,923	$2,256,387	$2,347,799	$2,481,513	$2,607,257
Alternate - East Bend DFO Conversion with CC Replacement by 2036	$434,699	$687,874	$842,817	$1,028,640	$1,174,975	$1,387,606	$1,518,308	$1,647,118	$1,768,324	$1,877,040	$1,979,252	$2,120,055	$2,255,326	$2,385,881	$2,509,838	$2,631,238
Alternate - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewable	$434,178	$689,291	$844,123	$1,030,013	$1,175,838	$1,390,056	$1,526,266	$1,662,002	$1,806,197	$1,915,239	$2,060,780	$2,161,748	$2,254,842	$2,344,572	$2,469,879	$2,591,630
Preferred - East Bend Retirement by 2036 and Accelerated Renewables	$441,203	$696,345	$852,149	$1,036,663	$1,182,363	$1,320,034	$1,441,682	$1,557,686	$1,669,158	$1,768,810	$1,862,498	$2,001,995	$2,136,360	$2,266,078	$2,390,562	$2,512,128
Alternate - East Bend Retirement by 2042	$439,817	$696,333	$853,258	$1,036,792	$1,184,576	$1,322,440	$1,450,052	$1,568,808	$1,705,769	$1,813,735	$1,953,645	$2,099,734	$2,188,581	$2,280,273	$2,363,210	$2,442,222

Figure 6.5: CO2 Reduction – Optimized with EPA CAA Section 111 Update

CO2 Reduction From 2005 (%)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Optimized - East Bend DFO Conversion by 2030	31.0%	20.0%	12.0%	15.0%	18.0%	35.0%	38.0%	31.0%	41.0%	48.0%	60.0%	63.0%	61.0%	59.0%	96.0%	96.0%
Optimized - East Bend Natural Gas Conversion by 2030	33.2%	18.3%	11.1%	14.9%	18.2%	51.5%	53.7%	51.8%	70.9%	75.8%	79.5%	80.1%	80.8%	80.4%	82.2%	84.4%
Optimized - East Bend Retirement by 2032	30.4%	18.6%	11.2%	15.1%	17.3%	15.0%	17.0%	69.8%	73.7%	76.1%	79.9%	79.6%	81.3%	81.7%	84.1%	86.0%

Figure 6.6: CO2 Reduction – Alternate with EPA CAA Section 111 Update

CO2 Reduction From 2005 (%)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Alternate - East Bend DFO Conversion with CC Replacement by 2039	33.8%	20.8%	12.0%	16.0%	18.4%	34.8%	37.8%	30.8%	40.0%	48.1%	62.2%	57.4%	58.5%	63.3%	74.2%	74.3%
Alternate - East Bend DFO Conversion with SMR Replacement by 2039	34.8%	21.0%	11.6%	15.4%	18.2%	36.0%	37.0%	31.3%	39.2%	48.2%	60.1%	58.5%	62.1%	62.8%	91.6%	92.7%
Alternate - East Bend DFO Conversion with CC w/CCS Replacement by 2036	33.8%	20.2%	12.2%	15.5%	17.7%	35.2%	37.1%	31.0%	41.2%	50.3%	60.2%	96.2%	96.1%	96.1%	96.2%	96.3%
Preferred - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewable	30.4%	19.8%	11.4%	15.5%	18.6%	35.3%	38.3%	31.4%	40.5%	48.6%	60.1%	63.5%	63.4%	62.1%	74.4%	74.6%
Alternate - East Bend Retirement by 2032 with CC Replacement	30.8%	18.3%	11.2%	15.8%	17.8%	16.2%	17.8%	68.9%	72.1%	72.6%	72.4%	72.8%	73.3%	73.5%	74.1%	74.3%

Figure 6.7: CO2 Reduction – Optimized without EPA CAA Section 111 Update

CO2 Reduction From 2005 (%)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Optimized - East Bend DFO Conversion by 2030	31.0%	20.0%	12.0%	15.0%	19.0%	16.0%	17.0%	16.0%	19.0%	19.0%	21.0%	20.0%	22.0%	21.0%	96.0%	96.0%
Optimized - East Bend Natural Gas Conversion by 2030	24.9%	14.9%	11.4%	13.8%	16.5%	54.9%	59.2%	67.1%	74.5%	77.9%	79.5%	80.5%	80.9%	82.6%	82.9%	84.2%
Optimized - East Bend Retirement by 2036	32.0%	19.0%	11.0%	15.0%	18.0%	16.0%	17.0%	16.0%	19.0%	19.0%	19.0%	96.0%	96.0%	96.0%	96.0%	96.0%

Figure 6.8: CO2 Reduction – Alternate without EPA CAA Section 111 Update

CO2 Reduction From 2005 (%)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Alternate - East Bend DFO Conversion with CC Replacement by 2039	34.6%	21.3%	11.9%	14.7%	19.0%	16.5%	16.8%	16.2%	18.2%	18.5%	20.0%	19.2%	21.5%	20.3%	61.2%	62.2%
Alternate - East Bend DFO Conversion with SMR Replacement by 2039	34.4%	20.7%	11.5%	15.2%	18.1%	16.5%	17.1%	17.0%	18.7%	19.2%	19.9%	20.2%	22.3%	21.6%	90.8%	92.3%
Alternate - East Bend DFO Conversion with CC Replacement by 2036	34.6%	20.7%	11.6%	15.6%	18.5%	16.8%	17.1%	16.4%	18.1%	18.8%	20.4%	60.0%	61.0%	61.2%	61.2%	62.2%
Alternate - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewable	33.1%	20.1%	11.3%	15.9%	18.3%	17.0%	16.9%	16.6%	19.6%	21.2%	20.4%	21.0%	22.5%	21.9%	61.9%	63.0%
Preferred - East Bend Retirement by 2036 and Accelerated Renewables	32.3%	18.5%	12.6%	14.5%	17.9%	16.4%	18.9%	17.6%	18.8%	20.2%	21.0%	60.5%	61.6%	61.8%	61.9%	63.0%
Alternate - East Bend Retirement by 2042	30.5%	19.0%	11.2%	14.9%	17.9%	16.4%	17.4%	16.2%	18.2%	19.6%	20.4%	20.5%	22.0%	20.0%	25.1%	23.5%

Figure 6.9: Market Purchases – Optimized with EPA CAA Section 111 Update

Market Purchases (%) of Total Load	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Optimized - East Bend DFO Conversion by 2030	53.0%	41.0%	30.0%	34.0%	35.0%	39.0%	44.0%	36.0%	46.0%	55.0%	71.0%	74.0%	72.0%	70.0%	11.0%	12.0%
Optimized - East Bend Natural Gas Conversion by 2030	53.3%	37.6%	32.0%	33.7%	35.6%	41.5%	47.9%	44.8%	80.0%	88.5%	95.8%	97.5%	95.7%	94.5%	96.0%	86.9%
Optimized - East Bend Retirement by 2032	49.2%	36.9%	30.7%	33.9%	33.5%	34.3%	34.8%	57.5%	56.4%	57.1%	67.6%	67.2%	62.7%	61.3%	62.6%	66.1%

Figure 6.10: Market Purchases – Alternate with EPA CAA Section 111 Update

Market Purchases (%) of Total Load	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Alternate - East Bend DFO Conversion with CC Replacement by 2039	56.3%	41.1%	32.4%	34.0%	35.9%	40.0%	42.8%	35.2%	43.1%	53.9%	74.4%	67.4%	69.2%	75.7%	46.2%	45.0%
Alternate - East Bend DFO Conversion with SMR Replacement by 2039	54.6%	41.0%	32.7%	34.4%	34.7%	41.4%	41.3%	34.2%	42.0%	54.2%	70.9%	68.8%	74.3%	75.0%	45.0%	41.1%
Alternate - East Bend DFO Conversion with CC w/CCS Replacement by 2036	53.4%	40.0%	30.8%	34.6%	35.3%	40.0%	42.4%	34.7%	45.9%	56.9%	71.1%	9.0%	9.8%	10.0%	10.1%	9.6%
Preferred - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewable	53.5%	39.1%	31.0%	34.4%	34.0%	38.4%	41.0%	33.8%	38.7%	48.6%	61.2%	65.7%	62.7%	61.7%	44.8%	44.6%
Alternate - East Bend Retirement by 2032 with CC Replacement	48.7%	36.8%	31.2%	35.3%	34.3%	34.2%	36.0%	51.9%	54.3%	55.1%	51.1%	47.9%	47.4%	47.8%	49.0%	45.2%

Figure 6.11: Market Purchases – Optimized without EPA CAA Section 111 Update

Market Purchases (%) of Total Load	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Optimized - East Bend DFO Conversion by 2030	52.0%	40.0%	32.0%	35.0%	36.0%	35.0%	36.0%	36.0%	36.0%	37.0%	38.0%	38.0%	40.0%	39.0%	10.0%	10.0%
Optimized - East Bend Natural Gas Conversion by 2030	45.6%	34.2%	30.6%	33.7%	34.2%	49.9%	59.9%	75.0%	88.4%	94.4%	96.4%	95.2%	95.4%	94.7%	91.4%	87.1%
Optimized - East Bend Retirement by 2036	51.0%	36.0%	32.0%	33.0%	35.0%	34.0%	35.0%	35.0%	37.0%	36.0%	36.0%	10.0%	10.0%	11.0%	11.0%	12.0%

Figure 6.12: Market Purchases – Alternate without EPA CAA Section 111 Update

Market Purchases (%) of Total Load	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Alternate - East Bend DFO Conversion with CC Replacement by 2039	55.6%	40.5%	31.3%	33.5%	36.5%	36.3%	35.3%	35.1%	36.3%	36.4%	37.7%	37.3%	39.4%	38.2%	9.2%	12.7%
Alternate - East Bend DFO Conversion with SMR Replacement by 2039	56.1%	41.4%	30.2%	33.9%	35.6%	35.1%	35.9%	35.4%	36.7%	36.6%	37.5%	38.4%	40.3%	39.7%	43.2%	40.5%
Alternate - East Bend DFO Conversion with CC Replacement by 2036	55.4%	41.1%	30.7%	34.3%	36.3%	35.0%	35.9%	35.3%	36.6%	35.4%	38.2%	5.6%	7.4%	8.0%	9.2%	12.8%
Alternate - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewable	54.5%	39.4%	30.6%	35.1%	34.4%	34.3%	33.6%	32.9%	33.3%	34.9%	32.9%	33.2%	32.5%	32.8%	6.2%	8.8%
Preferred - East Bend Retirement by 2036 and Accelerated Renewables	51.3%	36.6%	31.5%	33.1%	32.4%	31.6%	34.3%	32.8%	32.0%	33.1%	31.4%	4.3%	5.3%	5.7%	6.0%	8.8%
Alternate - East Bend Retirement by 2042	49.2%	36.1%	31.2%	34.9%	34.9%	33.9%	34.7%	34.3%	34.3%	36.5%	36.1%	37.9%	38.4%	36.4%	41.2%	40.2%

Figure 6.13: : PVRR ($000)– Sensitivities With EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Preferred - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables	$428,110	$682,650	$839,986	$1,019,377	$1,165,073	$1,386,098	$1,533,601	$1,677,274	$1,823,026	$1,944,357	$2,099,035	$2,208,625	$2,311,145	$2,410,064	$2,542,056	$2,669,028
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - High Load	$445,300	$709,416	$876,526	$1,062,546	$1,216,845	$1,444,730	$1,597,795	$1,751,830	$1,904,389	$2,031,866	$2,197,742	$2,318,331	$2,431,256	$2,543,949	$2,688,970	$2,827,860
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - High Fuels	$446,214	$703,956	$864,547	$1,042,654	$1,190,332	$1,428,194	$1,588,712	$1,746,716	$1,884,970	$2,013,803	$2,174,475	$2,288,719	$2,396,228	$2,499,959	$2,642,826	$2,779,202
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - Low Fuels	$404,310	$651,038	$798,322	$970,910	$1,108,887	$1,320,462	$1,458,676	$1,593,643	$1,735,985	$1,846,740	$1,994,221	$2,097,127	$2,192,930	$2,284,424	$2,409,705	$2,529,474

Figure 6.14: CO2 Reduction – Sensitivities with EPA CAA Section 111 Update

CO2 Reduction From 2005 (%)	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Preferred - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables	30.4%	19.8%	11.4%	15.5%	18.6%	35.3%	38.3%	31.4%	40.5%	48.6%	60.1%	63.5%	63.4%	62.1%	74.4%	74.6%
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - High Load	31.0%	20.0%	10.0%	15.0%	17.0%	34.0%	38.0%	31.0%	41.0%	46.0%	62.0%	58.0%	62.0%	64.0%	73.0%	74.0%
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - High Fuels	39.0%	24.0%	14.0%	17.0%	22.0%	67.0%	65.0%	67.0%	72.0%	75.0%	77.0%	78.0%	77.0%	77.0%	84.0%	84.0%
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - Low Fuels	9.0%	3.0%	-5.0%	2.0%	7.0%	18.0%	21.0%	21.0%	31.0%	32.0%	38.0%	38.0%	40.0%	39.0%	74.0%	74.0%

Figure 6.15: Market Purchases – Sensitivities with EPA CAA Section 111 Update

Market Purchases (%) of Total Load	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Preferred - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables	53.5%	39.1%	31.0%	34.4%	34.0%	38.4%	41.0%	33.8%	38.7%	48.6%	61.2%	65.7%	62.7%	61.7%	44.8%	44.6%
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - High Load	54.0%	41.0%	31.0%	36.0%	35.0%	40.0%	42.0%	34.0%	44.0%	48.0%	67.0%	62.0%	61.0%	65.0%	46.0%	45.0%
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - High Fuels	58.0%	41.0%	33.0%	35.0%	37.0%	80.0%	73.0%	75.0%	80.0%	83.0%	83.0%	85.0%	81.0%	81.0%	81.0%	82.0%
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - Low Fuels	41.0%	31.0%	22.0%	27.0%	26.0%	24.0%	29.0%	27.0%	30.0%	32.0%	37.0%	36.0%	36.0%	34.0%	45.0%	44.0%

SIERRA-DR-01-005

REQUEST:

Please provide the annual revenue requirements and present value revenue requirement (PVRR) for all portfolios and scenarios modeled.

RESPONSE:

Annual revenue requirements and present value revenue requirements (PVRR) for all portfolios and scenarios modeled have been provided in SIERRA-DR-01-005 Attachment.

PERSON RESPONSIBLE: Matthew Kalemba

Figure 6.1: PVRR ($000) – Optimized With EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
111 Scenario with DFO Conversion 2030	$428,770	$682,472	$836,887	$1,016,609	$1,161,348	$1,382,253	$1,525,929	$1,671,248	$1,819,598	$1,941,789	$2,098,688	$2,210,290	$2,315,144	$2,416,049	$2,513,104	$2,607,470
111 Scenario 100% Natural Gas Conversion	$434,243	$686,442	$842,092	$1,012,347	$1,151,343	$1,414,565	$1,568,787	$1,723,904	$1,863,774	$1,991,231	$2,111,164	$2,226,133	$2,333,665	$2,437,780	$2,536,799	$2,629,362
111 Scenario East Bend 2 Retires 2032	$437,159	$692,098	$844,891	$999,793	$1,143,210	$1,274,498	$1,394,261	$1,564,294	$1,716,882	$1,857,487	$1,998,876	$2,133,209	$2,260,387	$2,384,423	$2,503,446	$2,617,958

Figure 6.2: PVRR ($000) – Alternate With EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Alternate - East Bend DFO Conversion with CC Replacement by 2039	$429,597	$685,284	$839,140	$1,013,094	$1,161,784	$1,380,732	$1,525,743	$1,670,723	$1,814,728	$1,937,920	$2,094,268	$2,204,997	$2,309,435	$2,410,783	$2,541,262	$2,666,800
Alternate - East Bend DFO Conversion with SMR Replacement by 2039	$431,005	$688,116	$845,384	$1,023,695	$1,168,541	$1,389,173	$1,535,627	$1,679,261	$1,824,699	$1,946,541	$2,103,150	$2,213,904	$2,318,544	$2,419,059	$2,551,898	$2,677,079
Alternate - East Bend DFO Conversion with CC w/CCS Replacement by 2036	$430,913	$686,586	$843,779	$1,023,251	$1,167,305	$1,388,898	$1,529,254	$1,670,953	$1,799,626	$1,919,418	$2,032,707	$2,139,326	$2,241,513	$2,340,215	$2,436,857	$2,531,656
Preferred - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewable	$428,110	$682,650	$839,986	$1,019,377	$1,165,073	$1,386,098	$1,533,601	$1,677,274	$1,823,026	$1,944,357	$2,099,035	$2,208,625	$2,311,145	$2,410,064	$2,542,056	$2,669,028
Alternate - East Bend Retirement by 2032 with CC Replacement	$438,892	$694,181	$844,862	$998,123	$1,139,161	$1,272,402	$1,389,643	$1,577,035	$1,750,388	$1,912,327	$2,069,209	$2,217,898	$2,360,159	$2,497,536	$2,627,770	$2,753,472

Figure 6.3: PVRR ($000)– Optimized Without EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Optimized - East Bend DFO Conversion by 2030	$437,832	$692,635	$846,287	$1,033,048	$1,178,092	$1,390,615	$1,527,912	$1,656,593	$1,801,383	$1,910,102	$2,057,304	$2,158,636	$2,254,561	$2,346,055	$2,443,731	$2,538,210
Optimized - East Bend Natural Gas Conversion by 2030	$423,507	$665,697	$820,149	$986,935	$1,122,104	$1,387,964	$1,543,996	$1,694,832	$1,832,129	$1,962,336	$2,086,597	$2,205,584	$2,315,514	$2,420,957	$2,521,732	$2,615,565
Optimized - East Bend Retirement by 2036	$444,428	$700,519	$856,741	$1,042,448	$1,190,357	$1,326,973	$1,447,553	$1,563,267	$1,675,638	$1,776,696	$1,871,601	$1,978,480	$2,081,565	$2,180,987	$2,277,358	$2,372,750

Figure 6.4: PVRR ($000) – Alternate Without EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Alternate - East Bend DFO Conversion with CC Replacement by 2039	$434,568	$690,357	$845,817	$1,019,530	$1,178,911	$1,388,786	$1,524,869	$1,656,635	$1,793,672	$1,913,857	$2,059,268	$2,161,094	$2,256,106	$2,346,178	$2,471,064	$2,592,348
Alternate - East Bend DFO Conversion with SMR Replacement by 2039	$434,166	$689,714	$843,972	$1,031,473	$1,175,554	$1,387,527	$1,522,284	$1,655,529	$1,801,789	$1,910,862	$2,058,724	$2,160,923	$2,256,387	$2,347,799	$2,481,513	$2,607,257
Alternate - East Bend DFO Conversion with CC Replacement by 2036	$434,699	$687,874	$842,817	$1,028,640	$1,174,975	$1,387,606	$1,518,308	$1,647,118	$1,768,324	$1,877,040	$1,979,252	$2,120,055	$2,255,326	$2,385,881	$2,509,838	$2,631,238
Alternate - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewable	$434,178	$689,291	$844,123	$1,030,013	$1,175,838	$1,390,056	$1,526,266	$1,662,002	$1,806,197	$1,915,239	$2,060,780	$2,161,748	$2,254,842	$2,344,572	$2,469,879	$2,591,630
Preferred - East Bend Retirement by 2036 and Accelerated Renewables	$441,203	$696,345	$852,149	$1,036,663	$1,182,363	$1,320,034	$1,441,682	$1,557,686	$1,669,158	$1,768,810	$1,862,498	$2,001,995	$2,136,360	$2,266,078	$2,390,562	$2,512,128
Alternate - East Bend Retirement by 2042	$439,817	$696,333	$853,258	$1,036,792	$1,184,576	$1,322,440	$1,450,052	$1,568,808	$1,705,769	$1,813,735	$1,953,645	$2,099,734	$2,188,581	$2,280,273	$2,363,210	$2,442,222

Figure 6.13: : PVRR ($000)– Sensitivities With EPA CAA Section 111 Update

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Preferred - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables	$428,110	$682,650	$839,986	$1,019,377	$1,165,073	$1,386,098	$1,533,601	$1,677,274	$1,823,026	$1,944,357	$2,099,035	$2,208,625	$2,311,145	$2,410,064	$2,542,056	$2,669,028
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - High Load	$445,300	$709,416	$876,526	$1,062,546	$1,216,845	$1,444,730	$1,597,795	$1,751,830	$1,904,389	$2,031,866	$2,197,742	$2,318,331	$2,431,256	$2,543,949	$2,688,970	$2,827,860
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - High Fuels	$446,214	$703,956	$864,547	$1,042,654	$1,190,332	$1,428,194	$1,588,712	$1,746,716	$1,884,970	$2,013,803	$2,174,475	$2,288,719	$2,396,228	$2,499,959	$2,642,826	$2,779,202
Sensitivity - East Bend DFO Conversion with CC Replacement by 2039 and Accelerated Renewables - Low Fuels	$404,310	$651,038	$798,322	$970,910	$1,108,887	$1,320,462	$1,458,676	$1,593,643	$1,735,985	$1,846,740	$1,994,221	$2,097,127	$2,192,930	$2,284,424	$2,409,705	$2,529,474

SIERRA-DR-01-006

REQUEST:

Was any capacity expansion modeling used to determine coal retirement and/or conversion dates in Duke's portfolios?

a. If so, please explain what model was used and how coal retirement and/or conversion dates were determined for Duke's portfolios.

b. If not, please explain how the Company selected coal retirement and/or conversion dates for its resource portfolios.

RESPONSE:

Coal retirement and conversion dates were input into the Encompass Capacity Expansion model for each portfolio evaluated. The EPA CAA Section 111 Update requires that conversion of East Bend to gas cofiring or 100% natural gas conversion take place by 1/1/2030. If gas cofiring or natural gas conversion were not the pathway evaluated, then East Bend must retire by 1/1/2032. As such, those were the dates evaluated in the "with EPA CAA Section 111 Update" portfolios.

In the "Without EPA CAA Section 111 Update" scenario, East Bend was evaluated for retirement in 2035 and 2041. 2035 aligns with previous analysis conducted in the 2021 IRP and previous rate case assumptions, and 2041 is the currently approved depreciation date for East Bend. Additionally, given the requirements of KY SB 4 and SB 349, the 2035 timeline is a relatively conservative assumption for ensuring that the necessary approvals for retiring the asset are received.

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA-DR-01-007

REQUEST:

Did the capacity expansion modeling allow for economic additions of new resources, i.e. not limited to capacity need additions?

a. If not, please explain why not.

RESPONSE: Yes, the capacity expansion model allowed for economic additions of new resource beyond just meeting capacity needs. The model could select resources to reduce the energy and operating costs of the Duke Energy Kentucky system if it found it economic to do so.

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA-DR-01-008

REQUEST:

Did the Company consider retiring its East Bend coal-fired unit by or before 2030?

a. If so, please describe the Company's assessment of this retirement date and provide the supporting analyses and documentation for that assessment.

b. If not, please explain why the Company chose not to assess early retirement by 2030.

RESPONSE: The Company did not consider retiring East Bend by or before 2030 primarily because replacement generation that could meet the requirements of SB4 could not be in place in time. Additionally, the requirements of SB349 to have any retirement decisions reviewed by the newly created commission would make this retirement timeline additionally challenging.

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA-DR-01-009

REQUEST:

Please provide the following for each generating unit (or plant-level if unit-level is unavailable) for all resource portfolios, scenarios, and years modeled, in Excel format with formulas intact:

a. NOx emissions

b. Particulate matter (PM) emissions

c. SO2 emissions

d. CO2 emissions

e. Generation

f. Nameplate capacity

g. PJM accredited capacity

h. PJM energy revenue

i. Variable O&M

j. Fixed O&M

k. Fuel cost

l. Fuel usage (MMBtu

m. Forced outage rate

n. Planned outage rate

o. Equivalent availability factor

p. Heat rate

q. Non-environmental capital spending

r. Environmental capital spending, including corresponding regulation

s. Capital revenue requirements/costs to customers, including any supporting calculations

RESPONSE:

Objection. This request is vague, ambiguous, overly broad unduly burdensome, to the extent it seeks information not maintained by the Company in the ordinary course of business, and requires a calculation or compilation that has not already been performed. Without waiving said objections, and to the extent discoverable, see SIERRA-DR-01-009 Attachments 1 through 20 for Output files for each scenario and descriptions below for each available requested item.

a. Found on the Resource Annual Emissions Tab for each scenario.

b. Not modeled.

c. Found on the Resource Annual Emissions Tab for each scenario.

d. Found on the Resource Annual Emissions Tab for each scenario.

e. Found on the Resource Annual Tab for each scenario.

f. Found on the Resource Annual Tab for each scenario.

g. Found on the Resource Annual Tab for each scenario in Firm Capacity Column.

h. Found on Area Annual as Sales, not available on unit by unit basis.

i. Found on Resource Annual Tab.

j. Found on Resource Annual Tab.

k. Found on Resource Annual Tab.

l. Found on Resource Annual Tab.

m. Please see SIERRA-DR-01-003 for inputs as this is included.

n. Planned Outage rate can be derived from the following formula:

1- (Availability %) - (Forced Outage Rate %) = Planned Outage Rate

o. Found on Resource Annual Tab.

p. Found on Resource Annual Tab.

q. Found on Resource Capital Tab (shown in $000).

r. Not available.

s. Not available.

PERSON RESPONSIBLE: As to objection, Legal
As to response, Tyler Cook

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2024	807.65	807.65	1,182.93		9.95	60.45	888.04	4,288.50	1,148.95	1,550.85	3,878.60	150,880.15	30,667.51	38.90	40.70	150,890.37			58,401.67	51,441.08	39.39	48.49	31.44	0.08	0.06	0.08	0.00	0.00	0.00	0.00				807.65	803.47	803.47									17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2025	809.57	809.57	1,183.00		9.67	60.41	887.86	4,284.00	489.78	2,258.95	2,516.82	114,921.58	13,244.24	45.66	44.42	114,921.59			26,344.86	88,463.18	43.15	52.01	35.43	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.57	808.57	808.57									17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2026	812.20	812.20	1,183.06		9.30	60.30	887.77	4,280.62	596.42	1,748.47	3,138.57	126,363.99	15,867.20	40.26	46.59	126,362.65			31,059.37	71,224.21	41.32	53.79	37.89	0.55	0.55	0.55	0.00	0.00	0.00	0.00				812.20	808.47	808.47									17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	690.57	1,298.62	3,676.68	119,457.08	58,053.82	32.48	47.10	119,457.11			31,715.46	56,065.16	45.01	54.50	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.22	808.22									17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2028	812.16	812.16	1,183.19		9.34	60.23	887.58	4,285.49	573.54	1,500.12	3,355.91	114,979.09	38,443.11	34.26	44.67	114,979.11			24,650.39	62,496.63	43.58	51.82	36.39	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44									17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2029	812.17	812.17	1,183.19		9.28	60.19	887.58	4,282.49	573.54	1,500.12	3,355.91	114,979.09	38,443.11	34.26	44.67	114,979.11			24,650.39	62,496.63	43.58	51.82	36.39	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44									17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	517.96	1,733.31	3,160.24	129,334.91	24,310.76	40.93	45.66	129,334.94			25,112.99	70,602.26	44.54	52.67	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00				821.92	820.92	820.92									17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2031	827.36	827.36	1,183.19		7.72	60.50	887.49	4,394.05	525.11	1,709.75	3,180.62	130,818.48	25,945.43	41.08	46.81	130,818.48			26,256.17	70,529.97	45.86	54.47	38.51	0.37	0.37	0.37	0.00	0.00	0.00	0.00				827.36	821.49	821.49	219.63								17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2032	833.22	833.22	1,183.19		6.96	60.50	887.39	4,489.46	475.14	1,578.73	3,073.24	126,224.17	31,945.48	41.05	49.81	126,224.17			25,456.27	71,529.97	47.36	54.47	44.15	0.23	0.23	0.23	0.00	0.00	0.00	0.00				833.22	821.49	821.49	2,149.38								17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2033	839.32	839.32	1,183.19		6.26	60.50	887.39	4,488.48	475.14	1,578.73	3,073.24	126,224.17	31,945.48	41.05	49.81	126,224.17			25,456.27	71,529.97	47.36	54.47	44.15	0.23	0.23	0.23	0.00	0.00	0.00	0.00				838.32	824.59	824.59	10,836.07								17.54	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,420.26	300.64	2,411.62	2,309.27	107,865.96	9,018.62	46.71	46.82	107,865.98			-14,571.78	104,648.80	46.10	50.82	42.02	0.17	0.17	0.17	0.00	0.00	0.00	0.00				843.73	840.00	840.00	36,730.67								17.57	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,524.78	177.16	3,208.54	1,493.40	75,572.68	2,130.49	50.60	46.66	75,572.71			8,052.44	142,473.81	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00				861.89	858.16	858.16	198,175.92								17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2036	882.06	882.06	1,183.19		0.69	59.24	887.39	4,577.21	158.05	3,309.22	1,426.00	78,038.91	1,256.20	54.72	46.73	78,038.93			8,550.31	152,535.84	48.02	52.21	44.34	0.14	0.14	0.14	0.00	0.00	0.00	0.00				882.06	878.33	878.33	755,600.81								17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2037	901.67	901.67	1,267.20		-0.48	58.93	887.39	4,602.93	155.47	3,209.70	1,548.70	87,181.96	1,788.22	56.29	50.40	87,182.00			8,711.11	151,709.50	49.70	53.77	46.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00				891.68	887.95	887.95	717,777.95								17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2038	891.68	891.68	1,183.19		-0.48	58.93	887.39	4,602.93	155.47	3,209.70	1,548.70	87,181.96	1,788.22	56.29	50.40	87,182.00			8,711.11	151,709.50	49.70	53.77	46.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00				891.68	887.95	887.95	717,777.95								17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2039	901.67	901.67	1,267.20		-1.57	58.60	869.63	4,629.70	249.66	528.00	4,101.36	94,886.27	255,995.63	-7.77	50.52	-16,797.09			12,848.31	25,631.16	49.88	53.74	46.51	0.16	0.16	0.16	0.00	0.00	0.00	0.00				901.67	898.14	986.57	42,649.29	200,404.83		76.63	10.45	2,772.94			17.60	
DOEV 2024 IRP Core 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Core	2040	909.62	909.62	1,267.20		-4.40	58.53	869.63	4,676.65	248.76	537.84	4,187.57	-25,671.22	254,922.78	-5.68	51.89	-25,666.29			13,196.75	26,694.63	51.25	54.91	48.07	0.17	0.17	0.17	0.00	0.00	0.00	0.00				909.62	905.89	905.89	99,532.94	202,554.07		84.52	13.06	2,736.29			17.60	
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2024							0.00	1,258.45	489.78	0.00	0.00		-7,000.59			62,118.51			88,463.18	26,344.87	41.15	52.01	35.43																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2025							0.00	1,258.45	489.78	0.00	0.00		-7,000.59			62,118.51			88,463.18	26,344.87	41.15	52.01	35.43																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2026							0.00	1,748.47	596.42	0.00	0.00		0.00			28,864.84			71,224.22	31,359.38	41.32	53.79	37.89																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2027							0.00	1,298.62	690.57	0.00	0.00		0.00			24,349.70			56,065.15	31,715.45	45.93	54.50	38.57																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2028							0.00	1,466.94	682.57	0.00	0.00		0.00			36,021.20			65,179.76	29,158.56	44.27	52.53	37.11																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2029							0.00	1,466.94	682.57	0.00	0.00		0.00			36,021.20			65,179.76	29,158.56	44.27	52.53	37.11																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2030							0.00	1,720.21	517.96	0.00	0.00		0.00			45,539.27			70,652.26	25,112.99	44.56	52.67	37.49																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2031							0.00	1,803.74	507.31	0.00	0.00		0.00			52,204.89			78,961.03	26,756.14	45.28	53.47	38.14																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2032							0.00	1,578.72	475.41	0.00	0.00		0.00			38,073.70			73,529.97	25,456.27	46.96	54.35	44.21																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2033							0.00	1,218.38	435.14	0.00	0.00		0.00			73,934.91			93,470.32	20,535.41	47.36	52.52	42.86																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2034							0.00	1,300.64	300.64	0.00	0.00		0.00			107,865.98			107,865.98	8,550.31	48.10	50.82	42.02																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2035							0.00	1,228.54	177.16	0.00	0.00		0.00			153,421.36			142,473.81	8,052.45	49.99	50.48	42.08																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2036							0.00	3,577.38	85.25	0.00	0.00		0.00			148,090.06			152,535.84	4,423.42	46.74	51.27	42.78																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2037							0.00	3,309.22	158.00	0.00	0.00		0.00			143,781.53			151,535.85	8,550.31	48.02	52.21	44.34																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2038							0.00	3,209.70	155.47	0.00	0.00		0.00			142,998.39			151,709.50	8,711.11	49.70	53.77	46.13																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2039							0.00	537.84	249.66	0.00	0.00		0.00			13,497.89			26,694.63	13,196.74	51.25	54.91	48.07																									
DOEV 2024 IRP Market 111 E92 DFO 50 - New Settings - PC	0	DOEV	KY Market	2040							0.00	537.84	248.76	0.00	0.00		0.00			13,497.89			26,694.63	13,196.74	51.25	54.91	48.07																									

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Cost ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,681.10	31.90				3,856.00	6.00	11,030.25	18,585,816.67	48,159.03	547.69	2.62	947.40	23,031.74	72,685.86	43.24		72,685.86	72,685.85								49.42	83,081.83				0.00	10,395.97			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,186.60	43.60				5,091.00	10.00	11,053.20	24,260,059.84	63,100.79	961.83	2.64	1,618.00	31,265.89	96,946.51	44.34	32,574.08	129,520.59	96,946.50								49.40	108,013.90				0.00	-21,506.69			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	2,965.70	56.43				5,707.00	10.00	10,784.79	32,055,559.94	89,751.79	1,132.90	2.21	1,658.00	43,621.78	116,164.46	39.17	76,066.69	192,231.15	116,164.47								49.90	147,990.38				0.00	-44,240.77			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.95	3,511.30	66.81				5,873.00	9.00	10,617.52	37,341,287.63	83,457.25	1,598.15	2.28	1,750.00	23,408.98	110,164.37	31.37		110,164.37	110,164.39								47.68	166,725.50				0.00	56,561.13			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.32	3,431.00	65.10				5,790.00	9.00	10,677.46	36,626,794.50	83,795.33	1,558.77	2.34	1,742.00	23,539.58	110,635.69	32.25		110,635.69	110,635.69								44.93	154,156.45				0.00	43,520.76			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,236.40	61.58				5,539.00	9.00	10,655.67	34,549,990.06	83,240.80	1,570.00	2.44	1,786.00	22,955.32	109,157.12	33.73		109,157.12	109,157.12								45.27	146,507.23				0.00	37,350.11			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.03	2,855.60	54.33				5,536.00	8.00	10,902.25	31,139,334.66	89,343.14	1,253.69	2.90	1,464.80	21,222.27	113,243.85	39.66	113,334.69	226,578.50	113,243.82								47.63	136,012.23				0.00	90,566.27			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	62.89	2,614.70	49.77				5,252.00	8.00	10,763.73	28,144,357.19	90,218.37	1,133.00	3.20	1,323.60	19,182.57	110,857.54	42.38	17,228.00	128,085.54	110,857.54								50.75	123,388.75				0.00	7,188.75			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.03	2,790.70	52.27				5,157.00	12.00	10,837.37	30,426,716.81	100,141.95	1,192.27	3.33	2,365.20	22,529.34	126,228.17	45.09	17,228.00	143,456.17	126,228.15								49.30	138,036.38				0.00	-5,419.79			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.03	2,291.70	43.60				4,297.00	8.00	10,816.55	24,943,712.06	86,200.07	1,000.13	3.50	1,616.80	19,048.96	107,865.96	47.07	17,228.00	125,093.96	107,865.96								50.65	116,074.78				0.00	-9,019.19			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.30	1,475.80	28.08				3,093.00	7.00	11,007.72	16,294,967.44	60,875.99	390.52	3.76	1,449.70	12,856.47	75,572.68	51.21	109,478.00	185,050.68	75,572.69								52.11	76,898.39				0.00	-108,152.29			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	1.00	600.00	498.96	66.12	1,251.00	23.74				2,690.00	9.00	11,044.28	13,880,381.23	53,379.98	441.06	3.88	1,910.70	11,275.26	67,007.00	53.56	17,228.00	84,235.00	67,007.00								54.19	67,793.25				0.00	-16,441.75			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	1.00	600.00	498.96	66.03	1,408.40	26.80				2,894.00	9.00	10,980.21	15,528,516.50	62,783.21	302.25	4.06	1,958.40	12,984.14	78,028.01	55.40	17,228.00	95,256.00	78,028.01								55.71	78,416.30				0.00	-16,799.70			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	1,531.10	29.13				3,196.00	8.00	11,002.07	16,902,148.81	70,114.99	483.52	4.18	2,007.00	14,576.46	87,181.96	56.94	17,228.00	104,409.96	87,181.98								57.56	88,123.65				0.00	-16,286.32			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2024	1.00	94.00	57.92	476.98	88.94					7,780.00	1.70	10,037.48	4,797,682.98	26,677.85	-36,229.31	-2.00		849.70	-8,701.77	-18.24		-8,701.77	-8,701.29					476.20			50.38	24,028.90		0.48		32,731.34			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	1.00	64.80	46.37	89.41	480.91	89.41				7,842.72	0.54	10,039.10	4,827,884.05	28,857.49	-37,264.71	-1.74		878.11	-7,529.11	-15.66		-7,529.11	-7,528.63					480.12			51.77	24,896.07		0.48		32,425.65			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2039	1.00	525.85	376.83	88.93	3,873.56	84.35				7,780.00	1.70	7,097.47	28,658,132.25	159,296.98	-216,855.78	-2.01		31,454.29	-26,104.51	-6.74	88,907.81	62,803.31	-26,095.93					2,212.70			51.77	202,172.22		2.23		129,186.27			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	1.00	525.85	376.83	89.41	3,905.45	89.41				7,842.72	0.54	7,397.66	28,892,299.88	172,355.28	-223,033.43	-1.75		32,506.03	-18,142.12	-4.65	91,130.30	72,988.18	-18,137.79					2,230.89			51.77	202,172.22		2.23		129,186.27			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2024	1.00	94.00	57.92	80.80	303.37	39.56				7,514.00	72.00	15,027.33	4,560,322.63	31,197.17	283.09	2.52	424.80	0.00	1,905.05	39.24		1,905.05	1,905.05								47.72	14,478.17				0.00	2,573.11			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2025	1.00	94.00	57.92	74.36	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	176.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.33				0.00	224.09			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2026	1.00	94.00	57.92	89.49	26.05	3.41				594.00	13.00	14,769.38	385,015.31	1,611.48	17.05	4.23	80.60	0.00	1,709.14	65.61		1,709.14	1,709.14								71.99	1,875.43				0.00	166.29			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2027	1.00	94.00	57.92	89.49	22.87	2.99				262.00	11.00	14,819.32	339,133.97	1,345.97	13.76	4.01	70.40	0.00	1,430.13	62.54		1,430.13	1,430.13								66.83	1,528.36				0.00	98.22			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2028	1.00	94.00	57.92	89.87	9.88	1.29				119.00	7.00	14,947.66	147,844.84	587.04	14.76	3.94	46.20	0.00	628.00	63.56		628.00	628.00								68.02	672.14				0.00	44.14			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2029	1.00	94.00	57.92	85.36	17.85	2.33				211.00	8.00	14,918.56	266,419.59	946.28	12.21	3.60	53.60	0.00	1,012.09	56.71		1,012.09	1,012.09								59.41	1,060.26				0.00	48.17			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2030	1.00	94.00	57.92	84.71	46.25	6.05				527.00	14.00	14,802.01	684,874.09	2,451.13	26.93	3.62	96.60	0.00	2,574.67	55.67		2,574.67	2,574.67								58.21	2,689.19				0.00	117.52			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2031	1.00	94.00	57.92	86.21	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10	0.00	1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				0.00	97.32			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2032	1.00	94.00	57.92	85.61	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00	0.00	1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89				0.00	75.74			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2033	1.00	94.00	57.92	85.61																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2034	1.00	94.00	57.92	84.95																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2035	1.00	94.00	57.92	85.05																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2036	1.00	94.00	57.92	86.25																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2037	1.00	94.00	57.92	85.61																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2038	1.00	94.00	57.92	85.56																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2039	1.00	94.00	57.92	85.05																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2040	1.00	94.00	57.92	85.71																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2024	1.00	94.00	67.62	87.76	373.88	48.29				4,372.00	70.00	14,885.07	5,566,670.58	12,639.38	271.06	2.32	413.00	0.00	13,323.43	35.64		13,323.43	13,323.44								44.54	16,652.37				0.00	3,328.93			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2025	1.00	94.00	67.62	72.67	46.40	6.01				522.00	26.00	14,757.63	685,344.11	2,491.46	36.37	3.69	158.60	0.00	2,686.43	57.89		2,686.43	2,686.43								62.62	2,905.90				0.00	219.47			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2026	1.00	94.00	67.62	87.76	25.59	3.31				289.00	13.00	14,770.66	378,224.68	1,566.46	19.76	4.19	80.60	0.00	1,666.82	65.14		1,666.82	1,666.82								71.70	1,834.58				0.00	167.76			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2027	1.00	94.00	67.62	88.07	25.49	3.30				290.00	13.00	14,798.83	377,480.29	1,503.16	16.22	4.03	83.20	0.00	1,602.58	62.87		1,602.58	1,602.58								69.67	1,706.96				0.00	104.38			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2028	1.00	94.00	67.62	87.50	7.68	0.99				94.00	5.00	14,991.87	115,287.55	409.84	15.05	3.93	46.20	0.00	503.04	65.51		503.04	497.90								64.07	492.28				0.00	34.39			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2029	1.00	94.00	67.62	85.21	17.97	2.33				211.00	8.00	14,898.32	267,935.48	951.49	12.46	3.60	53.60	0.00	1,017.54	56.62		1,017.54	1,017.54								59.45	1,068.41				0.00	50.86			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2030	1.00	94.00	67.62	84.66	48.22	6.25				545.00	15.00	14,780.41	712,967.37	2,574.63	27.48	3.65	103.50	0.00	2,705.61	56.11		2,705.61	2,705.61								58.73	2,831.52				0.00	125.91			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2031	1.00	94.00	67.62	84.66	30.87	4.00				356.00	13.00	14,828.51	457,999.35	1,836.73	31.71	4.08	92.30	0.00	1,960.74	63.52		1,960.74	1,960.74								66.84	2,063.07				0.00	102.33			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2032	1.00	94.00	67.62	84.57	26.16	3.38				289.00	5.00	14,709.87	384,885.87	1,707.95	14.23	4.47	36.00	0.00	1,758.19	67.21		1,758.19	1,758.19								70.20	1,836.31				0.00	78.13			
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2033	1.00	94.00	67.62	85.08																																				
DEKY 2024 IRP Core 111 ISE2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2034	1.00	94.00	67.62	84.92																																				
DEKY 2024 IRP Core 111 ISE2 D

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,903,434.51	204.83	2,264.51		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	716.28	0.08	0.85	544.80	0.32
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,205.29	0.13	1.43	2.89	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,480,940.44	204.70	2,269.22		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	909.43	0.08	0.83	958.06	0.44
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,570.98	0.13	1.44	3.77	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,283,204.75	204.84	2,214.12		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,249.26	0.08	0.84	1,127.91	0.38
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,078.99	0.13	1.40	4.99	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,826,925.55	204.95	2,179.78		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,456.21	0.08	0.83	1,592.34	0.45
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,423.29	0.13	1.38	5.82	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,742,907.20	204.94	2,181.82		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,423.28	0.08	0.83	1,553.09	0.45
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,370.08	0.13	1.38	5.69	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,539,988.17	204.92	2,187.61		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,372.18	0.08	0.85	1,164.62	0.36
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,241.59	0.13	1.39	5.38	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	2,535,259.05	162.57	1,775.64		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,194.03	0.08	0.84	1,211.18	0.42
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	1,011.80	0.06	0.71	2.43	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	2,467,370.04	162.57	1,776.17		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,150.85	0.08	0.83	1,297.89	0.47
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	984.67	0.06	0.71	2.36	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	2,904,854.88	162.57	1,752.71		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,373.77	0.08	0.83	1,540.43	0.46
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	1,159.34	0.06	0.70	2.78	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	2,472,632.18	162.53	1,766.36		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,172.56	0.08	0.84	1,189.86	0.42
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	986.10	0.06	0.70	2.41	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	2,027,333.67	162.55	1,769.28		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	959.39	0.08	0.84	998.13	0.44
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	808.82	0.06	0.71	2.01	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	1,324,126.73	162.52	1,794.45		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	640.66	0.08	0.87	389.19	0.26
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	527.97	0.06	0.72	1.33	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	1,127,457.19	162.45	1,802.49		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	534.38	0.08	0.85	439.91	0.35
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	SO2	449.03	0.06	0.72	1.15	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	1,261,491.66	162.47	1,791.38		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	618.44	0.08	0.88	300.94	0.21
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	SO2	502.60	0.06	0.71	1.31	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	1,373,353.93	162.51	1,793.94		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	660.34	0.08	0.86	482.06	0.31
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	SO2	547.47	0.06	0.72	1.45	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2039	CO2	287,260.93	120.00	1,204.50	-36,255.01	-76.01
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2039	NOx	19.15	0.01	0.08	25.61	0.05
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	CO2	289,672.98	120.00	1,204.69	-37,290.88	-77.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	NOx	19.31	0.01	0.08	26.15	0.05
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	CO2	1,719,487.29	120.00	887.81	-217,013.96	-56.02
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	NOx	114.63	0.01	0.06	159.05	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	CO2	1,733,537.84	120.00	887.75	-223,165.98	-57.14
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	NOx	115.57	0.01	0.06	162.41	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	266,778.80	117.00	1,758.78		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	271.34	0.12	1.79	283.09	0.93
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	19,839.33	117.00	1,735.04		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	20.18	0.12	1.76	13.76	0.60

DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	40,065.12	117.00	1,732.70		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	40.75	0.12	1.76	26.93	0.58
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	325,650.08	117.00	1,742.01		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	331.22	0.12	1.77	271.06	0.72
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	40,092.62	117.00	1,728.02		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	40.78	0.12	1.76	36.37	0.78
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,126.14	117.00	1,729.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.50	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	6,744.32	117.00	1,755.65		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	6.86	0.12	1.79	15.05	1.96
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	303,025.38	117.00	1,745.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	308.21	0.12	1.77	215.90	0.62
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	39,611.66	117.00	1,728.30		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	40.29	0.12	1.76	36.37	0.79
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	22,647.26	117.00	1,727.08		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	23.03	0.12	1.76	17.40	0.66
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	20,795.52	117.00	1,734.04		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	21.15	0.12	1.76	16.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	10,732.34	117.00	1,744.67		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	10.92	0.12	1.77	12.44	1.01
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	24,748.22	117.00	1,733.80		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	25.17	0.12	1.76	25.99	0.91
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	21,148.38	117.00	1,722.18		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	21.51	0.12	1.75	14.23	0.58
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	308,459.98	117.00	1,742.18		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	313.73	0.12	1.77	240.19	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	41,512.92	117.00	1,731.94		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	42.22	0.12	1.76	26.94	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	349,875.79	117.00	1,739.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	355.86	0.12	1.77	265.88	0.66
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	53.29	0.12	1.76	36.40	0.60

DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	21,739.93	117.00	1,720.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.11	0.12	1.75	12.06	0.48
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	347,226.21	117.00	1,740.22		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	353.16	0.12	1.77	265.88	0.67
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	22.90	0.12	1.75	14.23	0.54

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	525.85	1,951,756.25
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	221,584.81
DEKY 2024	0	2039	DEKY	KY Core	Proj New E	2.00	2.00	100.00	249,719.14

Scenario	RunID	RA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2024	897.65	897.65	1,182.93		9.95	60.45	887.88	4,288.50	964.23	1,537.69	3,791.25	142,787.05	28,449.37	38.39	40.70	145,787.07		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2025	809.57	809.57	1,183.00		9.67	60.41	887.88	4,284.00	436.38	2,282.07	2,438.31	108,797.32	13,284.89	44.62	44.42	108,797.34		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2026	812.20	812.20	1,181.96		9.30	60.30	887.77	4,296.92	597.24	1,614.08	3,273.78	129,255.59	36,765.24	39.48	46.59	128,255.61		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2027	811.95	811.95	1,183.13		9.35	60.24	887.67	4,284.73	779.64	1,571.61	3,083.76	117,949.18	55,959.96	32.02	47.10	117,949.20		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2028	811.95	811.95	1,183.13		9.35	60.24	887.67	4,284.73	779.64	1,571.61	3,083.76	117,949.18	55,959.96	32.02	47.10	117,949.20		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2029	812.17	812.17	1,183.19		9.28	60.19	887.58	4,282.49	588.94	1,525.08	3,346.35	112,912.75	39,795.73	33.74	44.67	112,912.76		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.48	4,362.59	365.80	1,808.91	2,919.49	128,152.35	16,405.64	43.90	45.66	128,152.35		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2031	827.36	827.36	1,183.19		7.17	60.30	887.38	4,388.85	290.31	2,060.61	2,688.15	122,965.96	11,788.92	46.00	46.85	122,965.96		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2032	831.22	831.22	1,183.19		6.76	60.12	887.38	4,388.85	475.81	1,560.12	2,898.97	120,992.41	13,788.92	41.75	46.85	120,992.41		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2033	836.33	836.33	1,183.19		6.46	59.87	887.28	4,400.88	476.81	1,568.03	2,908.62	121,491.48	13,788.92	41.78	48.13	121,491.48		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.28	4,400.26	44.24	3,909.87	554.63	29,157.36	2,133.45	52.68	46.82	29,157.38		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.28	4,524.78	9.30	4,335.64	198.43	11,012.11	1,254.33	55.50	46.66	11,012.12		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2036	882.06	882.06	1,233.19		0.89	59.94	889.89	4,577.21	10.01	4,382.90	205.31	464.92	11,558.57	-2.26	48.73	464.79		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2037	882.06	882.06	1,233.19		0.89	59.94	889.89	4,577.21	10.01	4,382.90	205.31	464.92	11,558.57	-2.26	48.73	464.79		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2038	891.68	891.68	1,233.19		-0.20	58.93	889.89	4,602.93	20.26	4,348.18	275.01	3,676.23	11,931.68	13.37	50.40	3,676.35		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2039	901.87	901.87	1,233.19		-1.13	58.60	889.89	4,629.70	4.39	4,443.42	190.57	-1,518.48	12,212.60	-7.97	50.52	-1,518.35		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Core	2040	909.62	909.62	1,433.19		-1.07	58.53	899.89	4,676.65	10.09	4,063.19	623.56	-26,038.50	58,137.63	-41.76	51.89	-26,037.94		
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2024							0.00		2,320.85	2,320.85	0.00		0.00					2,320.85
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2025							0.00		1,290.07	436.38	0.00		0.00					48,201.92
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2026							0.00		1,614.08	597.24	0.00		0.00					35,873.21
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2027							0.00		1,571.61	779.64	0.00		0.00					27,891.44
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2028							0.00		1,545.87	653.86	0.00		0.00					32,980.06
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2029							0.00		1,525.08	588.94	0.00		0.00					39,795.73
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2030							0.00		1,808.91	365.80	0.00		0.00					54,626.95
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2031							0.00		2,091.84	360.55	0.00		0.00					65,822.91
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2032							0.00		1,968.01	476.81	0.00		0.00					64,881.97
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2033							0.00		3,520.22	127.85	0.00		0.00					154,530.59
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2034							0.00		4,400.26	44.24	0.00		0.00					211,979.40
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2035							0.00		4,335.64	9.30	0.00		0.00					198,858.06
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2036							0.00		4,444.64	1.01	0.00		0.00					209,922.57
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2037							0.00		4,381.90	10.01	0.00		0.00					211,976.40
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2038							0.00		4,348.18	20.26	0.00		0.00					216,360.79
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2039							0.00		4,443.42	4.39	0.00		0.00					217,988.88
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	0	DSEM	AY Market	2040							0.00		4,063.19	10.09	0.00		0.00					210,372.24

Scenario	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	48,805.64	51,126.49	39.39	48.49	31.44	0.88	0.88	0.88	0.00	0.00	0.00	0.00					857.65	857.65	857.65									17.63
DSEM 2024 IRP 11 E&E NGC 30 - NS No Must Run - PC	23,522.68	91,724.61	43.55	52.01	35.43	0.55	0.55	0.55	0.00	0.00	0.00	0.00					809.57	808.57	808.57									17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	35,153.98	66,989.19	45.32	53.79	37.89	0.55	0.55	0.55	0.00	0.00	0.00	0.00					812.20	808.47	808.47									17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	35,475.09	61,366.53	45.93	54.30	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00					811.95	808.22	808.22									17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	36,188.11	35,475.08	46.21	54.63	39.21	0.47	0.47	0.47	0.00	0.00	0.00	0.00					811.95	808.22	808.22									17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	26,100.25	64,970.01	43.58	51.82	36.39	0.47	0.47	0.47	0.00	0.00	0.00	0.00					812.17	808.44	808.44									17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	18,406.52	73,031.47	44.56	52.67	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00					821.92	820.92	820.92									17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	29,060.74	69,613.06	45.28	54.35	38.14	0.37	0.37	0.37	0.00	0.00	0.00	0.00					827.36	827.36	827.36									17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	36,033.75	92,343.92	47.04	54.55	40.81	0.19	0.19	0.19	0.00	0.00	0.00	0.00					831.22	827.69	827.69									17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	42,126.19	92,343.92	47.36	54.55	41.36	0.19	0.19	0.19	0.00	0.00	0.00	0.00					836.33	834.59	834.59									17.54
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	2,401.31	176,012.10	46.10	50.82	42.02	0.17	0.17	0.17	0.00	0.00	0.00	0.00					843.73	840.00	840.00	21,429.04								17.57
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	532.34	199,390.40	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00					861.89	858.16	858.16	30,435.62								17.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	0.00	217,580.87	49.70	53.77	46.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00					882.06	863.44	863.44	173,977.84	8,703.54							123.19
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	577.75	212,334.22	48.62	52.22	44.34	0.14	0.14	0.14	0.00	0.00	0.00	0.00					882.06	863.44	863.44	173,977.84	8,703.54							124.85
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	1,226.08	217,580.87	49.70	53.77	46.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00					891.68	851.99	851.99	268,142.53	8,857.69							124.57
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	263.59	231,460.49	49.88	53.74	46.51	0.16	0.16	0.16	0.00	0.00	0.00	0.00					901.87	861.78	861.78	321,319.82	8,871.07							124.57
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	731.18	211,303.42	51.25	54.91	48.07	0.17	0.17	0.17	0.00	0.00	0.00	0.00					909.62	872.76	872.76	205,790.14	45,089.61							561.60
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	48,201.92	23,553.69	45.21	52.01	35.43																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	35,873.21	35,724.61	45.23	52.01	35.43																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	27,891.44	33,553.69	45.23	52.01	35.43																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	32,980.06	31,115.97	45.52	53.79	37.89																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	39,795.73	35,475.08	45.93	54.30	38.57																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	54,626.95	61,487.79	46.27	52.53	37.11																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	65,822.91	73,031.47	46.56	52.67	37.49																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	64,881.97	73,031.48	46.56	52.67	37.49																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	154,530.59	86,483.96	45.28	53.47	38.14																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	211,979.40	90,913.90	46.96	54.35	44.21																							
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	198,858.06	161,449.91	8,919.32	47.36	52.52	42.86																						
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	209,922.57	199,390.40	532.34	45.99	50.48	42.08																						
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	211,976.40	199,390.40	532.34	45.99	50.48	42.08																						
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	216,360.79	209,977.23	55.05	46.74	51.27	42.78																						
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	217,988.88	212,334.14	577.73	48.62	52.21	44.34																						
DSEM 2024 IRP 11 E&E NGC 30 - NS No Month Run - PC	210,372.24	211,303.42	731.18	51.25	54.91	48.07																						

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,573.58	29.86				3,371.00	5.00	10,899.56	17,186,824.59	44,321.43	554.59	2.61	947.40	20,514.60	66,338.02	42.16		66,338.02	66,338.02								47.48	74,706.67				0.00	8,368.65			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,102.21	40.00				4,409.00	9.00	10,872.54	22,925,308.58	59,671.51	763.02	2.64	1,456.20	28,570.53	90,461.25	43.03	37,196.83	127,658.08	90,461.25								48.30	101,540.29				0.00	-26,117.79			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	3,104.96	59.07				5,804.00	10.00	10,735.40	33,404,094.00	72,617.28	1,138.18	2.21	1,658.00	43,913.81	119,327.27	38.43	76,066.69	195,393.96	119,327.27								49.04	152,280.73				0.00	-43,113.23			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,520.94	66.99				5,918.00	9.00	10,622.08	37,463,699.63	83,451.49	1,840.70	2.28	1,700.00	21,748.03	108,740.22	30.88		108,740.22	108,740.22								46.37	163,251.56				0.00	54,511.34			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,421.95	64.93				5,783.00	10.00	10,627.59	36,438,185.75	82,864.21	1,333.51	2.34	1,742.00	21,737.57	108,677.30	31.76		108,677.30	108,677.29								45.90	157,069.90				0.00	48,392.60			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,228.41	61.42				5,648.00	8.00	10,663.37	34,482,569.94	82,929.37	1,666.05	2.45	1,439.80	21,189.04	107,213.26	33.21		107,213.26	107,213.26								45.20	145,932.55				0.00	38,719.29			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	2,644.69	50.32				5,294.00	7.00	10,815.07	28,652,275.50	102,909.40	1,232.45	3.63	1,281.70	8,242.49	111,666.01	42.98	175,100.48	288,766.51	111,666.01								48.63	128,602.01				0.00	-160,164.50			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.11	2,490.94	47.42				5,059.00	6.00	10,875.32	27,092,154.09	101,257.04	1,216.69	3.74	1,053.00	8,596.15	110,906.19	44.52	28,470.00	139,376.19	110,906.19								52.13	129,836.29				0.00	-16,009.69			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.30	1,190.58	18.85				1,806.00	5.00	10,921.84	10,854,503.91	47,322.64	439.39	3.95	985.50	3,261.20	51,475.45	52.37	28,470.00	80,345.45	51,475.46								56.98	64,440.70				0.00	-23,904.75			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.30	537.05	10.12				1,038.00	4.00	10,989.06	5,930,146.19	26,296.53	284.08	4.48	808.40	1,828.35	29,217.36	54.40	28,470.00	57,687.36	29,217.36								56.87	30,541.00				0.00	-27,146.36			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.03	180.84	3.44				325.00	2.00	10,905.91	1,986,406.13	9,881.25	93.98	5.02	414.20	622.68	11,012.11	60.90	28,470.00	39,482.11	11,012.10								63.38	11,461.66				0.00	449.56			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.12	99.49	1.89				199.00	3.00	11,030.36	1,118,789.38	5,574.46	108.27	4.72	636.90	357.37	6,277.00	63.09	28,470.00	34,747.00	6,277.00								59.91	5,961.13				0.00	-28,785.87			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2037	1.00	600.00	498.96	66.30	81.75	1.56				142.00	2.00	10,868.93	902,806.91	4,396.06	53.91	4.93	435.20	293.64	5,178.81	63.35	28,470.00	33,648.81	5,178.81								64.51	5,273.79				0.00	-28,375.02			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	150.16	2.86				286.00	2.00	10,971.78	1,661,777.50	8,451.42	74.81	5.13	446.00	560.75	9,532.97	63.48	28,470.00	38,002.97	9,532.97								63.93	8,600.40				0.00	-28,402.58			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2039	1.00	600.00	498.96	66.03	66.00	1.26				110.00	1.00	10,825.85	721,616.06	3,771.89	76.21	5.33	228.60	246.96	4,323.66	65.51	28,470.00	32,793.66	4,323.66								70.93	4,681.06				0.00	-28,112.60			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Coal:Conventional	East Bend 2	2040	1.00	600.00	498.96	66.12	61.95	1.18				109.00	1.00	10,882.69	681,345.13	3,864.98	72.97	5.78	234.30	239.49	4,411.75	71.21	28,470.00	32,881.75	4,411.75								74.08	4,589.55				0.00	-28,292.20			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2024	1.00	94.00	57.92	81.05	307.41	40.08				3,716.00	71.00	14,986.73	4,608,530.97	11,263.30	265.24	2.50	418.90	0.00	11,947.44	38.87		11,947.44	11,947.45								47.76	14,682.87				0.00	2,735.42			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2025	1.00	94.00	57.92	74.72	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	176.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.33				0.00	224.09			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2026	1.00	94.00	57.92	89.64	26.05	3.41				294.00	13.00	14,769.38	385,015.31	1,611.48	17.05	4.23	80.60	0.00	1,709.14	65.61		1,709.14	1,709.14								71.99	1,875.43				0.00	166.29			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2027	1.00	94.00	57.92	89.59	18.80	2.46				213.00	11.00	14,779.02	278,032.25	1,171.86	13.76	4.26	70.40	0.00	1,256.02	66.82		1,256.02	1,256.02								71.73	1,348.40				0.00	92.38			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2028	1.00	94.00	57.92	89.87	9.88	1.29				119.00	7.00	14,947.66	147,844.84	567.04	14.76	3.94	46.20	0.00	628.00	63.56		628.00	628.00								68.02	672.14				0.00	44.14			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2029	1.00	94.00	57.92	85.36	17.85	2.33				215.00	8.00	14,918.56	266,419.59	946.28	12.21	3.60	53.60	0.00	1,012.09	56.71		1,012.09	1,012.09								59.41	1,060.26				0.00	48.17			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2030	1.00	94.00	57.92	84.96	44.17	5.78				503.00	14.00	14,799.87	653,374.69	2,355.71	26.93	3.64	96.60	0.00	2,479.24	56.13		2,479.24	2,479.24								58.67	2,591.43				0.00	112.18			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2031	1.00	94.00	57.92	85.46	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10	0.00	1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				0.00	97.32			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2032	1.00	94.00	57.92	85.40	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00	0.00	1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89				0.00	75.74			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2033	1.00	94.00	57.92	85.41																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2034	1.00	94.00	57.92	84.66																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2035	1.00	94.00	57.92	84.66																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2036	1.00	94.00	57.92	85.51																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2037	1.00	94.00	57.92	85.51																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2038	1.00	94.00	57.92	85.86																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2039	1.00	94.00	57.92	85.61																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2040	1.00	94.00	57.92	85.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2024	1.00	94.00	67.62	88.23	377.72	48.78				4,418.00	67.00	14,888.19	5,625,019.20	12,843.52	248.10	2.33	395.30	0.00	13,486.92	35.71		13,486.92	13,486.92								44.46	16,792.11				0.00	3,305.19			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2025	1.00	94.00	67.62	73.03	48.46	6.28				540.00	27.00	14,732.95	714,511.18	2,627.23	31.25	3.72	164.70	0.00	2,823.18	58.26		2,823.18	2,823.18								62.96	3,050.96				0.00	227.79			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2026	1.00	94.00	67.62	87.76	27.19	3.52				306.00	14.00	14,761.48	401,599.59	1,671.77	19.77	4.21	86.80	0.00	1,778.34	65.41		1,778.34	1,778.34								71.70	1,949.25				0.00	170.91			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2027	1.00	94.00	67.62	87.46	25.49	3.30				290.00	13.00	14,798.83	377,480.29	1,503.16	16.22	4.03	83.20	0.00	1,602.58	62.87		1,602.58	1,602.58								66.97	1,706.96				0.00	104.38			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2028	1.00	94.00	67.62	87.80	10.03	1.30				119.00	7.00	14,903.47	149,673.54	573.65	15.06	3.93	46.20	0.00	634.91	63.28		634.91	634.91								68.01	682.32				0.00	47.42			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2029	1.00	94.00	67.62	85.36	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10	0.00	1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				0.00	97.32			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2030	1.00	94.00	67.62	84.51	44.36	5.75				503.00	14.00	14,788.87	656,283.87	2,399.58	27.48	3.70	96.60	0.00	2,523.66	56.89		2,523.66	2,523.66								59.65	2,645.94				0.00	122.28			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2031	1.00	94.00	67.62	84.66	29.75	3.85				342.00	12.00	14,820.25	441,124.88	1,778.25	28.95	4.10	85.20	0.00	1,892.40	63.61		1,892.40	1,892.40								60.96	1,995.69				0.00	99.29			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2032	1.00	94.00	67.62	84.86	19.58	2.53				219.00	3.00	14,741.94	288,680.68	1,264.25	14.22	4.43	21.60	0.00	1,300.08	66.41		1,300.08	1,300.08								70.13	1,372.99				0.00	72.91			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2033	1.00	94.00	67.62	84.52																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2034	1.00	94.00	67.62	85.17																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2035	1.00	94.00	67.62	84.83																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2036	1.00	94.00	67.62	85.00																			0.00													0.00			
DEEY 2024 RP 111 E82 NGC '30 - NS No Must Run - PC	0	DEEY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2037	1.00	94.00	67.62	85.21	

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,764,227.57	205.30	2,242.32		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	666.37	0.08	0.85	551.91	0.35
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,117.14	0.13	1.42	2.68	0.00
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,352,769.46	205.30	2,238.38		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	888.82	0.08	0.85	759.44	0.36
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,489.82	0.13	1.42	3.58	0.00
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,428,930.25	205.30	2,208.68		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,312.40	0.08	0.85	1,132.96	0.36
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,171.27	0.13	1.40	5.21	0.00
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,845,649.09	205.30	2,184.44		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,438.56	0.08	0.82	1,834.86	0.52
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,435.14	0.13	1.38	5.84	0.00
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,740,380.13	205.30	2,186.11		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,439.59	0.08	0.84	1,327.83	0.39
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,368.48	0.13	1.38	5.68	0.00
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,539,635.96	205.30	2,192.81		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,323.42	0.08	0.82	1,660.67	0.51
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,241.37	0.13	1.39	5.38	0.00
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	1,719,136.96	120.00	1,300.07		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,095.78	0.08	0.83	1,232.45	0.47
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	1,629,327.13	120.00	1,332.29		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,005.07	0.07	0.82	1,231.54	0.50
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	1,795,662.37	120.00	1,315.05		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,117.32	0.07	0.82	1,428.69	0.52
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	651,270.26	120.00	1,314.93		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	425.09	0.08	0.86	306.32	0.31
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	355,808.76	120.00	1,325.04		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	220.45	0.07	0.82	284.08	0.53
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	119,184.37	120.00	1,318.15		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	74.54	0.08	0.82	93.98	0.52
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	67,127.36	120.00	1,349.37		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	36.34	0.06	0.73	108.27	1.09
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	54,168.41	120.00	1,325.14		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	32.90	0.07	0.80	53.91	0.66
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	99,706.65	120.00	1,327.98		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	62.54	0.08	0.83	74.81	0.50
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	CO2	43,296.97	120.00	1,312.03		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	NOx	24.11	0.07	0.73	76.21	1.15
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	CO2	40,880.70	120.00	1,319.69		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	NOx	22.63	0.07	0.73	72.97	1.18
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	269,598.98	117.00	1,754.01		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	274.21	0.12	1.78	265.24	0.86
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	16,264.88	117.00	1,730.58		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	16.54	0.12	1.76	13.76	0.73
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	38,257.51	117.00	1,732.36		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	38.91	0.12	1.76	26.93	0.61
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	24,563.82	117.00	1,736.82		

DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	329,063.47	117.00	1,742.35		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	334.69	0.12	1.77	248.10	0.66
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	41,798.90	117.00	1,725.12		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	42.51	0.12	1.75	31.25	0.64
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	23,493.57	117.00	1,728.36		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	23.90	0.12	1.76	19.77	0.73
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	12,700.68	117.00	1,743.52		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	12.92	0.12	1.77	12.45	0.85
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	38,392.59	117.00	1,731.07		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	39.05	0.12	1.76	27.48	0.62
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	25,805.80	117.00	1,734.96		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	26.25	0.12	1.76	28.95	0.97
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	16,887.82	117.00	1,725.18		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	17.18	0.12	1.75	14.22	0.73
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	279,825.64	117.00	1,742.74		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	284.61	0.12	1.77	203.93	0.64
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	42,856.48	117.00	1,726.03		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	43.59	0.12	1.76	34.21	0.69
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	17,784.55	117.00	1,728.67		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	18.09	0.12	1.76	17.39	0.85
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	12,290.21	117.00	1,739.22		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	12.50	0.12	1.77	2.98	0.21
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	21,911.53	117.00	1,734.26		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	22.29	0.12	1.76	17.99	0.71
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	23,657.50	117.00	1,739.39		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	24.06	0.12	1.77	31.70	1.17
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	306,594.10	117.00	1,742.00		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	311.84	0.12	1.77	234.97	0.67
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	7,819.50	117.00	1,748.35		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	7.95	0.12	1.78	12.44	1.39
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	41,512.92	117.00	1,731.94		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	42.22	0.12	1.76	26.94	0.56
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	347,140.93	117.00	1,740.20		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	353.07	0.12	1.77	265.88	0.67
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	22,206.50	117.00	1,729.34		

DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	40,862.27	117.00	1,729.40		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	41.56	0.12	1.76	25.12	0.53
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	345,297.46	117.00	1,740.39		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	351.20	0.12	1.77	265.87	0.67
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	22.90	0.12	1.75	14.23	0.54

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Carrying Costs ($/kW)	Installed Cost ($/kW)	Carrying Costs	Capital Expense	Installed Cost	Book Value	Book Depreciation	Tax Depreciation	Deferred Taxes	ADIT	Tax Credits	Deferred Credits	Property Taxes	Decommissioning	Other Costs	Debt	Debt Service	Interest	AFUDC	Capitalized Interest	Rate Base	Allowed Return
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	2037	DEKY	KY Core	Proj New Solar DEK	1.00	1.00	50.00	174.07	2,216.99	8,703.54	173,977.84	110,849.59	341,176.50	3,694.99	24,194.19	4,997.91	5,964.92			166.27	443.40	47.44	165,795.91	-74,802.67	11,827.08	11,405.48	8,704.61	105,774.93	10,265.24
DEKY 2024 IRP 111 EB2 NGC '30 - NS No Must Run - PC	0	2040	DEKY	KY Core	Proj New Solar DEK	4.00	5.00	250.00	180.36	2,294.61	45,089.61	195,758.61	458,921.69	1,186,793.63	18,992.38	112,404.67	22,710.39	45,561.52			854.66	2,279.09	243.86	579,556.25	-53,435.44	48,682.92	44,479.14	33,437.80	516,433.66	50,118.84

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2037	DEKY	KY Core	Proj New S	1.00	1.00	50.00	110,849.59
DEKY 2024	0	2040	DEKY	KY Core	Proj New S	4.00	5.00	250.00	458,921.69

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2024	807.65	807.65	1,182.93		9.95	60.45	888.04	4,288.50	1,016.95	1,643.50	3,661.96	141,301.39	29,282.06	38.59	40.70	141,301.41			51,941.69	55,915.53	39.39	48.49	31.44	0.88	0.88	0.88	0.00	0.00	0.00	0.00				807.65	803.47	803.47	1,672.46							17.63	
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2025	812.20	812.20	1,183.06		9.30	60.85	887.77	4,288.62	584.73	1,580.24	3,295.11	151,506.20	32,650.54	39.91	46.59	151,506.23			55,728.34	66,460.62	45.32	53.79	37.89	0.55	0.55	0.55	0.00	0.00	0.00	0.00				812.20	808.47	808.47	21,026.96							17.60	
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2026	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	761.25	1,337.34	3,688.64	119,937.17	37,907.79	32.52	47.10	119,937.19			34,835.46	58,791.09	45.93	54.30	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.22	808.22	80,678.06							17.60	
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2028	812.09	812.09	1,183.19		9.30	60.15	887.58	4,290.15	669.29	1,516.01	3,443.83	111,583.77	47,613.41	32.40	45.42	111,583.79			29,374.86	65,048.26	44.27	52.53	37.11	0.50	0.50	0.50	0.00	0.00	0.00	0.00				812.09	808.36	808.36	193,661.94							17.63	
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2029	812.17	812.17	1,183.19		9.28	60.19	887.58	4,282.49	570.42	1,470.92	3,381.98	115,666.37	40,270.92	34.20	44.67	115,666.39			25,185.60	60,526.84	43.58	51.82	36.39	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44	302,138.38							17.60	
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2030	827.36	827.36	1,183.19		7.27	60.38	887.49	4,370.05	614.39	1,572.61	3,413.83	121,992.32	46,470.78	35.76	46.44	121,992.35			30,278.43	65,095.68	45.28	53.47	38.14	0.37	0.37	0.37	0.00	0.00	0.00	0.00				827.36	826.35	826.35	232,020.04							17.60	
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2032	831.22	831.22	1,240.45		7.14	60.12	890.72	4,389.82	298.92	2,277.42	2,411.32	76,173.86	57,826.40	31.59	49.81	76,174.58			19,133.01	103,849.40	48.96	54.35	44.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00				831.22	827.49	827.49	47,399.48	103,861.89		34.68	8.17	671.33			
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2033	838.32	838.32	1,240.45		6.25	59.92	890.72	4,400.48	136.27	2,387.43	2,149.32	68,142.32	44,842.64	31.70	48.13	68,143.06			7,351.76	106,233.63	47.36	52.52	42.86	0.19	0.19	0.19	0.00	0.00	0.00	0.00				838.32	834.59	834.59	87,283.41	107,084.75		38.81	3.64	705.60			
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2034	843.73	843.73	1,240.45		5.57	59.81	890.72	4,420.26	128.88	2,436.17	2,132.97	68,532.20	40,944.56	32.43	46.82	68,532.92			6,875.71	105,299.59	46.10	50.82	42.02	0.17	0.17	0.17	0.00	0.00	0.00	0.00				843.73	840.00	840.00	113,279.34	109,673.75		24.79	2.03	683.72			
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2035	857.04	857.04	1,240.45		3.80	59.54	890.72	4,500.76	232.09	2,538.40	2,606.45	63,496.49	68,099.41	24.36	47.52	63,497.55			11,861.71	96,979.88	46.74	51.27	42.78	0.14	0.14	0.14	0.00	0.00	0.00	0.00				857.04	854.67	854.67	44,394.23	139,823.29		19.78	1.39	1,050.41			
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2037	882.06	882.06	1,440.45		2.12	59.24	900.72	4,577.21	269.13	2,171.42	2,674.93	60,153.38	78,595.72	22.49	48.73	60,154.55			14,184.49	98,537.52	48.02	52.21	44.34	0.14	0.14	0.14	0.00	0.00	0.00	0.00				882.06	880.58	880.58	63,567.64	150,241.86		17.94	2.10	1,161.20			
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2038	891.68	891.68	1,440.45		1.01	58.91	900.72	4,602.93	249.93	2,200.73	2,652.13	62,171.10	79,442.84	23.44	50.40	62,172.27			13,607.06	104,055.04	49.70	53.77	46.13	0.15	0.15	0.15	0.00	0.00	0.00	0.00				891.68	837.63	837.63	101,570.11	153,499.86		13.64	0.86	1,144.28			
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2039	901.87	901.87	1,440.45		-0.13	58.60	900.72	4,629.70	247.23	2,266.78	2,630.15	63,312.08	77,245.74	24.26	50.52	63,313.24			13,750.75	107,123.01	49.88	53.74	46.51	0.16	0.16	0.16	0.00	0.00	0.00	0.00				901.87	867.43	867.43	141,503.78	154,037.28		18.38	1.02	1,136.48			
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Core	2040	909.62	909.62	1,440.45		-0.70	58.53	900.72	4,676.65	245.64	2,284.71	2,608.58	66,231.42	88,070.64	23.58	51.89	66,232.48			13,658.12	112,000.00	51.71	53.77	48.77	0.17	0.17	0.17	0.00	0.00	0.00	0.00				909.62	872.76	872.76	112,062.94	166,280.59		25.24	1.43	1,224.78			
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2024							0.00	1,643.50	1,016.95								3,973.83		55,915.53	51,941.69	39.39	48.49	31.44																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2025							0.00	2,084.57	406.19								63,096.43		84,755.29	21,658.87	43.15	52.01	35.43																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2026							0.00	1,580.24	584.73								35,737.26		66,460.62	30,728.34	45.32	53.79	37.89																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2027							0.00	1,337.34	741.25								23,955.62		58,791.09	34,835.46	45.93	54.30	38.57																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2028							0.00	1,516.01	669.29								80,678.06		65,048.26	29,374.86	44.27	52.53	37.11																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2029							0.00	1,470.92	570.42								25,341.24		60,526.84	25,185.60	43.58	51.82	36.39																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2030							0.00	1,493.45	651.88								33,297.40		63,590.33	30,292.93	44.56	52.67	37.49																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2031							0.00	1,572.61	614.39								54,714.74		65,095.68	30,278.43	45.28	53.47	38.14																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2032							0.00	2,277.42	298.92								84,716.39		103,849.40	19,133.01	48.96	54.35	44.21																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2033							0.00	2,387.43	136.27								106,233.63		106,233.63	7,351.76	47.36	52.52	42.86																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2034							0.00	2,436.17	128.88								98,423.88		105,299.59	6,875.70	46.10	50.82	42.02																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2035							0.00	2,532.35	158.89								91,818.66		100,151.08	8,340.42	45.99	50.48	42.08																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2036							0.00	2,284.71	232.09								96,979.88		112,000.00	15,020.12	49.74	53.77	45.71																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2037							0.00	2,171.42	269.13								84,933.63		96,537.52	14,184.49	48.02	52.21	44.34																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2038							0.00	2,200.73	249.93								96,177.98		104,055.04	13,607.06	49.70	53.77	46.13																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2039							0.00	2,266.78	247.23								93,372.25		107,123.01	13,750.75	49.88	53.74	46.51																							
DOEY 2024-IRP Core 111 ER2 Retire '32 -NG CC- PC	0	DOEY	KY Market	2040							0.00	2,114.00	246.62								88,418.57		102,694.84	14,276.27	51.25	54.91	48.07																							

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,484.10	28.16				2,893.00	6.00	10,770.93	16,027,804.34	42,462.59	416.35	2.68	947.40	20,070.55	63,897.23	43.05		63,897.23									49.30	73,161.61				0.00	9,264.38			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	1,275.50	43.29				3,590.00	9.00	10,808.68	24,659,131.88	64,117.99	924.03	2.64	1,456.20	32,165.37	98,663.56	46.36	37,196.83	135,860.41	98,663.57								47.03	107,010.09				0.00	-28,850.31			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.95	3,127.50	59.50				5,692.00	11.00	10,698.93	33,539,109.88	72,833.80	1,111.19	2.20	1,823.80	45,826.08	121,594.88	38.88	76,066.69	197,661.56	121,594.89								48.74	152,442.27				0.00	-45,219.30			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,533.10	67.23				5,928.00	11.00	10,619.80	37,599,029.50	84,153.38	1,606.05	2.28	1,870.00	23,564.55	111,193.97	31.47		111,193.97	111,193.98								47.47	167,700.85				0.00	56,515.88			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,366.30	63.87				5,668.00	8.00	10,623.09	35,817,375.13	81,971.32	1,334.74	2.33	1,393.60	23,088.42	107,788.13	32.02		107,788.13	107,788.13								45.84	154,313.19				0.00	46,525.06			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,256.80	61.96				5,623.00	9.00	10,646.91	34,738,844.88	83,703.31	1,167.85	2.44	1,607.40	23,093.47	109,572.02	33.64		109,572.02	109,572.03								45.67	148,744.23				0.00	39,172.20			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	3,220.20	61.27				5,527.00	7.00	10,641.24	34,316,683.00	83,492.54	1,478.10	2.48	1,464.80	23,506.70	109,942.14	34.14		109,942.14	109,942.14								46.41	149,462.69				0.00	39,520.54			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.30	3,221.70	61.30				5,467.00	6.00	10,630.42	34,290,700.19	84,567.97	1,154.19	2.50	1,125.60	24,137.17	110,984.92	34.45		110,984.92	110,984.90								48.44	156,043.93				0.00	45,060.01			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.55	0.07	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.59	0.07	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2024	1.00	94.00	63.83	80.50	347.58	44.89				4,040.00	66.00	14,867.32	5,169,012.28	11,490.95			232.07	2.27	389.40		12,112.42		12,112.42								34.85		12,112.42				43.88	15,251.67			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2025	1.00	94.00	63.83	50.83	43.68	5.66				493.00	27.00	14,766.56	645,526.08	2,344.94	36.37	3.69	164.70		2,546.01		58.29		2,546.01								52.09	2,571.04				0.00	205.03			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2026	1.00	94.00	63.83	80.24	22.56	2.92				251.00	12.00	14,731.69	332,628.46	1,426.39	12.07	4.32	74.40		1,512.87		67.05		1,512.87								73.18	1,650.98				0.00	138.11			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2027	1.00	94.00	63.83	79.58	18.21	2.36				202.00	7.00	14,737.37	268,529.18	1,089.82	2.20	4.07	44.80		1,136.82		62.42		1,136.82								83.33	1,220.24				0.00	47.67			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2028	1.00	94.00	63.83	79.99	10.03	1.30				119.00	7.00	14,903.47	149,673.54	573.65	15.06	3.93	46.20		634.91		63.28		634.91								68.01	682.32				0.00	47.42			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2029	1.00	94.00	63.83	77.61	17.97	2.33				211.00	8.00	14,898.32	267,935.48	951.49	12.46	3.60	53.60		1,017.54		56.62		1,017.54								59.45	1,068.41				0.00	50.86			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2030	1.00	94.00	63.83	77.70	33.91	4.39				389.00	13.00	14,819.14	502,760.52	1,889.50	27.46	3.81	89.70		2,006.66		59.18		2,006.66								58.73	2,065.52				0.00	107.98			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2031	1.00	94.00	63.83	30.87	4.00	0.50				356.00	13.00	14,828.51	457,999.35	1,836.73	31.71	4.08	92.30		1,960.74		63.52		1,960.74								66.84	2,063.07				0.00	102.33			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2032	1.00	94.00	63.83	26.16	3.38					289.00	5.00	14,709.87	384,885.87	1,707.95	14.23	4.47	36.00		1,758.19		67.21		1,758.19								70.20	1,836.31				0.00	78.13			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2033	1.00	94.00	63.83	79.44																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2034	1.00	94.00	63.83	78.53																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2035	1.00	94.00	63.83	77.44																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2036	1.00	94.00	63.83	78.37																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2037	1.00	94.00	63.83	78.09																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2038	1.00	94.00	63.83	78.12																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2039	1.00	94.00	63.83	77.74																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2040	1.00	94.00	63.83	77.81																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2024	1.00	94.00	64.70	73.17	351.85	45.88				4,121.00	58.00	14,888.76	5,239,873.86	11,646.00	240.19	2.27	342.20		12,228.39		34.75		12,228.39									44.20	15,553.16				0.00	3,324.78			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2025	1.00	94.00	64.70	75.98	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	176.90		2,896.24		58.27		2,896.24									62.78	3,120.33				0.00	224.09			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2026	1.00	94.00	64.70	91.70	26.05	3.41				294.00	13.00	14,769.38	385,015.31	1,611.48	17.05	4.23	80.60		1,709.14		65.61		1,709.14									71.99	1,875.43				0.00	166.29			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2027	1.00	94.00	64.70	91.45	24.47	3.20				279.00	12.00	14,805.94	362,508.89	1,652.05	13.77	4.04	76.80		1,542.62		63.05		1,542.62									67.15	1,643.00				0.00	100.38			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2028	1.00	94.00	64.70	91.58	9.88	1.29				119.00	7.00	14,847.66	147,844.84	567.04	14.76	3.94	46.20		628.00		63.56		628.00									68.02	672.14				0.00	44.14			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2029	1.00	94.00	64.70	85.59	17.85	2.33				211.00	8.00	14,918.56	266,419.59	946.28	12.21	3.60	53.60		1,012.09		56.71		1,012.09									59.41	1,060.26				0.00	48.17			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2030	1.00	94.00	64.70	85.59	47.94	6.27				545.00	15.00	14,796.36	709,622.77	2,563.55	26.94	3.65	103.50		2,693.98		56.20		2,693.98									58.72	2,814.88				0.00	120.90			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2031	1.00	94.00	64.70	85.30	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10		1,812.03		64.06		1,812.03									67.50	1,909.34				0.00	97.32			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2032	1.00	94.00	64.70	85.39	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00		1,751.15		67.32		1,751.15									70.23	1,816.89				0.00	75.74			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2033	1.00	94.00	64.70	85.59																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2034	1.00	94.00	64.70	85.35																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2035	1.00	94.00	64.70	85.54																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2036	1.00	94.00	64.70	85.39																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2037	1.00	94.00	64.70	85.54																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2038	1.00	94.00	64.70	85.25																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2039	1.00	94.00	64.70	85.59																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 4	2040	1.00	94.00	64.70	85.29																																				
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2024	1.00	94.00	66.99	90.83	300.04	50.37				4,546.00	73.00	14,875.81	5,803,612.83	13,169.45	265.86	2.31	434.80		13,860.11		35.54		13,860.11									44.56	17,381.03				0.00	3,520.91			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2025	1.00	94.00	66.99	90.06	60.49	7.84				687.00	32.00	14,794.45	895,573.74	3,185.95	36.40	3.60	195.20		3,417.55		56.50		3,417.55									60.54	3,661.86				0.00	244.31			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2026	1.00	94.00	66.99	69.67	25.48	3.33				290.00	13.00	14,770.09	379,598.43	1,597.29	19.76	4.26	80.60		1,697.65		66.10		1,697.65									72.75	1,868.36				0.00	170.71			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2027	1.00	94.00	66.99	83.10	25.68	3.33				290.00	13.00	14,798.83	377,480.29	1,503.16	16.22	4.03	83.20		1,602.58		62.87		1,602.58									66.97	1,706.96				0.00	104.38			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2028	1.00	94.00	66.99	91.39	10.03	1.30				119.00	7.00	14,903.47	149,673.54	573.65	15.06	3.93	46.20		634.91		63.28		634.91									68.01	682.32				0.00	47.42			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2029	1.00	94.00	66.99	89.77	17.97	2.33				211.00	8.00	14,898.32	267,935.48	951.49	12.46	3.60	53.60		1,017.54		56.62		1,017.54									59.45	1,068.41				0.00	50.86			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2030	1.00	94.00	66.99	86.82	48.22	6.25				545.00	15.00	14,780.41	712,967.37	2,574.63	27.48	3.65	103.50		2,705.61		56.51		2,705.61									58.73	2,831.52				0.00	125.91			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2031	1.00	94.00	66.99	90.06	29.36	3.80				340.00	12.00	14,839.47	435,998.20	1,736.36	31.71	4.06	85.20		1,853.26		63.11		1,853.26									66.57	1,954.76				0.00	101.49			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2032	1.00	94.00	66.99	90.14	26.16	3.38				289.00	5.00	14,709.87	384,885.87	1,707.95	14.23	4.47	36.00		1,758.19		67.21		1,758.19									70.20	1,836.31				0.00	78.13			
DEKY 2024 IRP Core 111 ISE Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 5	2033	1.00	94.00

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,645,253.90	205.30	2,217.17		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	640.16	0.08	0.86	413.85	0.28
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,041.81	0.13	1.40	2.50	0.00
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,531,261.16	205.30	2,224.80		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	953.26	0.08	0.84	920.18	0.40
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,602.84	0.13	1.41	3.85	0.00
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,442,789.56	205.30	2,201.62		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,325.20	0.08	0.85	1,105.96	0.35
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,180.04	0.13	1.39	5.23	0.00
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,859,540.69	205.30	2,184.79		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,465.45	0.08	0.83	1,600.19	0.45
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,443.94	0.13	1.38	5.87	0.00
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,676,653.94	205.30	2,184.39		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,414.13	0.08	0.84	1,329.15	0.39
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,328.13	0.13	1.38	5.59	0.00
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,565,942.56	205.30	2,189.84		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,381.69	0.08	0.85	1,162.43	0.36
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,258.03	0.13	1.39	5.42	0.00
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,522,607.77	205.30	2,187.82		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,336.76	0.08	0.83	1,472.75	0.46
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	2,230.59	0.13	1.39	5.35	0.00
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,519,940.70	205.30	2,185.14		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,366.90	0.08	0.85	1,148.84	0.36
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	2,228.90	0.13	1.38	5.35	0.00
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2032	CO2	853,863.36	120.00	782.22		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2032	NOx	56.76	0.01	0.05	82.90	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2033	CO2	812,998.90	120.00	781.42		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2033	NOx	54.10	0.01	0.05	74.98	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2034	CO2	796,258.02	120.00	779.51		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2034	NOx	53.12	0.01	0.05	87.30	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2035	CO2	856,304.41	120.00	779.26		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2035	NOx	57.14	0.01	0.05	84.12	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2036	CO2	857,533.17	120.00	776.41		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2036	NOx	57.43	0.01	0.05	89.35	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2037	CO2	841,278.55	120.00	775.15		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2037	NOx	56.44	0.01	0.05	85.41	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2038	CO2	833,341.66	120.00	775.92		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2038	NOx	55.85	0.01	0.05	90.46	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	819,161.31	120.00	777.96		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	54.75	0.01	0.05	83.33	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	854,494.32	120.00	778.33		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	57.09	0.01	0.05	84.69	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2032	CO2	28,629.94	120.00	1,063.27		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2032	NOx	1.40	0.01	0.05	2.35	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2033	CO2	26,841.75	120.00	1,053.68		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2033	NOx	1.32	0.01	0.05	2.78	0.05
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2034	CO2	27,582.55	120.00	1,052.59		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2034	NOx	1.36	0.01	0.05	2.99	0.06
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2035	CO2	27,313.32	120.00	1,056.82		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2035	NOx	1.34	0.01	0.05	2.69	0.05
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2036	CO2	28,562.97	120.00	1,058.28		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2036	NOx	1.40	0.01	0.05	2.31	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2037	CO2	28,228.00	120.00	1,059.61		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2037	NOx	1.39	0.01	0.05	2.18	0.04

DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2038	CO2	28,503.29	120.00	1,056.19		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2038	NOx	1.40	0.01	0.05	2.56	0.05
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	28,252.44	120.00	1,057.98		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	1.39	0.01	0.05	2.40	0.05
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	28,290.34	120.00	1,059.00		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	1.39	0.01	0.05	2.20	0.04
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	260,371.87	117.00	1,760.14		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	264.82	0.12	1.79	283.07	0.96
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,236.32	117.00	1,730.33		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.60	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	40,065.12	117.00	1,732.70		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	40.75	0.12	1.76	26.93	0.58
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	329,560.54	117.00	1,743.26		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	335.19	0.12	1.77	259.08	0.69
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	41,798.90	117.00	1,725.12		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	42.51	0.12	1.75	31.25	0.64
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,045.78	117.00	1,729.49		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.42	0.12	1.76	19.76	0.78
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	17,140.71	117.00	1,729.72		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	17.43	0.12	1.76	16.21	0.82
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	33,510.09	117.00	1,731.70		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	34.08	0.12	1.76	27.47	0.71
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	21,469.15	117.00	1,727.34		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	21.84	0.12	1.76	16.81	0.68
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	302,387.07	117.00	1,739.94		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	307.56	0.12	1.77	232.07	0.67
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	37,763.27	117.00	1,729.21		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	38.41	0.12	1.76	36.37	0.83
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	19,458.76	117.00	1,724.91		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	19.79	0.12	1.75	12.07	0.54
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	15,708.95	117.00	1,725.22		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	15.98	0.12	1.75	2.20	0.12
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	29,411.48	117.00	1,734.78		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	29.91	0.12	1.76	27.46	0.81
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	306,532.46	117.00	1,742.39		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	311.77	0.12	1.77	240.19	0.68
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	42,959.27	117.00	1,728.64		

DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	41,512.92	117.00	1,731.94		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	42.22	0.12	1.76	26.94	0.56
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	339,511.18	117.00	1,740.92		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	345.31	0.12	1.77	265.86	0.68
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	345,297.45	117.00	1,740.39		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	351.20	0.12	1.77	265.87	0.67
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	25,505.89	117.00	1,737.22		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	25.94	0.12	1.77	31.71	1.08
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 Retire '32 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	22.90	0.12	1.75	14.23	0.54

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2032	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,259,705.63
DEKY 2024	0	2032	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	128,131.55
DEKY 2024	0	2035	DEKY	KY Core	Proj New S	1.00	1.00	50.00	108,372.84
DEKY 2024	0	2036	DEKY	KY Core	Proj New S	2.00	3.00	150.00	219,185.06
DEKY 2024	0	2037	DEKY	KY Core	Proj New S	1.00	4.00	200.00	110,849.59
DEKY 2024	0	2040	DEKY	KY Core	Proj New S	1.00	5.00	250.00	114,730.42

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2024	807.91	807.65	1,183.33		9.95	60.45	888.04	4,288.50	5,051.28	1,564.18	1,779.60	147,086.15	28,033.00	38.95	40.70	147,066.17			52,932.98	51,092.07	39.39	48.49	31.44	0.88	0.88	3.88	0.00	0.00	0.00	0.00				807.65	807.65	807.47							17.63			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2025	809.57	809.57	1,183.00		9.67	60.45	887.86	4,284.00	496.52	2,413.05	2,367.26	107,600.79	14,964.12	45.45	44.42	107,600.80			27,245.93	94,965.16	43.51	52.01	35.43	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.57	808.57	808.57							17.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2026	812.17	812.17	1,183.19		9.38	60.19	887.58	4,282.49	594.77	1,538.52	1,338.74	113,968.12	40,646.01	34.14	44.67	113,968.14			26,518.18	63,182.59	43.58	51.82	36.39	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44							17.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2027	811.91	811.91	1,183.13		9.13	60.24	887.67	4,284.73	751.19	1,289.44	1,646.48	117,784.02	38,710.01	32.30	47.10	117,764.95			25,085.62	60,412.17	45.93	54.30	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.91	808.22	808.22							17.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2028	812.09	812.09	1,183.19		9.30	60.15	887.58	4,290.55	613.81	1,458.83	1,447.53	112,399.39	45,091.45	32.60	45.42	112,399.40			25,781.90	63,162.65	44.27	52.53	37.11	0.50	0.50	0.50	0.00	0.00	0.00	0.00				812.09	808.36	808.36							17.63			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2029	812.17	812.17	1,183.19		9.28	60.19	887.58	4,292.49	594.77	1,538.52	1,338.74	113,968.12	40,646.01	34.14	44.67	113,968.14			26,518.18	63,182.59	43.58	51.82	36.39	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44							17.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	539.06	1,746.17	1,155.49	129,379.48	27,269.18	41.00	45.66	129,379.51			27,492.87	70,029.15	44.56	52.67	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00				821.92	820.92	820.92							17.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2031	831.22	831.22	1,183.19		6.76	60.12	887.39	4,380.82	658.03	1,544.42	1,559.42	130,014.20	21,307.27	42.82	49.81	130,014.40			26,845.32	72,177.45	46.96	54.35	44.21	0.23	0.23	0.23	0.00	0.00	0.00	0.00				831.22	827.49	827.49	1,892.77	7,410.45					17.63			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2032	838.32	838.32	1,183.19		5.85	59.92	887.39	4,400.48	385.35	1,897.69	2,888.14	129,283.58	16,267.29	44.76	48.13	129,283.59			18,338.95	84,597.64	47.36	52.52	42.86	0.19	0.19	0.19	0.00	0.00	0.00	0.00				838.32	834.59	834.59	23,681.20						17.54			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,420.26	285.44	2,380.92	2,324.77	108,535.51	10,275.57	46.69	46.82	108,535.53			14,053.53	102,204.04	46.10	50.82	42.02	0.17	0.17	0.17	0.00	0.00	0.00	0.00				843.73	840.00	840.00	96,823.18						17.57			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,514.78	172.06	3,306.74	1,150.10	67,366.81	3,501.07	50.65	46.66	67,366.84			8,937.71	149,104.38	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00				861.89	858.16	858.16	203,993.91						17.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2036	882.06	882.06	1,183.19		0.60	59.24	887.39	4,577.21	163.16	3,567.67	1,572.70	85,560.96	2,094.35	54.41	48.73	85,560.96			8,896.64	144,306.19	48.02	52.21	44.34	0.14	0.14	0.14	0.00	0.00	0.00	0.00				882.06	878.23	878.23	154,673.43						17.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2037	891.68	891.68	1,183.19		-0.48	58.93	887.39	4,602.93	139.48	3,485.12	1,257.30	71,680.43	932.73	57.01	50.40	71,680.46			7,933.18	167,288.59	49.70	53.77	46.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00				891.68	887.95	887.95	160,109.08						17.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2038	901.87	901.87	1,490.45		0.15	58.60	901.22	4,620.70	279.58	2,139.14	2,770.15	59,474.35	89,370.55	21.47	50.52	59,474.63			15,556.36	100,642.85	49.88	53.74	46.51	0.16	0.16	0.16	0.00	0.00	0.00	0.00				901.87	862.64	862.64	195,246.97	162,878.35		19.04	0.84	1,269.60			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Core	2040	909.62	909.62	1,490.45		-0.70	58.53	901.12	4,676.65	251.47	2,336.61	2,823.52	66,699.67	80,562.78	23.64	51.89	66,700.95			14,556.58	101,906.84	51.25	54.91	48.07	0.17	0.17	0.17	0.00	0.00	0.00	0.00				909.62	872.76	872.76	122,061.94	166,280.03		25.60	1.11	1,265.92			
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2024								0.00	1,414.35	496.10	0.00	0.00					641.91		94,965.13	27,245.90	43.15	52.01	35.43																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2025								0.00	1,414.35	496.10	0.00	0.00					67,719.23		94,965.13	27,245.90	43.15	52.01	35.43																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2026								0.00	1,764.40	581.38	0.00	0.00					43,672.14		73,743.18	30,071.04	43.32	53.79	37.89																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2027								0.00	1,764.40	581.38	0.00	0.00					43,672.14		73,743.18	30,071.04	43.32	53.79	37.89																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2028								0.00	1,458.84	653.83	0.00	0.00					25,380.75		63,162.64	25,782.90	44.27	52.53	37.11																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2029								0.00	1,538.52	594.77	0.00	0.00					36,664.42		63,182.59	26,518.18	43.58	51.82	36.39																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2030								0.00	1,746.17	539.06	0.00	0.00					42,126.28		70,029.15	27,492.88	44.56	52.67	37.49																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2031								0.00	1,869.18	461.74	0.00	0.00					53,800.36		77,241.93	23,441.56	45.28	53.47	38.14																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2032								0.00	2,888.14	385.35	0.00	0.00					84,597.64		18,338.95	18,338.95	47.36	52.52	42.86																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2033								0.00	2,897.69	385.35	0.00	0.00					66,258.70		84,597.64	18,338.95	47.36	52.52	42.86																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2034								0.00	2,380.92	285.44	0.00	0.00					88,150.51		102,204.03	14,053.52	46.10	50.82	42.02																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2035								0.00	3,306.74	172.06	0.00	0.00					140,256.66		149,104.37	8,937.70	49.99	50.48	42.08																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2036								0.00	3,072.10	155.98	0.00	0.00					127,252.93		135,485.56	8,232.63	46.74	51.27	42.78																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2037								0.00	3,485.12	139.48	0.00	0.00					159,355.41		167,288.59	7,933.18	49.70	53.77	46.13																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2038								0.00	3,485.12	139.48	0.00	0.00					159,355.41		167,288.59	7,933.18	49.70	53.77	46.13																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2039								0.00	2,139.14	279.58	0.00	0.00					85,086.29		100,642.84	15,556.55	49.88	53.74	46.51																									
DEFF 2024-RIP Core 1(1) E92 DFO '30 - NG CC - PC	0	DEFF	KY Market	2040								0.00	2,336.61	251.47	0.00	0.00					87,440.25		101,906.84	14,556.58	51.25	54.91	48.07																									

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,589.20	30.15				3,782.00	8.00	11,087.45	17,677,053.67	45,646.12	843.08	2.62	1,263.20	21,842.85	69,395.25	43.67		69,395.25	69,395.25								48.70	77,393.59				7,998.34			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2025	1.00	600.00	498.96	63.29	2,031.40	38.65				4,469.00	9.00	10,967.94	22,344,264.38	58,257.93	652.95	2.64	1,456.20	28,909.86	89,276.95	43.95	32,574.08	121,851.03	89,276.93								50.23	102,035.33				-19,815.69			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	2,938.30	55.90				5,818.00	8.00	10,821.82	31,814,629.94	69,093.02	1,131.84	2.20	1,326.40	45,306.85	114,858.11	39.09	76,066.69	190,924.80	114,858.11								49.15	144,410.74				-46,514.06			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,484.50	66.30				5,855.00	7.00	10,622.64	37,064,342.88	82,604.50	1,483.88	2.27	1,360.00	23,245.11	108,693.50	31.19		108,693.50	108,693.51								47.64	165,993.80				-57,300.31			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,371.60	63.97				5,746.00	8.00	10,638.54	35,925,784.75	82,319.26	1,637.17	2.34	1,567.80	23,163.88	108,688.11	32.24		108,688.11	108,688.10								45.29	152,691.57				-44,003.46			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,222.00	61.30				5,630.00	8.00	10,667.20	34,426,591.50	82,796.46	1,229.53	2.44	1,428.80	22,885.61	108,340.40	33.63		108,340.40	108,340.40								45.91	147,915.67				-39,575.26			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	2,866.70	54.54				5,557.00	7.00	10,902.13	31,302,893.59	90,366.51	1,147.44	2.92	1,281.70	21,304.46	114,100.10	39.80	113,334.69	227,434.79	114,100.11								48.80	139,888.53				-87,546.26			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2031	1.00	600.00	498.96	66.03	2,768.50	52.67				5,425.00	8.00	10,916.27	30,278,579.50	90,598.60	1,023.12	3.03	1,688.40	21,184.54	114,494.67	41.36	17,228.00	131,722.66	114,494.68								49.38	136,718.70				4,996.04			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,335.90	63.30				5,749.00	9.00	10,757.77	35,950,847.69	110,842.71	1,554.80	3.13	1,730.70	25,804.78	139,932.38	41.95	17,228.00	157,160.98	139,932.97								50.94	169,930.96				-12,769.98			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2033	1.00	600.00	498.96	66.30	2,870.60	54.62				5,186.00	9.00	10,813.62	31,105,572.49	103,295.45	1,179.38	3.36	1,773.90	23,034.86	129,283.58	45.04	17,228.00	146,511.58	129,283.57								50.41	144,712.61				-1,798.97			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2034	1.00	600.00	498.96	66.03	2,307.20	43.90				4,337.00	6.00	10,862.73	25,105,155.75	87,271.32	866.61	3.51	1,212.60	19,184.98	108,535.51	47.04	17,228.00	125,763.51	108,535.51								51.14	118,001.27				-7,762.24			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2035	1.00	600.00	498.96	66.03	1,312.50	24.97				2,635.00	5.00	10,948.54	14,405,503.63	54,901.78	73.44	3.82	1,035.50	11,356.09	67,366.81	51.33	109,478.00	176,844.81	67,366.82								53.38	70,063.10				-106,781.71			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2036	1.00	600.00	498.96	66.39	1,637.00	30.87				3,435.00	8.00	11,018.08	17,983,301.19	69,175.26	526.25	3.88	1,910.70	14,620.39	86,232.60	53.00	17,228.00	103,460.60	86,232.60								54.47	88,630.41				-14,830.19			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2037	1.00	600.00	498.96	66.30	1,555.10	29.59				3,311.00	6.00	11,030.08	17,195,537.13	69,491.72	350.33	4.06	1,305.60	14,418.28	85,565.94	55.02	17,228.00	102,793.94	85,565.94								55.84	86,832.29				-15,961.64			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2038	1.00	600.00	498.96	66.03	1,239.70	23.59				2,487.00	10.00	10,947.54	13,642,760.44	57,479.77	241.33	4.23	2,230.00	11,729.33	71,680.43	57.82	17,228.00	88,908.43	71,680.44								57.89	71,766.62				-17,141.81			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK	2040	1.00	599.10	455.91	51.39	2,157.48	42.01			125.00	4,203.15	44.91	6,442.31	13,992,601.50	77,834.97	81.66	5.57		8,551.47	86,468.10	40.08	56,531.04	142,999.14	86,468.75		5.61			657.05				54.89	118,418.92	5.15			-24,571.07			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK	2040	1.00	599.10	455.91	91.33	2,206.53	42.85			132.00	4,128.98	42.01	6,445.40	14,309,335.44	85,143.03	84.69	5.96		8,964.51	94,192.24	42.69	57,944.31	152,136.55	94,192.89		8.32	0.42	651.06				56.31	124,245.25	8.25			-27,883.05			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DIF	2039	1.00	64.80	46.37	91.45	52.23	9.74			59.00	1,159.39	283.62	8,818.14	460,560.99	2,547.13	2.22	5.54		100.79	2,650.14	50.74		2,650.14	2,650.21		13.43	0.84	52.32				63.22	3,301.75	39.59			681.20			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DIF	2040	1.00	64.80	46.37	91.40	53.88	10.02			40.00	1,200.87	299.44	8,828.51	475,700.31	2,821.21	2.20	5.94		106.58	2,930.00	54.38		2,930.00	2,930.07		17.27	0.69	53.76				64.94	3,499.28	33.06			602.33			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2024	1.00	94.00	57.92	80.30	500.84	39.23				3,668.00	71.00	15,014.35	4,518,392.35	11,110.38	272.57	2.52	418.90	0.00	11,801.85	39.23		11,801.85	11,801.85								47.63	14,328.34				-2,526.49			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2025	1.00	94.00	57.92	74.36	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	176.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.33				224.09			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2026	1.00	94.00	57.92	89.89	26.05	3.41				294.00	13.00	14,769.38	385,015.31	1,611.48	17.05	4.23	80.60	0.00	1,709.14	65.61		1,709.14	1,709.14								71.99	1,875.43				166.29			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2027	1.00	94.00	57.92	89.99	20.88	2.73				233.00	9.00	14,753.09	308,177.02	1,256.97	4.87	4.09	57.60	0.00	1,319.44	63.19		1,319.44	1,319.44								66.35	1,385.30				65.86			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2028	1.00	94.00	57.92	90.02	9.88	1.29				119.00	7.00	14,947.66	147,844.84	507.04	14.76	3.94	46.20	0.00	628.00	63.56		628.00	628.00								68.02	672.14				44.14			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2029	1.00	94.00	57.92	86.11	17.85	2.33				211.00	8.00	14,918.56	266,419.59	946.28	12.21	3.60	53.60	0.00	1,012.09	56.71		1,012.09	1,012.09								59.41	1,060.26				48.17			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2030	1.00	94.00	57.92	84.95	14.00	1.83				503.00	14.00	14,812.68	651,903.84	2,301.38	26.93	3.57	96.60	0.00	2,424.91	55.12		2,424.91	2,424.91								57.34	2,522.46				97.55			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2031	1.00	94.00	57.92	86.21	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10	0.00	1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				97.32			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2032	1.00	94.00	57.92	85.76	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00	0.00	1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89				75.74			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2033	1.00	94.00	57.92	86.01																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2034	1.00	94.00	57.92	85.31																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2035	1.00	94.00	57.92	84.76																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2036	1.00	94.00	57.92	85.80																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2037	1.00	94.00	57.92	85.51																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2038	1.00	94.00	57.92	85.86																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2039	1.00	94.00	57.92	85.31																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2040	1.00	94.00	57.92	86.06																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2024	1.00	94.00	67.62	87.93	369.66	47.75				4,377.00	70.00	14,925.63	5,519,357.72	12,617.16	272.21	2.34	413.00	0.00	13,302.38	35.98		13,302.38	13,302.38								44.35	16,391.37				3,092.99			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2025	1.00	94.00	67.62	72.97	49.50	6.41				553.00	28.00	14,739.57	730,181.83	2,675.11	33.81	3.71	170.80	0.00	2,879.72	58.18		2,879.72	2,879.72								62.79	3,108.08				228.36			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2026	1.00	94.00	67.62	87.85	25.68	3.33				290.00	13.00	14,770.09	379,598.43	1,597.29	19.76	4.26	80.60	0.00	1,697.65	66.10		1,697.65	1,697.65								72.75	1,868.36				170.71			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2027	1.00	94.00	67.62	87.78	25.49	3.30				290.00	13.00	14,798.83	377,480.29	1,503.16	16.22	4.03	83.20	0.00	1,602.58	62.87		1,602.58	1,602.58								66.97	1,706.96				104.38			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2028	1.00	94.00	67.62	88.47	25.49	3.30				290.00	13.00	14,798.83	377,480.29	1,503.16	16.22	4.03	83.20	0.00	1,602.58	62.87		1,602.58	1,602.58								68.01	1,706.96				104.38			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2029	1.00	94.00	67.62	89.09	10.03	1.30				119.00	7.00	14,903.47	149,673.54	573.65	15.06	3.93	46.20	0.00	634.91	63.28		634.91	634.91								68.01	683.32				47.42			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2030	1.00	94.00	67.62	88.47	17.97	2.33				211.00	8.00	14,898.32	267,935.48	951.49	12.46	3.60	53.60	0.00	1,017.54	56.62		1,017.54	1,017.54								59.45	1,068.41				50.86			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2031	1.00	94.00	67.62	88.61	30.87	4.00				356.00	13.00	14,828.51	457,999.35	1,836.73	31.71	4.08	92.30	0.00	1,960.74	63.52		1,960.74	1,960.74								66.84	2,063.07				102.33			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2032	1.00	94.00	67.62	88.47	26.16	3.38				289.00	5.00	14,709.87	384,885.87	1,707.95	14.23	4.47	36.00	0.00	1,758.19	67.21		1,758.19	1,758.19								70.20	1,836.31				78.13			
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2033	1.00	94.00	67.62	84.52																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2034	1.00	94.00	67.62	85.17																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2035	1.00	94.00	67.62	85.12																																				
DEKY 2024 RP Core 111 E82 DFO '30 - NS.CC - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2036	1.00	94.00

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,808,710.82	204.64	2,276.25		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	665.62	0.08	0.84	640.33	0.40
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,145.31	0.13	1.44	2.75	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,287,070.07	204.71	2,251.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	866.61	0.08	0.85	649.47	0.32
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,448.22	0.13	1.43	3.48	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,264,038.92	204.93	2,221.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,238.21	0.08	0.84	1,126.88	0.38
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,066.85	0.13	1.41	4.96	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,799,546.30	205.02	2,180.83		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,454.35	0.08	0.83	1,478.11	0.42
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,405.95	0.13	1.38	5.77	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,681,943.32	204.97	2,184.09		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,389.02	0.08	0.82	1,631.58	0.48
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,331.48	0.13	1.38	5.60	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,528,051.13	204.96	2,189.98		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,360.19	0.08	0.84	1,224.17	0.38
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,234.03	0.13	1.39	5.36	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	2,544,645.51	162.58	1,775.31		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,205.12	0.08	0.84	1,145.00	0.40
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	1,015.73	0.06	0.71	2.44	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	2,461,191.68	162.57	1,778.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,171.57	0.08	0.85	1,020.77	0.37
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	982.21	0.06	0.71	2.36	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	2,922,336.02	162.57	1,752.05		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,382.40	0.08	0.83	1,552.00	0.47
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	1,166.32	0.06	0.70	2.80	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	2,528,294.79	162.56	1,761.51		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,206.10	0.08	0.84	1,176.92	0.41
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	1,008.85	0.06	0.70	2.46	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	2,040,766.23	162.58	1,769.04		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	978.14	0.08	0.85	864.60	0.37
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	814.53	0.06	0.71	2.02	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	1,170,768.97	162.54	1,784.03		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	593.23	0.08	0.90	72.26	0.06
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	467.02	0.06	0.71	1.18	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	1,461,278.55	162.52	1,796.29		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	698.98	0.08	0.86	524.76	0.32
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	SO2	582.61	0.06	0.72	1.49	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	1,397,516.94	162.54	1,797.33		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	681.49	0.08	0.88	348.88	0.22
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	SO2	557.47	0.06	0.72	1.45	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	1,107,981.03	162.43	1,787.50		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	546.78	0.08	0.88	240.16	0.19
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	SO2	441.08	0.06	0.71	1.17	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	839,556.22	120.00	778.27		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	56.09	0.01	0.05	81.66	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	858,560.23	120.00	778.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	57.37	0.01	0.05	84.69	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	27,633.66	120.00	1,058.18		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	1.36	0.01	0.05	2.22	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	28,542.02	120.00	1,059.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	1.40	0.01	0.05	2.20	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	264,325.88	117.00	1,757.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	268.84	0.12	1.79	272.57	0.91

DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	22,523.39	117.00	1,729.24	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	18,028.35	117.00	1,726.94	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	18.34	0.12	1.76	4.87	0.23
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	38,136.37	117.00	1,733.87	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	38.79	0.12	1.76	26.93	0.61
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	24,563.82	117.00	1,736.82	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	322,882.29	117.00	1,746.76	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	328.40	0.12	1.78	272.21	0.74
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	42,715.63	117.00	1,725.92	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	43.45	0.12	1.76	33.81	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,206.50	117.00	1,729.34	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	22,082.59	117.00	1,732.72	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	8,755.90	117.00	1,745.42	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	15,674.22	117.00	1,744.20	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	37,200.25	117.00	1,726.39	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	37.84	0.12	1.76	14.87	0.34
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	23,736.20	117.00	1,736.88	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	24.14	0.12	1.77	28.55	1.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	22,515.82	117.00	1,721.52	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	313,683.49	117.00	1,743.97	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	319.05	0.12	1.77	214.72	0.60
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	41,728.47	117.00	1,725.07	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	42.44	0.12	1.75	31.05	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	19,458.76	117.00	1,724.91	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	19.79	0.12	1.75	12.07	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	20,715.16	117.00	1,734.14	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	21.07	0.12	1.76	16.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	7,388.47	117.00	1,751.86	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	7.51	0.12	1.78	15.05	1.78
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	11,232.63	117.00	1,737.05	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	11.42	0.12	1.77	0.02	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	38,613.90	117.00	1,730.25	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	39.27	0.12	1.76	27.48	0.62
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	26,792.96	117.00	1,735.97	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	16,729.54	117.00	1,725.58	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	17.02	0.12	1.76	14.22	0.73
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	304,442.97	117.00	1,742.62	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	309.65	0.12	1.77	240.18	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	42,959.27	117.00	1,728.64	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	22,523.39	117.00	1,729.24	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	20,061.86	117.00	1,733.51	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	20.40	0.12	1.76	13.76	0.59
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	8,648.92	117.00	1,750.62	
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	8.80	0.12	1.78	14.76	1.49

DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	37,295.59	117.00	1,733.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	37.93	0.12	1.76	26.93	0.63
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	339,511.18	117.00	1,740.92		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	345.31	0.12	1.77	265.86	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	347,226.21	117.00	1,740.22		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	353.16	0.12	1.77	265.88	0.67
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	12,700.68	117.00	1,743.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	12.92	0.12	1.77	12.45	0.85
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	22.90	0.12	1.75	14.23	0.54

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,418,111.25
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	144,243.84
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	5.00	5.00	250.00	566,943.63

Scenario	Run ID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2024	807.65	807.65	1,183.93		9.95	60.45	888.64	4,286.50	1,515.82	1,526.96	3,882.37	151,456.85	28,380.05	39.00	40.75	151,456.84		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2025	809.57	809.57	1,183.00		9.67	60.41	887.86	4,284.00	384.97	2,340.01	2,328.86	105,447.93	13,109.98	45.28	44.42	105,447.93		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2026	812.20	812.20	1,183.06		9.00	60.30	887.77	4,290.62	569.19	1,758.84	3,100.97	125,301.52	29,767.06	40.41	46.59	125,301.52		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	779.28	1,399.47	3,684.65	119,068.78	34,494.60	32.69	47.10	119,068.83		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2028	812.08	812.08	1,183.19		9.32	60.19	887.58	4,282.49	501.76	1,405.07	3,383.18	115,234.02	38,278.23	34.06	44.67	115,234.03		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2029	812.17	812.17	1,183.19		9.28	60.19	887.58	4,282.49	501.76	1,405.07	3,383.18	115,234.02	38,278.23	34.06	44.67	115,234.03		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	512.08	1,804.23	3,070.45	125,882.91	24,792.61	41.00	45.66	125,882.94		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2031	827.36	827.36	1,183.19		7.71	60.90	887.49	4,399.02	468.96	1,856.26	3,004.75	127,073.44	24,966.35	42.29	46.83	127,073.44		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2032	832.22	832.22	1,183.19		6.95	60.52	887.39	4,388.60	491.25	1,955.55	2,932.10	140,977.47	26,896.35	42.32	48.63	140,977.47		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2033	836.49	836.49	1,183.19		6.36	60.19	887.39	4,388.60	491.25	1,955.55	2,932.10	140,960.68	27,913.15	42.32	49.83	140,960.68		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,429.26	269.22	2,396.51	2,312.97	107,861.65	9,708.78	46.63	48.82	107,861.65		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,524.78	152.81	3,207.49	1,470.10	74,478.02	2,779.65	50.66	46.66	74,478.04		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2036	882.06	882.06	1,183.19		0.60	59.24	887.39	4,577.21	145.02	3,400.84	1,321.40	72,497.58	1,961.12	54.84	48.53	72,497.71		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2037	882.06	882.06	1,183.19		0.60	59.24	887.39	4,577.21	145.02	3,400.84	1,321.40	72,497.58	1,961.12	54.84	48.53	72,497.71		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2038	891.68	891.68	1,183.19		-0.48	58.93	887.39	4,602.93	149.31	3,452.84	1,299.40	72,714.94	3,134.10	55.96	50.40	72,714.98		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2039	901.87	901.87	1,107.55		-5.81	58.60	849.44	4,629.70	4.43	2,001.23	2,552.90	-118,998.67	247,293.21	-46.61	50.52	-121,709.94		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2040	909.62	909.62	1,207.55		-6.07	58.53	854.44	4,676.65	-6.48	1,923.58	2,759.55	-154,761.35	276,562.54	-48.83	51.89	-142,275.37	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2024							0.00	1,758.84	1,515.82	1,526.96	1,747.98						-1,279.61	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2025							0.00	2,340.01	384.97	2,340.01	384.97						71,736.23	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2026							0.00	1,758.84	569.19	1,758.84	569.19						44,845.49	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2027							0.00	1,399.47	779.38	1,399.47	779.38						28,237.20	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2028							0.00	1,475.29	656.67	1,405.07	656.67						35,291.56	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2029							0.00	1,475.29	656.67	1,405.07	656.67						35,291.56	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2030							0.00	1,804.23	512.08	1,804.23	512.08						46,509.44	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2031							0.00	1,804.26	468.96	1,856.26	468.96						50,298.62	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2032							0.00	1,501.53	603.79	1,955.55	603.79						38,880.05	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2033							0.00	1,848.55	391.21	1,955.55	391.21						62,838.35	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2034							0.00	2,269.22	269.22	2,396.51	269.22						107,861.65	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2035							0.00	3,207.49	152.81	3,207.49	152.81						133,866.85	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2036							0.00	3,136.47	154.04	3,400.84	154.04						130,203.79	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2037							0.00	3,400.84	145.02	3,400.84	145.02						148,971.62	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2038							0.00	3,452.84	149.31	3,452.84	149.31						156,119.30	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2039							0.00	1,848.23	4.43	2,001.23	4.43						164,576.52	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2040							0.00	1,923.58	6.48	1,923.58	6.48						105,361.02	

Scenario	Run ID	BA	Area	Year	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	UOLH (hours)	LDLE (days)	FLIE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2024	56,082.20	50,802.79	39.39	48.49	35.44	0.88	0.88	0.88	0.88	0.00	0.00	0.00	0.00				807.65	807.65	807.65									
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2025	20,305.21	92,031.44	43.15	52.01	35.43	0.55	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.57	808.57	808.57							17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2026	28,957.32	73,802.82	45.52	53.79	37.89	0.55	0.55	0.55	0.55	0.00	0.00	0.00	0.00				812.20	808.47	808.47							17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2027	25,984.75	64,201.95	49.93	54.30	38.57	0.55	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.22	808.22							17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2028	23,504.13	61,798.42	43.58	52.82	36.39	0.47	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.08	808.44	808.44							17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2029	23,504.13	61,798.42	43.58	52.82	36.39	0.47	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44							17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2030	25,207.93	73,717.37	44.56	52.67	37.49	0.41	0.41	0.41	0.41	0.00	0.00	0.00	0.00				821.92	820.92	820.92							17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2031	25,508.08	76,012.91	45.28	54.25	38.16	0.37	0.37	0.37	0.37	0.00	0.00	0.00	0.00				827.36	824.49	824.49	5,535.95						17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2032	31,150.98	76,012.91	46.28	54.25	38.16	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00				832.22	824.49	824.49	30,194.54						17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2033	31,150.98	81,583.11	47.36	52.52	42.02	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00				836.49	824.49	824.49	188,653.55						17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2034	14,153.18	103,544.36	46.10	50.82	42.02	0.17	0.17	0.17	0.17	0.00	0.00	0.00	0.00				843.73	840.00	840.00	503,243.69						17.57		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2035	7,861.76	141,728.61	45.99	50.48	42.08	0.12	0.12	0.12	0.12	0.00	0.00	0.00	0.00				861.89	858.16	858.16	811,482.12						17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2036	8,108.23	156,709.36	48.02	52.21	44.34	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00				882.06	878.33	878.33	893,899.35						17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2037	8,108.23	156,709.36	48.02	52.21	44.34	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00				882.06	878.33	878.33	893,899.35						17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2038	8,457.22	164,576.52	49.70	53.77	46.13	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00				891.68	887.95	887.95	787,252.90						17.60		
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2039	203.89	105,887.42	49.88	53.74	46.51	0.16	0.16	0.16	0.16	0.00	0.00	0.00	0.00				901.87	898.14	898.14	196,496.68	324,409.96				0.01		2,224.35	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Core	2040	438.78	101,301.02	51.25	54.91	48.07	0.17	0.17	0.17	0.17	0.00	0.00	0.00	0.00				909.62	887.12	887.12	190,582.77	346,863.37			0.06	0.28		2,437.30	
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2024	50,802.79	50,802.79	39.39	48.49	35.44																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2025	92,031.44	20,305.20	43.15	52.01	35.43																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2026	73,802.83	28,957.33	45.52	53.79	37.89																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2027	64,201.95	25,964.75	45.93	54.30	38.57																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2028	61,769.79	28,478.22	44.27	52.53	37.11																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2029	61,769.79	28,478.22	44.27	52.53	37.11																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2030	73,717.37	25,207.93	44.56	52.67	37.49																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2031	73,807.40	23,508.59	45.28	53.47	38.14																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2032	70,012.03	31,115.99	46.96	54.35	44.21																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2033	81,583.11	18,744.76	47.36	52.52	42.86																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2034	103,544.36	7,861.76	46.10	50.82	42.02																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2035	141,728.61	7,861.77	45.99	50.48	42.08																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2036	138,350.80	8,147.00	46.74	51.27	42.78																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2037	156,709.36	8,108.23	48.02	52.21	44.34																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2038	164,576.52	8,457.22	49.70	53.77	46.13																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2039	105,887.42	203.89	49.88	53.74	46.51																							
DOEV 2024 IRP Core 111 ER2 DFO 50 - NO SMR - PC	0	DOEV	KY-Market	2040	105,301.02	438.78	51.25	54.91	48.07																							

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2024	1.00	600.00	498.96	62.84	1,711.70	32.48				4,247.00	5.00	11,154.79	19,129,204.63	49,043.72	826.22	2.61	947.40	23,615.55	74,432.89	43.48	947.40	74,432.89	74,432.87								48.35	82,767.55				0.00	8,334.67			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2025	1.00	600.00	498.96	63.01	1,997.70	38.01				4,617.00	6.00	11,041.68	22,050,921.75	57,282.42	604.28	2.62	970.80	28,544.89	87,404.38	43.75	32,574.08	119,978.47	87,404.37								49.82	98,330.30				0.00	-21,649.17			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2026	1.00	600.00	498.96	67.67	2,933.30	55.81				5,783.00	10.00	10,816.13	31,798,062.75	69,153.75	1,223.12	2.21	1,823.80	43,219.65	115,420.32	39.35	76,066.69	191,487.01	115,420.32								48.88	143,392.37				0.00	-48,094.64			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2027	1.00	600.00	498.96	67.67	3,497.20	66.54				5,877.00	9.00	10,622.76	37,213,909.00	83,164.18	1,614.08	2.28	1,530.00	23,330.21	109,038.47	31.35		109,038.47	109,038.47								46.52	162,680.74				0.00	53,642.28			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2028	1.00	600.00	498.96	66.39	3,396.00	64.44				5,780.00	9.00	10,637.06	36,187,436.25	82,945.81	1,654.11	2.34	1,742.00	23,327.22	109,669.14	32.29		109,669.14	109,669.14								45.58	154,780.75				0.00	45,111.61			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2029	1.00	600.00	498.96	66.30	3,238.00	61.61				5,625.00	9.00	10,660.43	34,582,476.43	82,233.61	1,310.52	2.44	1,607.40	22,880.15	109,131.67	33.70		109,131.67	109,131.67								45.33	146,311.19				0.00	37,179.51			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2030	1.00	600.00	498.96	66.03	2,772.50	52.75				5,400.00	9.00	10,908.32	30,307,314.38	86,691.80	1,290.60	2.86	1,647.80	20,619.60	110,248.58	39.77	113,334.69	223,584.47	110,248.55								48.15	133,505.08				0.00	-90,079.60			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2031	1.00	600.00	498.96	65.39	2,848.00	54.17				5,244.00	9.00	10,931.51	31,123,016.25	88,997.15	1,325.00	3.14	1,691.40	21,172.80	113,186.35	39.74	17,228.00	130,414.35	113,186.35								47.51	135,353.72				0.00	5,167.37			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2032	1.00	600.00	498.96	66.39	3,206.00	61.57				5,713.00	9.00	10,756.90	35,746,656.06	102,847.22	1,543.01	3.14	1,546.10	25,667.13	139,403.46	43.51	17,228.00	156,631.46	139,403.48								50.61	167,969.76				0.00	16,338.29			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2033	1.00	600.00	498.96	66.30	2,925.60	55.66				5,306.00	7.00	10,818.36	31,699,955.00	104,591.18	1,301.29	3.34	1,576.80	23,489.41	130,960.68	44.76	17,228.00	148,188.68	130,960.67								50.63	148,132.95				0.00	-16,556.73			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2034	1.00	600.00	498.96	66.03	2,295.40	43.67				4,319.00	6.00	10,863.95	24,979,781.93	86,650.64	908.81	3.51	1,212.60	19,089.60	107,861.65	46.99	17,228.00	125,089.65	107,861.63								50.87	116,760.61				0.00	-8,329.03			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2035	1.00	600.00	498.96	66.03	1,452.50	27.64				3,045.00	7.00	11,008.11	16,039,046.63	59,942.65	431.62	3.76	1,449.70	12,654.05	74,478.02	51.28	106,478.00	183,956.02	74,478.03								52.64	76,452.90				0.00	-107,503.12			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2036	1.00	600.00	498.96	66.39	1,560.70	29.61				3,187.00	11.00	10,971.63	17,201,634.53	66,458.46	493.28	3.89	2,335.30	13,950.19	83,237.23	53.33	17,228.00	100,465.23	83,237.23								54.90	85,679.54				0.00	-14,786.69			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2037	1.00	600.00	498.96	66.30	1,303.80	24.81				2,688.00	10.00	10,984.81	14,393,092.59	58,054.59	240.95	4.05	2,176.00	12,026.14	72,497.68	55.60	17,228.00	89,725.68	72,497.69								56.43	73,570.80				0.00	-16,154.88			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Coal:Conventional	East Bend 2		2038	1.00	600.00	498.96	66.03	1,281.80	24.39				2,543.00	7.00	10,932.64	14,063,223.12	58,768.83	278.06	4.20	1,561.00	12,107.05	72,714.94	56.73	17,228.00	89,942.94	72,714.96								58.51	75,002.74				0.00	-14,940.21			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2024	1.00	14.03	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2025	1.00	14.06	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2026	1.00	14.09	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2027	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2028	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2029	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2030	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2031	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2032	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2033	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2034	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2035	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2036	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2037	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2038	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2039	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK		2040	1.00	14.12	0.11	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2024	1.00	9.63	0.07	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2025	1.00	9.70	0.07	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2026	1.00	9.76	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2027	1.00	9.83	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2028	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2029	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2030	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2031	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2032	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2033	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2034	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2035	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2036	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2037	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2038	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2039	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK		2040	1.00	9.89	0.08	100.00																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	New CT DEKY		2039	1.00	231.00	173.01	95.34	37.32	1.90				167.00	3.00	10,380.34	387,363.02	2,268.21	13.78	5.89	51.22	49.86	2,383.06	63.86	16,595.66	18,978.72	2,383.08								70.82	2,642.97		0.02		0.00	-16,335.71			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	New CT DEKY		2040	1.00	231.00	173.01	94.93	20.64	1.05			1.00	91.00	5.00	10,266.38	211,890.73	1,371.88	3.87	6.49	87.49	28.26	1,491.50	72.27	17,010.55	18,502.05	1,491.51			0.03	11.58		21.06			77.06	1,590.45		0.12		0.00	-16,911.48			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2024	1.00	94.00	57.92	81.05	314.80	41.05				1,828.00	72.00	15,005.97	4,725,406.43	11,523.95	279.49	2.50	424.80	0.00	12,228.24	38.84		12,228.24	12,228.25								47.61	14,986.11				0.00	2,757.87			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2025	1.00	94.00	57.92	74.17	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	176.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.33				0.00	-224.09			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2026	1.00	94.00	57.92	89.64	26.05	3.41				294.00	13.00	14,769.38	385,015.31	1,611.48	17.05	4.23	80.60	0.00	1,709.14	65.61		1,709.14	1,709.14								71.99	1,875.43				0.00	166.29			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2027	1.00	94.00	57.92	89.99	24.47	3.20				279.00	12.00	14,805.94	362,508.89	1,452.05	13.77	4.04	76.80	0.00	1,542.62	63.05		1,542.62	1,542.62								67.15	1,643.00				0.00	100.38			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2028	1.00	94.00	57.92	89.52	9.88	1.29				110.00	7.00	14,947.66	147,844.84	567.04	14.76	3.94	46.20	0.00	628.00	63.56		628.00	628.00								68.03	672.14				0.00	44.14			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2029	1.00	94.00	57.92	85.71	17.85	2.33				211.00	8.00	14,918.56	266,419.59	946.28	12.21	3.60	53.60	0.00	1,012.09	56.71		1,012.09	1,012.09								59.41	1,060.26				0.00	48.17			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2030	1.00	94.00	57.92	85.31	44.74	5.85				511.00	13.00	14,809.35	662,872.94	2,351.20	26.93	3.59	89.70	0.00	2,467.84	55.16		2,467.84	2,467.84								57.75	2,593.73				0.00	153.89			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2031	1.00	94.00	57.92	85.96	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10	0.00	1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				0.00	97.32			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2032	1.00	94.00	57.92	85.61	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00	0.00	1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89				0.00	75.74			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2033	1.00	94.00	57.92	85.61																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2034	1.00	94.00	57.92	85.01																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2035	1.00	94.00	57.92	85.16																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2036	1.00	94.00	57.92	85.90																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2037	1.00	94.00	57.92	85.56																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2038	1.00	94.00	57.92	85.51																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2039	1.00	94.00	57.92	85.06																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1		2040	1.00	94.00	57.92	86.35																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2024	1.00	94.00	67.62	88.06	370.90	47.90				4,370.00	67.00	14,913.30	5,532,051.17	12,386.32	254.29	2.28	395.30	0.00	13,035.91	35.15		13,035.91	13,035.91								43.82	16,254.61				0.00	3,218.70			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2025	1.00	94.00	67.62	72.67	50.54	6.55				566.00	29.00	14,745.91	745,852.49	2,722.99	36.38	3.70	176.90	0.00	2,936.27	58.10		2,936.27	2,936.27								62.68	3,147.61				0.00	211.34			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2026	1.00	94.00	67.62	88.16	27.19	3.52				306.00	14.00	14,761.48	401,599.59	1,671.77	19.77	4.21	86.80	0.00	1,778.34	65.41		1,778.34	1,778.34								71.70	1,949.25				0.00	170.91			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2027	1.00	94.00	67.62	87.63	25.49	3.30				290.00	13.00	14,798.83	377,480.29	1,503.16	16.22	4.03	83.20	0.00	1,602.58	62.87		1,602.58	1,602.58								66.97	1,706.96				0.00	104.38			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2028	1.00	94.00	67.62	87.80	10.03	1.30				119.00	7.00	14,903.47	149,673.54	573.65	15.06	3.93	46.20	0.00	634.91	63.28		634.91	634.91								68.01	682.32				0.00	47.42			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2029	1.00	94.00	67.62	85.71	17.85	2.33				211.00	8.00	14,898.32	267,935.48	951.49	12.46	3.60	53.60	0.00	1,017.54	56.62		1,017.54	1,017.54								59.45	1,068.41				0.00	50.86			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2030	1.00	94.00	67.62	85.31	44.74	5.85				511.00	13.00	14,818.51	657,999.35	1,836.73	31.71	4.08	92.30	0.00	1,960.74	63.52		1,960.74	1,960.74								58.73	2,831.52				0.00	125.91			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2031	1.00	94.00	67.62	85.96	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10	0.00	1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				0.00	97.32			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2032	1.00	94.00	67.62	85.61	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00	0.00	1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89				0.00	75.74			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2033	1.00	94.00	67.62	84.61																																		0.00	0.00			
DEKY 2024 RP Core 111 ISE DFO 30 - NS SMR - PC	0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2		2034	1.00	94.00	67.62	84.66																									

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,959,963.57	204.92	2,290.08		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	704.94	0.07	0.82	823.24	0.48
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,241.09	0.13	1.45	2.98	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,264,280.39	204.90	2,266.89		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	857.72	0.08	0.86	600.83	0.30
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,433.79	0.13	1.44	3.44	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,256,772.55	204.84	2,220.55		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,226.25	0.08	0.84	1,218.17	0.42
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,062.25	0.13	1.41	4.95	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,813,439.41	204.95	2,180.85		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,448.31	0.08	0.83	1,608.29	0.46
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,414.75	0.13	1.38	5.80	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,708,072.07	204.94	2,183.79		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,398.63	0.08	0.82	1,648.48	0.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,348.02	0.13	1.38	5.64	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,543,322.87	204.92	2,188.59		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,360.13	0.08	0.84	1,305.14	0.40
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,243.70	0.13	1.39	5.38	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	2,463,376.98	162.56	1,777.01		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,149.07	0.08	0.83	1,288.24	0.46
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	982.91	0.06	0.71	2.36	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	2,524,174.26	162.56	1,773.78		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,192.33	0.08	0.84	1,182.24	0.42
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	1,007.20	0.06	0.71	2.42	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	2,906,033.39	162.59	1,751.31		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,375.61	0.08	0.83	1,540.24	0.46
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	1,160.15	0.06	0.70	2.78	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	2,576,935.93	162.58	1,761.65		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,220.35	0.08	0.83	1,298.78	0.44
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	1,028.63	0.06	0.70	2.51	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	2,030,570.18	162.58	1,769.25		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	969.07	0.08	0.84	906.80	0.40
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	810.46	0.06	0.71	2.01	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	1,303,313.93	162.52	1,794.58		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	626.49	0.08	0.86	430.31	0.30
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	519.65	0.06	0.72	1.31	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	1,397,254.70	162.46	1,790.55		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	671.46	0.08	0.86	491.86	0.32
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	SO2	556.51	0.06	0.71	1.43	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	1,169,001.62	162.44	1,793.22		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	575.71	0.08	0.88	239.73	0.18
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	SO2	465.46	0.06	0.71	1.21	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	1,142,629.95	162.50	1,782.85		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	563.05	0.08	0.88	276.85	0.22
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	SO2	455.44	0.06	0.71	1.21	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2039	CO2	23,241.78	120.00	1,245.64		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2039	NOx	7.07	0.04	0.38	13.78	0.37
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2039	SO2	0.39	0.00	0.02		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2040	CO2	12,713.45	120.00	1,231.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2040	NOx	3.91	0.04	0.38	3.87	0.19
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2040	SO2	0.22	0.00	0.02		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	276,436.19	117.00	1,756.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	281.16	0.12	1.79	279.49	0.89
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		

DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	38,778.06	117.00	1,733.41		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	39.44	0.12	1.76	26.93	0.60
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	323,624.84	117.00	1,745.06		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	329.16	0.12	1.77	254.29	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	43,632.37	117.00	1,726.68		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	44.38	0.12	1.76	36.38	0.72
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	23,493.57	117.00	1,728.36		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	23.90	0.12	1.76	19.77	0.73
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	21,087.05	117.00	1,743.16		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	21.45	0.12	1.77	31.70	1.31
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	284,230.85	117.00	1,746.46		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	289.09	0.12	1.78	202.46	0.62
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	41,728.48	117.00	1,725.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	42.44	0.12	1.75	31.05	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	18,066.05	117.00	1,718.45		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	18.37	0.12	1.75	4.57	0.22
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	21,165.86	117.00	1,731.43		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	21.53	0.12	1.76	13.65	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	7,388.47	117.00	1,751.86		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	7.51	0.12	1.78	15.05	1.78
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	38,069.91	117.00	1,731.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	38.72	0.12	1.76	27.48	0.62
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	24,748.22	117.00	1,733.80		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	25.17	0.12	1.76	25.99	0.91
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	306,803.60	117.00	1,742.03		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	312.05	0.12	1.77	235.56	0.67
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,155.96	117.00	1,730.41		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.52	0.12	1.76	17.05	0.70
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	8.80	0.12	1.78	14.76	1.49

DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	41,512.92	117.00	1,731.94		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	42.22	0.12	1.76	26.94	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	339,511.19	117.00	1,740.92		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	345.31	0.12	1.77	265.86	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	48,370.35	117.00	1,734.05		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	49.20	0.12	1.76	36.39	0.65
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	40,862.27	117.00	1,729.40		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	41.56	0.12	1.76	25.12	0.53
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	348,508.36	117.00	1,740.09		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	354.47	0.12	1.77	265.88	0.66
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	51,474.32	117.00	1,731.71		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	52.35	0.12	1.76	33.83	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	21,739.93	117.00	1,720.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	22.11	0.12	1.75	12.06	0.48

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	2039	DEKY	KY Core	Proj New C	1.00	1.00	231.00	372,622.06
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	2039	DEKY	KY Core	Proj New N	1.00	1.00	300.00	4,436,417.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS SMR - PC	0	2040	DEKY	KY Core	Proj New S	2.00	2.00	100.00	229,460.84

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Dn Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2024	807.65	807.65	1,181.93		9.95	60.45	888.04	4,288.50	1,861.52	1,623.35	3,726.71	144,828.62	30,462.75	38.91	40.70	144,020.64			54,890.09	54,154.03	39.39	48.49	31.44	0.48	0.48	0.88	0.00	0.00	0.00	0.00				807.65	803.47	803.47										17.63
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2025	809.57	809.57	1,183.00		9.87	60.41	887.86	4,284.90	374.91	2,289.07	2,368.93	108,658.27	11,405.81	45.87	44.42	108,658.28			19,946.50	90,166.55	43.15	52.01	35.43	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.57	808.57	808.57										17.60
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2026	812.20	812.20	1,183.06		9.30	60.30	887.77	4,290.62	584.80	1,724.49	3,158.93	127,011.44	15,007.15	40.21	46.59	127,011.46			29,536.71	70,814.17	45.32	55.78	37.89	0.55	0.55	0.55	0.00	0.00	0.00	0.00				812.20	808.47	808.47										17.60
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,294.73	692.78	1,337.85	3,693.71	136,862.71	54,692.28	32.48	47.10	118,862.74			30,767.89	58,875.49	45.93	54.30	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.20	808.22										17.60
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2028	812.17	812.17	1,183.19		9.28	60.19	887.58	4,292.49	608.37	1,512.67	3,378.18	115,449.96	39,614.63	34.18	44.67	115,449.98			26,721.48	62,933.44	43.58	51.82	36.39	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44	2,510.21									17.60
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	504.59	1,744.47	3,122.71	117,176.53	23,492.72	40.73	45.66	117,176.56			24,440.52	72,956.21	44.56	52.67	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00				821.92	820.92	820.92	10,667.90									17.60
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2031	827.36	827.36	1,183.19		7.57	60.50	887.49	4,389.85	490.76	1,653.55	3,066.60	107,644.07	26,215.49	42.67	49.81	107,644.09			26,010.26	75,979.91	46.86	56.42	40.21	0.37	0.37	0.37	0.00	0.00	0.00	0.00				827.36	821.46	821.46	10,667.90									17.60
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2032	831.22	831.22	1,183.19		6.96	60.52	887.39	4,409.44	477.31	1,523.65	2,948.54	102,504.93	28,453.36	42.27	49.81	102,504.95			26,010.26	75,979.91	48.36	58.32	41.91	0.25	0.25	0.25	0.00	0.00	0.00	0.00				831.22	821.46	821.46	10,667.90									17.54
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2033	836.22	836.22	1,183.19		6.36	60.52	887.39	4,409.44	465.21	1,417.65	2,836.10	98,224.71	30,733.58	41.40	48.13	98,224.72			26,010.26	75,979.91	47.36	57.06	41.06	0.25	0.25	0.25	0.00	0.00	0.00	0.00				836.22	821.46	821.46	10,667.90									17.54
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,420.26	269.55	2,526.42	2,173.37	105,796.52	10,207.17	46.38	48.82	105,796.53			13,187.37	105,143.28	46.10	50.82	42.02	0.17	0.17	0.17	0.00	0.00	0.00	0.00				843.73	840.00	840.00	847,512.33									17.57
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,524.78	153.57	3,217.35	1,461.00	74,459.86	3,189.81	50.97	46.66	74,459.88			7,876.80	141,351.67	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00				861.89	858.16	858.16	615,071.02									17.60
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2036	877.35	877.35	1,183.19		-0.69	59.34	887.39	4,605.21	153.57	3,217.35	1,461.00	74,459.86	2,189.81	-1.50	46.66	74,459.88			7,876.80	141,351.67	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00				877.35	858.16	858.16	615,071.02	191,358.76	36.79	4.41	2,178.79
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2037	882.06	882.06	1,217.20		-4.70	59.24	840.63	4,577.21	228.50	449.09	4,358.68	07,537.63	249,408.42	-6.48	48.73	67,537.63			10,904.11	22,535.28	48.02	52.22	44.34	0.14	0.14	0.14	0.00	0.00	0.00	0.00				882.06	878.33	883.44	41,756.04	192,033.55	36.84	4.81	2,708.73
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2038	891.68	891.68	1,217.20		-5.72	58.93	840.63	4,602.93	216.83	474.15	4,345.61	-34,607.04	253,436.58	-7.85	50.40	-34,601.19			10,714.60	23,943.88	49.70	53.77	46.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00				891.68	887.95	887.95	99,563.87	194,205.48	34.17	5.02	2,702.63
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2039	901.87	901.87	1,267.20		-3.57	58.60	869.63	4,629.70	249.84	543.01	4,336.53	-34,612.35	254,770.36	-7.75	50.52	-34,604.67			12,843.40	26,827.61	49.88	53.74	46.51	0.16	0.16	0.16	0.00	0.00	0.00	0.00				901.87	898.14	986.57	76,309.90	206,464.83	77.87	8.91	2,711.78
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Core	2040	909.62	909.62	1,267.20		-4.40	58.53	869.63	4,676.65	247.58	559.21	4,365.02	-25,451.48	253,587.45	-5.66	51.89	-25,444.44			13,145.87	27,760.00	51.25	54.91	48.07	0.17	0.17	0.17	0.00	0.00	0.00	0.00				909.62	905.89	905.89	109,925.20	202,554.07	84.53	13.39	2,721.83
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2024							0.00	1,716.49	584.80	0.00	0.00		0.00				-730.05		29,536.71	70,814.17	45.32	55.78	37.89																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2025							0.00	2,289.07	374.91	0.00	0.00		0.00				70,220.05		19,946.50	90,166.55	43.15	52.01	35.43																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2026							0.00	1,716.49	584.80	0.00	0.00		0.00				41,275.46		29,536.71	70,814.17	45.32	55.78	37.89																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2027							0.00	1,717.80	692.78	0.00	0.00		0.00				28,107.60		30,767.89	58,875.50	45.93	54.30	38.57																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2028							0.00	1,488.24	607.57	0.00	0.00		0.00				27,268.17		26,721.48	62,933.44	43.58	51.82	36.39																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2029							0.00	1,512.67	608.37	0.00	0.00		0.00				26,721.48		26,721.48	62,933.44	43.58	51.82	36.39																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2030							0.00	1,744.47	504.59	0.00	0.00		0.00				48,513.89		72,956.21	44.56	52.67	37.49																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2031							0.00	1,851.51	495.76	0.00	0.00		0.00				49,537.81		75,979.91	46.86	56.42	40.21																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2032							0.00	1,523.63	630.10	0.00	0.00		0.00				39,957.88		75,979.91	47.36	57.06	41.06																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2033							0.00	2,157.65	410.21	0.00	0.00		0.00				71,220.88		90,669.76	48.13	58.32	41.91																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2034							0.00	2,173.37	269.55	0.00	0.00		0.00				11,231.07		105,143.28	50.82	58.32	42.02																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2035							0.00	1,117.35	153.57	0.00	0.00		0.00				13,229.27		141,351.67	50.48	58.32	42.08																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2036							0.00	1,117.35	153.57	0.00	0.00		0.00				13,229.27		141,351.67	50.48	58.32	42.08																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2037							0.00	449.09	228.50	0.00	0.00		0.00				10,904.11		22,535.28	48.02	52.22	44.34																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2038							0.00	474.15	216.83	0.00	0.00		0.00				10,714.60		23,943.88	49.70	53.77	46.13																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2039							0.00	543.01	249.84	0.00	0.00		0.00				12,843.40		26,827.61	49.88	53.74	46.51																							
DDXY 2024 IRP Core 111 DS2 DFO SD - NG 5bi Retire - PC	0	DDXY	KY Market	2040							0.00	559.21	247.58	0.00	0.00		0.00				14,614.13		27,760.00	51.25	54.91	48.07																							

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,541.10	29.24				3,416.00	7.00	10,979.00	16,965,500.57	44,402.06	407.20	2.64	1,105.30	21,052.70	66,967.26	43.45		66,967.26	66,967.25								50.08	77,178.46			0.00	10,211.20			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,042.30	38.86				4,903.00	8.00	11,101.34	22,729,154.50	59,092.87	1,027.61	2.65	1,456.20	29,280.25	90,856.57	44.49	32,574.08	123,431.06	90,856.96								49.04	100,152.72			0.00	-23,278.34			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	2,985.10	56.79				5,751.00	10.00	10,786.28	32,269,216.13	70,203.71	980.28	2.21	1,658.00	43,910.72	116,752.71	39.11	76,066.69	192,819.40	116,752.72								49.09	146,524.29			0.00	46,395.12			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,496.50	66.52				5,850.00	9.00	10,617.85	37,185,313.88	83,081.65	1,772.27	2.28	1,530.00	23,311.28	109,695.19	31.37		109,695.19	109,695.20								46.65	163,115.29			0.00	53,420.10			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,388.30	64.29				5,779.00	10.00	10,638.25	36,116,688.38	83,058.75	1,511.77	2.34	1,742.00	23,277.78	109,590.30	32.34		109,590.30	109,590.30								45.17	153,038.22			0.00	43,447.92			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,254.50	63.92				5,685.00	8.00	10,666.83	34,772,086.75	83,615.93	1,305.04	2.44	1,428.80	23,115.42	109,465.19	33.64		109,465.19	109,465.19								45.47	147,989.20			0.00	38,524.01			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	2,836.10	53.96				5,621.00	9.00	10,931.35	31,066,267.13	87,970.43	1,392.76	2.88	1,647.90	21,152.29	112,161.39	39.55	113,334.69	225,496.08	112,161.40								47.32	134,202.82			0.00	-91,293.56			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.12	2,829.20	53.82				5,765.00	9.00	10,767.43	30,808,758.69	102,830.47	1,327.81	3.03	1,550.00	21,791.19	145,162.51	42.22	17,228.00	162,390.51	145,162.51								50.05	147,249.09			0.00	2,019.63			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.30	2,775.50	52.81				4,955.00	9.00	10,799.31	30,097,472.69	98,814.80	1,202.15	3.33	1,773.90	22,233.86	124,024.71	44.69	17,228.00	141,252.71	124,024.71								50.35	139,750.41			0.00	-5,502.30			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	2,155.80	41.02				3,988.00	6.00	10,842.68	23,417,516.00	80,845.30	856.83	3.49	1,212.60	17,883.80	100,798.52	46.76	17,228.00	118,026.52	100,798.51								51.12	110,195.88			0.00	-7,830.64			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.03	1,443.40	27.46				3,019.00	9.00	11,064.89	15,948,447.69	99,658.93	366.90	3.76	1,863.90	12,570.12	74,459.86	51.59	17,228.00	91,687.86	74,459.87								53.24	76,844.89			0.00	-14,842.96			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2024	1.00	64.80	46.37	88.98	478.57	88.98				7,800.00	2.00	10,044.79	4,807,184.00	23,920.94	-2.16		791.66	-9,581.12		-20.02		-9,581.12	-9,580.64								47.13	22,553.54		0.48		32,135.66			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2025	1.00	64.80	46.37	88.90	470.81	88.90				7,794.45	0.69	10,016.46	4,775,962.56	23,647.98	-1.03		808.47	-8,880.91		-18.64		-8,880.91	-8,886.44								46.41	23,083.60		0.48		31,970.99			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2026	1.00	64.80	46.37	88.69	475.64	88.69				7,776.04	0.86	10,015.60	4,763,835.66	25,963.02	-35,343.58	-1.97		826.64	-8,553.92		-17.98		-8,553.92	-8,553.44								50.11	23,836.76		0.47		32,391.15			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2027	1.00	64.80	46.37	88.63	475.34	88.63				7,752.00	1.00	10,038.94	4,771,879.50	26,601.34	-36,110.67	-1.99		846.77	-8,662.56		-18.22		-8,662.56	-8,662.08								50.31	23,915.72		0.47		32,519.79			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	1.00	64.80	46.37	88.94	478.40	88.94				7,800.00	1.00	10,041.52	4,803,769.17	28,727.03	-37,079.32	-1.74		873.53	-7,478.76		-15.63		-7,478.76	-7,478.28								51.78	24,773.06		0.48		32,252.29			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2036	1.00	525.85	376.83	88.97	3,886.47	88.97				7,800.00	2.00	7,398.31	29,757,503.98	142,642.52	-105,146.47	-2.17		29,305.78	-33,198.08		-8.54	82,559.56	49,361.49								47.12	183,149.88		2.22		133,790.61			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2037	1.00	525.85	376.83	88.91	3,872.31	88.91				7,794.45	0.69	7,395.06	28,637,361.13	149,741.29	-208,320.92	-2.05		29,928.91	-28,650.72		-7.40	84,623.55	55,972.83								48.41	187,460.76		2.21		131,490.15			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2038	1.00	525.85	376.83	88.69	3,862.81	88.69				7,776.04	0.86	7,394.96	28,567,160.13	155,223.44	-213,938.51	-1.99		30,601.95	-26,113.12		-6.76	86,739.14	60,626.02								50.11	193,577.41		2.21		132,953.59			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	1.00	525.85	376.83	88.63	3,860.21	88.63				7,752.00	1.00	7,397.64	28,558,516.38	158,812.24	-216,107.86	-2.01		31,345.83	-25,949.79		-6.72	88,907.61	62,957.82								50.31	194,211.27		2.21		131,255.65			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	1.00	525.85	376.83	88.94	3,885.07	88.94				7,800.00	1.00	7,397.91	28,743,497.13	171,550.33	-221,859.46	-1.75		32,336.41	-17,972.70		-4.63	91,130.30	73,157.57								51.78	201,172.65		2.22		128,017.30			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2024	1.00	94.00	57.92	80.80	313.15	40.83				3,819.00	70.00	15,015.28	4,703,490.06	11,450.00	283.10	2.49	413.00	0.00	12,146.10	38.79		12,146.10	12,146.11								47.58	14,900.72				2,754.61			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2025	1.00	94.00	57.92	74.57	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	176.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.33				224.09			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2026	1.00	94.00	57.92	89.64	26.05	3.41				279.00	13.00	14,805.94	362,508.89	1,452.05	13.77	4.04	76.80	0.00	1,509.14	63.05		1,509.14	1,509.14								73.99	1,875.43				366.29			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2027	1.00	94.00	57.92	89.67	24.47	3.20				279.00	12.00	14,805.94	347,844.84	567.04	14.76	3.94	46.20	0.00	628.00	63.56		628.00	628.00								67.15	1,643.00				100.38			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2028	1.00	94.00	57.92	89.67	9.88	1.29				119.00	7.00	14,947.66	147,844.84	567.04	14.76	3.94	46.20	0.00	628.00	63.56		628.00	628.00								68.02	672.14				44.14			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2029	1.00	94.00	57.92	85.76	17.85	2.33				311.00	8.00	14,918.56	266,419.59	946.28	12.21	3.60	53.60	0.00	1,012.09	56.71		1,012.09	1,012.09								68.02	1,060.26				48.17			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2030	1.00	94.00	57.92	85.56	17.85	2.33				503.00	14.00	14,826.44	265,419.59	946.28	12.21	3.60	53.60	0.00	1,012.09	56.71		1,012.09	1,012.09								59.41	1,060.26				115.01			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2031	1.00	94.00	57.92	85.31	44.08	5.76				503.00	14.00	14,826.44	652,939.28	2,352.52	36.93	3.64	96.60	0.00	2,476.05	56.17		2,476.05	2,476.05								58.78	2,591.06				153.01			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2032	1.00	94.00	57.92	85.96	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10	0.00	1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				97.32			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2033	1.00	94.00	57.92	85.76	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00	0.00	1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89				75.74			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2034	1.00	94.00	57.92	85.61																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2035	1.00	94.00	57.92	85.56																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2036	1.00	94.00	57.92	85.41																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2037	1.00	94.00	57.92	86.21																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2038	1.00	94.00	57.92	85.76																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2039	1.00	94.00	57.92	84.81																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2040	1.00	94.00	57.92	85.71																		0.00													0.00				
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2024	1.00	94.00	67.62	88.06	372.90	48.16				4,411.00	70.00	14,923.02	5,566,219.70	12,858.23	270.84	2.36	413.00	0.00	13,542.06	36.32		13,542.06	13,542.07								45.00	16,781.28				3,239.21			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2025	1.00	94.00	67.62	72.97	40.19	5.21				455.00	28.00	14,773.14	594,379.61	2,143.39	36.36	3.67	170.80	0.00	2,350.55	58.48		2,350.55	2,350.55								61.82	2,484.79				134.24			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2026	1.00	94.00	67.62	87.76	27.19	3.52				306.00	14.00	14,761.48	401,599.59	1,671.77	19.77	4.21	86.80	0.00	1,778.34	65.41		1,778.34	1,778.34								71.70	1,949.25				170.91			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2027	1.00	94.00	67.62	87.59	23.85	3.09				290.00	13.00	14,798.83	377,480.29	1,503.16	16.22	4.03	83.20	0.00	1,602.58	67.22		1,602.58	1,602.58								66.97	1,706.96				104.38			
DEKY 2024 RP Core 111 ISE2 DFO '30 - N5 '36 Retire - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2028	1.00	94.00	67.62	87.81	8.44	1.09				290.00

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,736,810.35	204.70	2,253.99		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	665.09	0.08	0.86	404.56	0.26
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,099.78	0.13	1.43	2.64	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,327,308.88	204.79	2,279.11		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	837.52	0.07	0.82	1,024.11	0.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,473.70	0.13	1.44	3.54	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,305,136.64	204.85	2,214.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,272.00	0.08	0.85	975.26	0.33
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,092.88	0.13	1.40	5.02	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,810,914.81	204.95	2,179.85		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,433.61	0.08	0.82	1,766.48	0.51
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,413.15	0.13	1.38	5.79	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,700,080.88	204.90	2,184.03		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,408.05	0.08	0.83	1,506.15	0.44
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,342.96	0.13	1.38	5.62	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,563,516.27	204.96	2,189.90		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,368.17	0.08	0.84	1,299.63	0.40
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,256.49	0.13	1.39	5.42	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	2,525,098.93	162.56	1,780.68		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,168.84	0.08	0.82	1,390.34	0.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	1,007.57	0.06	0.71	2.42	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	2,505,870.28	162.58	1,774.63		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,182.52	0.08	0.84	1,179.61	0.42
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	1,000.23	0.06	0.71	2.40	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	2,918,913.33	162.57	1,753.63		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,372.61	0.08	0.82	1,625.01	0.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	1,164.96	0.06	0.70	2.80	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	2,441,431.54	162.56	1,759.27		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,160.63	0.08	0.84	1,199.78	0.43
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	974.14	0.06	0.70	2.38	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	1,903,502.59	162.57	1,765.94		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	909.84	0.08	0.84	854.94	0.40
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	759.68	0.06	0.70	1.88	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	1,295,642.53	162.48	1,795.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	627.88	0.08	0.87	365.60	0.25
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	516.24	0.06	0.72	1.30	0.00
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2036	CO2	288,430.99	120.00	1,205.37	-34,316.63	-71.71
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2036	NOx	19.23	0.01	0.08	23.04	0.05
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2037	CO2	286,557.74	120.00	1,201.98	-34,768.21	-72.92
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2037	NOx	19.10	0.01	0.08	24.85	0.05
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2038	CO2	285,830.09	120.00	1,201.87	-35,368.91	-74.36
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2038	NOx	19.06	0.01	0.08	25.34	0.05
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2039	CO2	286,312.72	120.00	1,204.67	-36,135.34	-76.02
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2039	NOx	19.09	0.01	0.08	24.58	0.05
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	CO2	288,226.08	120.00	1,204.96	-37,104.61	-77.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	NOx	19.22	0.01	0.08	25.28	0.05
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2036	CO2	1,725,449.99	120.00	887.93	-205,289.33	-52.82
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2036	NOx	115.03	0.01	0.06	143.10	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2037	CO2	1,718,241.60	120.00	887.45	-208,475.04	-53.84
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2037	NOx	114.55	0.01	0.06	154.32	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2038	CO2	1,714,029.47	120.00	887.45	-212,095.17	-54.91
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2038	NOx	114.27	0.01	0.06	157.40	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	CO2	1,713,510.90	120.00	887.78	-216,259.80	-56.02
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	NOx	114.23	0.01	0.06	152.70	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	CO2	1,724,609.63	120.00	887.81	-222,016.62	-57.15
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	NOx	114.97	0.01	0.06	157.01	0.04
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	275,154.08	117.00	1,757.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	279.86	0.12	1.79	283.10	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	22,523.39	117.00	1,729.24		

DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	38,196.94	117.00	1,733.11		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	38.85	0.12	1.76	26.93	0.61
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	325,623.72	117.00	1,746.45		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	331.19	0.12	1.78	270.84	0.73
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	34,771.20	117.00	1,730.17		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	35.37	0.12	1.76	36.36	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	23,493.57	117.00	1,728.36		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	23.90	0.12	1.76	19.77	0.73
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	7,388.47	117.00	1,751.86		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	7.51	0.12	1.78	15.05	1.78
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	34,944.24	117.00	1,724.11		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	35.54	0.12	1.75	8.55	0.21
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	22,220.22	117.00	1,736.77		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	22.60	0.12	1.77	29.14	1.14
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	292,834.78	117.00	1,746.46		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	297.84	0.12	1.78	230.98	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	43,632.37	117.00	1,726.68		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	44.38	0.12	1.76	36.38	0.72
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	22,126.14	117.00	1,729.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	22.50	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	17,428.50	117.00	1,724.83		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	17.73	0.12	1.75	3.19	0.16
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	6,744.32	117.00	1,755.65		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	6.86	0.12	1.79	15.05	1.96
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	14,387.16	117.00	1,747.18		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	14.63	0.12	1.78	12.45	0.76
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	34,676.02	117.00	1,732.59		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	35.27	0.12	1.76	27.47	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	25,805.80	117.00	1,734.96		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	26.25	0.12	1.76	28.95	0.97
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	18,658.30	117.00	1,723.95		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	18.98	0.12	1.75	14.23	0.66
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	304,344.00	117.00	1,742.17		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	309.55	0.12	1.77	240.18	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	41,512.92	117.00	1,731.94		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	42.22	0.12	1.76	26.94	0.56
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	345,840.75	117.00	1,737.27		

DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	351.75	0.12	1.77	251.21	0.63
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	50,557.59	117.00	1,731.16		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	51.42	0.12	1.76	31.27	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	347,226.21	117.00	1,740.22		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	353.16	0.12	1.77	265.88	0.67
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	25,876.22	117.00	1,735.03		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	26.32	0.12	1.76	29.14	0.98
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	20,587.06	117.00	1,722.62		
DEKY 2024 IRP Core 111 EB2 DFO '30 - NS '36 Retire - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	20.94	0.12	1.75	14.23	0.60

Scenario	RunID	Year	BA	Area	Name	Added	Active	Installed Cost
DEKY 2024	0	2036	DEKY	KY Core	Proj New 1	1.00	1.00	1,921,393.75
DEKY 2024	0	2036	DEKY	KY Core	Proj New 1	1.00	1.00	218,137.72
DEKY 2024	0	2036	DEKY	KY Core	Proj New E	1.00	1.00	122,460.55
DEKY 2024	0	2039	DEKY	KY Core	Proj New E	1.00	2.00	124,859.57

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2024	807.65	807.65	1,182.00		9.95	60.45	888.94	4,288.50	1,209.81	1,976.35	3,522.06	152,028.63	29,233.88	38.99	40.76	152,928.63		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2025	809.57	809.57	1,183.00		9.07	60.41	887.86	4,284.00	1213.12	2,206.15	2,555.57	154,545.27	25,539.70	45.18	44.42	154,545.27		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2026	812.20	812.20	1,183.00		9.30	60.30	887.77	4,290.62	574.62	1,676.11	3,189.13	127,934.52	12,656.60	40.12	46.59	127,934.52		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	730.14	1,527.64	3,687.31	119,637.71	54,390.53	32.45	47.10	119,637.73		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2028	812.08	812.08	1,183.13		9.33	60.24	887.67	4,284.73	730.14	1,527.64	3,687.31	119,637.71	54,390.53	32.45	47.10	119,637.73		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2029	812.17	812.17	1,233.19		9.53	60.19	888.58	4,282.49	617.15	1,456.79	3,442.84	110,329.52	48,298.54	32.05	44.67	110,329.64		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2030	821.92	821.92	1,233.19		8.16	60.59	886.99	4,362.59	552.75	1,673.73	3,241.62	124,769.44	35,133.70	38.49	45.66	124,769.56		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2031	827.36	827.36	1,283.19		7.81	60.95	891.99	4,370.05	587.08	1,790.13	3,168.80	115,372.05	45,523.36	36.43	46.49	115,372.29		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2032	831.22	831.22	1,283.19		7.18	60.13	890.89	4,389.82	764.95	1,484.87	3,689.90	139,910.67	50,246.45	37.92	49.81	139,910.89		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2033	833.79	833.79	1,333.19		6.99	59.92	890.39	4,395.26	388.44	2,147.54	2,661.16	96,356.31	38,950.61	35.46	46.62	96,356.44		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2034	843.73	843.73	1,333.19		5.89	59.81	893.39	4,420.26	388.44	2,147.54	2,661.16	96,356.31	38,950.61	35.46	46.62	96,356.44		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2035	861.89	861.89	1,383.19		3.95	59.93	895.89	4,524.78	236.40	2,769.58	1,991.60	58,474.73	45,113.96	29.36	46.66	58,475.18		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2036	872.04	872.04	1,383.19		2.74	59.54	895.89	4,569.76	192.36	2,997.07	1,756.05	47,862.22	44,874.87	27.26	47.52	47,862.46		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2037	882.06	882.06	1,433.19		1.85	59.24	898.39	4,577.21	194.51	2,869.30	1,902.46	46,758.48	56,384.33	24.58	48.73	46,759.04		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2038	901.87	901.87	1,433.19		0.26	58.60	904.22	4,629.70	306.94	2,075.93	2,860.61	59,557.39	91,776.82	20.82	50.52	59,558.77		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2039	901.87	901.87	1,568.45		0.26	58.60	904.22	4,629.70	306.94	2,075.93	2,860.61	59,557.39	91,776.82	20.82	50.52	59,558.77		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Core	2040	909.62	909.62	1,540.45		-0.59	58.53	904.22	4,676.65	290.43	2,085.86	2,881.22	64,935.36	95,090.42	22.54	51.89	64,936.73		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2024										1,576.25	1,209.81	0.00	0.00					-7,595.21
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2025										2,291.55	543.12	0.00	0.00					60,109.17
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2026										1,102.49	1,574.64	0.00	0.00					127,934.52
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2027										1,527.64	730.24	0.00	0.00					21,772.35
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2028										1,476.25	650.42	0.00	0.00					35,820.79
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2029										1,456.79	617.15	0.00	0.00					32,650.58
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2030										1,673.73	552.75	0.00	0.00					39,281.91
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2031										1,790.13	587.08	0.00	0.00					45,523.36
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2032										1,484.87	764.95	0.00	0.00					28,496.87
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2033										1,702.80	520.17	0.00	0.00					51,865.52
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2034										2,147.54	388.44	0.00	0.00					74,212.89
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2035										2,769.58	236.40	0.00	0.00					107,330.28
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2036										2,997.07	192.36	0.00	0.00					116,507.55
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2037										2,869.30	194.51	0.00	0.00					110,927.55
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2038										2,838.51	238.89	0.00	0.00					121,055.69
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2039										2,075.93	306.84	0.00	0.00					80,608.23
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	0	DSEY	KY Market	2040										2,085.86	290.43	0.00	0.00					84,719.26

Scenario	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	62,910.30	5,515.75	39.39	56.49	33.44	0.88	0.88	1.88	0.00	0.00	0.00	0.00	0.00				807.65	855.47	855.47							17.60		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	29,807.92	90,007.09	43.15	52.01	35.43	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00				809.57	808.57	808.57							17.60		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	29,653.69	68,958.62	41.32	53.79	37.89	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00				812.20	808.47	808.47							17.60		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	32,692.10	60,464.45	43.93	54.30	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00				811.95	808.22	808.22	29,989.47						17.60		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	27,484.54	60,139.12	43.58	51.82	36.36	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00				812.17	794.71	794.71	41,568.35						112.20		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	28,057.52	67,139.43	44.56	52.67	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00	0.00				821.92	815.51	815.51	51,670.88	10,115.95					112.20		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	30,658.90	72,341.57	45.28	53.47	38.14	0.37	0.37	0.37	0.00	0.00	0.00	0.00	0.00				827.36	816.16	816.16	43,431.05	20,030.41					219.57		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	41,213.89	69,710.76	48.96	54.35	44.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00	0.00				831.22	787.92	787.92	39,282.28	18,172.15					218.74		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	41,214.11	91,155.50	46.10	50.82	42.02	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00				833.79	812.84	812.84	143,921.58	23,974.20					327.26		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	18,979.51	91,155.50	46.10	50.82	42.02	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00				843.73	812.84	812.84	143,921.58	23,974.20					327.26		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	13,519.51	120,049.79	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00	0.00				861.89	829.87	829.87	261,525.98	33,043.06					436.70		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	10,362.35	134,231.54	46.74	52.27	42.76	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00				872.04	851.27	851.27	394,444.91	33,305.76					408.45		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	10,874.75	130,802.30	48.02	52.21	44.34	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00				882.06	825.17	825.17	416,562.22	42,308.01					544.66		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	17,960.00	97,648.23	49.88	53.74	46.51	0.16	0.16	0.16	0.00	0.00	0.00	0.00	0.00				901.87	817.23	817.23	87,434.92	175,618.43	24.93	2.28			1,264.40		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	17,960.00	97,648.23	49.88	53.74	46.51	0.16	0.16	0.16	0.00	0.00	0.00	0.00	0.00				901.87	817.23	817.23	87,434.92	175,618.43	24.93	2.28			1,264.40		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	16,613.45	101,326.71	51.25	54.91	48.07	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00				909.62	867.36	867.36	97,444.55	174,044.87	22.25	1.04			1,357.34		
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	53,315.75	85,910.96	39.39	48.49	31.44							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	90,007.09	29,807.91	43.15	52.01	35.43							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	68,958.62	29,653.69	41.32	53.79	37.89							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	60,464.45	32,692.10	43.93	54.30	38.57							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	64,036.03	28,205.24	44.27	52.53	37.11							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	60,135.11	27,484.54	43.58	51.82	36.39							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	67,338.42	28,057.51	44.56	52.67	37.49							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	72,341.57	30,658.90	45.28	53.47	38.14							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	69,710.76	41,213.89	48.96	54.35	44.21							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	76,633.08	24,707.56	47.38	52.52	42.86							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	91,103.50	18,979.51	46.10	50.82	42.02							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	120,049.80	13,519.52	45.99	50.48	42.08							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	134,231.54	10,362.35	46.74	52.27	42.76							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	130,802.31	10,874.76	48.02	52.21	44.34							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	134,560.97	13,559.28	49.70	53.77	46.13							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	97,648.22	17,960.00	49.88	53.74	46.51							0.00																
DSEY 2024 IRP 111 0362 DYO 30 - NG CC Forced Solar from 29 - PC	101,326.72	16,613.46	51.25	54.91	48.07							0.00																

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,716.10	32.56				4,166.00	6.00	11,119.20	19,124,319.13	49,269.08	749.89	2.62	1,105.30	23,629.10	74,753.37	43.56		74,753.37	74,753.36								48.60	83,395.90				0.00	8,642.52			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	43.01	1,208.00	42.01				4,995.00	7.00	11,009.32	24,365,449.75	61,164.42	747.54	2.62	1,294.40	31,495.33	95,701.69	43.80	32,574.08	129,275.77	90,701.67								49.86	-19,193.74				0.00	-19,193.74			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	3,013.70	57.34				5,797.00	9.00	10,784.27	32,544,547.63	70,495.20	1,250.34	2.20	1,492.20	44,326.53	117,564.27	39.01	76,066.69	193,630.96	117,564.28								49.23	148,376.32				0.00	-45,254.64			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,524.30	67.05				5,928.00	10.00	10,623.79	37,512,523.38	83,685.01	1,597.78	2.27	1,700.00	23,514.00	110,496.79	31.35		110,496.79	110,496.80								46.38	163,447.16				0.00	52,950.37			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,387.20	64.27				5,777.00	11.00	10,639.41	36,116,008.88	83,246.70	1,500.21	2.35	1,916.20	23,273.55	109,936.67	32.46		109,936.67	109,936.67								45.51	154,166.81				0.00	44,230.15			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,230.30	61.46				5,623.00	8.00	10,662.77	34,500,841.56	83,021.34	1,509.97	2.45	1,428.80	22,932.10	108,892.21	33.71		108,892.21	108,892.21								45.68	147,556.84				0.00	38,664.63			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	2,874.40	54.69				5,534.00	7.00	10,893.27	31,361,386.50	90,820.30	1,230.51	2.94	1,281.70	21,339.15	114,671.66	39.89	113,334.69	228,006.35	114,671.68								48.57	139,606.89				0.00	-88,399.47			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.03	2,779.40	52.88				5,559.00	8.00	10,895.18	30,338,938.63	90,199.69	1,106.00	3.01	1,500.80	21,214.14	114,021.24	41.02	17,228.00	131,249.24	114,021.26								50.13	139,320.49				0.00	8,071.25			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	62.82	3,314.50	62.89				5,715.00	8.00	10,758.36	35,715,453.94	110,220.54	1,585.60	3.13	1,538.40	25,641.03	138,985.57	41.93	17,228.00	156,213.57	138,985.57								50.80	168,361.02				0.00	12,147.45			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.30	2,889.70	54.98				5,232.00	10.00	10,816.29	31,226,937.81	103,857.44	1,383.79	3.36	1,971.00	23,195.48	130,407.72	45.13	17,228.00	147,635.72	130,407.70								49.94	144,309.38				0.00	-3,326.33			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	2,333.90	44.40				4,439.00	9.00	10,877.63	25,451,290.94	87,674.52	1,064.89	3.49	1,818.90	19,440.98	109,999.30	47.13	17,228.00	127,227.30	109,999.29								50.43	117,691.04				0.00	-19,536.26			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	63.69	1,554.90	29.58				3,224.00	6.00	10,992.71	17,135,229.69	64,312.49	567.60	3.79	1,242.60	13,522.18	79,644.87	51.22	109,478.00	189,122.87	79,644.88								53.75	83,570.09				0.00	-105,053.79			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	1.00	600.00	498.96	66.12	1,316.60	24.98				2,726.00	7.00	10,990.73	14,520,159.78	56,098.47	360.60	3.89	1,486.10	11,794.13	69,745.31	52.97	17,228.00	86,973.30	69,745.31								54.85	72,219.06				0.00	-14,914.25			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	1.00	600.00	498.96	66.30	1,357.80	25.83				2,803.00	6.00	10,986.62	14,960,295.06	60,464.24	524.49	4.08	1,305.60	12,528.83	74,821.16	55.10	17,228.00	92,049.16	74,821.17								57.03	77,429.28				0.00	-14,619.88			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	1,457.00	27.72				2,930.00	5.00	10,950.79	15,990,854.12	67,321.72	241.76	4.23	1,115.00	13,790.41	82,468.89	56.60	17,228.00	99,696.89	82,468.91								58.06	84,588.09				0.00	-15,108.89			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Combined Cycle	New Ind CC DEK	2039	1.00	599.10	455.91	91.00	2,134.80	41.96			192.00	4,031.32	45.92	6,430.57	13,995,207.88	77,869.73	77.86	5.57		8,540.83	86,488.42	40.14	56,531.04	143,019.46	86,489.09		11.82	1.06	646.70			54.96	118,436.55	10.84				-24,572.07			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Combined Cycle	New Ind CC DEK	2040	1.00	599.10	455.91	91.38	2,171.14	42.16			229.00	4,032.62	42.01	6,438.22	14,065,662.12	83,592.29	86.79	5.95		8,820.73	92,499.82	42.60	57,944.31	150,444.13	92,500.46		5.95	0.17	647.38			56.34	122,332.58	5.26				-28,116.30			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Combined Cycle	New Ind CC DEK DF	2039	1.00	64.80	46.37	91.08	52.15	9.72			81.00	1,137.71	277.53	8,816.15	459,786.62	2,537.19	2.07	5.52		100.65	2,639.91	50.62		2,639.91	2,639.98		13.10	1.23	52.04			63.12	3,291.76	29.04				680.89			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Combined Cycle	New Ind CC DEK DF	2040	1.00	64.80	46.37	91.38	53.52	9.95			40.00	1,174.62	291.24	8,819.04	471,966.50	1,799.56	2.09	5.92		104.87	2,907.49	54.32		2,907.49	2,907.56		16.29	0.87	53.40			63.12	3,470.79	32.30				563.30			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2024	1.00	94.00	57.92	91.15	306.51	37.37				3,174.00	8.00	14,910.04	4,568,607.84	11,799.56	258.77	3.50	430.70	5.00	12,914.26	42.14		12,914.26	12,914.26								47.72	14,629.19				0.00	1,714.93			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2025	1.00	94.00	57.92	91.54	302.57	36.92				3,197.00	29.00	14,769.17	702,750.12	3,109.78	34.49	3.71	176.90	0.00	3,321.18	10.97		3,321.18	3,321.18								63.12	19,098.38				0.00	15,777.20			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2026	1.00	94.00	57.92	89.99	30.05	3.41				294.00	13.00	14,769.38	385,015.31	1,615.48	17.05	4.23	80.60	0.00	1,709.14	56.91		1,709.14	1,709.14								71.99	1,875.43				0.00	166.29			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2027	1.00	94.00	57.92	89.84	24.47	3.20				279.00	12.00	14,805.94	362,508.89	1,652.05	13.77	4.04	76.80	0.00	1,742.62	63.05		1,742.62	1,742.62								67.15	1,643.00				0.00	100.38			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2028	1.00	94.00	57.92	85.71	9.88	1.29				159.00	7.00	14,947.66	147,844.84	567.04	14.76	3.94	46.20	0.00	628.00	63.56		628.00	628.00								68.02	672.14				0.00	44.14			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2029	1.00	94.00	57.92	85.71	17.85	2.33				211.00	8.00	14,918.56	266,419.59	946.28	12.21	3.60	53.60	0.00	1,012.09	56.71		1,012.09	1,012.09								59.41	1,060.26				0.00	48.17			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2030	1.00	94.00	57.92	85.31	43.90	5.74				502.00	8.00	14,813.11	650,150.09	2,345.08	26.93	3.65	96.40	0.00	2,468.41	56.24		2,468.41	2,468.41								58.86	2,583.80				0.00	115.39			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2031	1.00	94.00	57.92	85.31	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10	0.00	1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				0.00	97.32			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2032	1.00	94.00	57.92	85.21	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00	0.00	1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89				0.00	75.74			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2033	1.00	94.00	57.92	85.61																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2034	1.00	94.00	57.92	84.66																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2035	1.00	94.00	57.92	84.95																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2036	1.00	94.00	57.92	85.51																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2037	1.00	94.00	57.92	85.21																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2038	1.00	94.00	57.92	85.61																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2039	1.00	94.00	57.92	85.31																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2040	1.00	94.00	57.92	86.10																		0.00														0.00			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 4	2024	1.00	94.00	67.62	88.36	379.62	49.03				4,445.00	70.00	14,891.96	5,654,740.04	12,975.46	247.57	2.34	413.00	0.00	13,636.03	35.92		13,636.03	13,636.03								44.69	16,964.55				0.00	3,328.52			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 4	2025	1.00	94.00	67.62	72.42	48.94	6.34				549.00	28.00	14,750.20	722,477.57	2,637.87	36.38	3.70	170.80	0.00	2,845.04	58.13		2,845.04	2,845.04								62.70	3,068.76				0.00	223.72			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 4	2026	1.00	94.00	67.62	87.46	27.19	3.52				306.00	14.00	14,761.48	401,599.59	1,671.77	19.77	4.21	86.80	0.00	1,778.34	65.41		1,778.34	1,778.34								71.70	1,949.25				0.00	170.91			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 4	2027	1.00	94.00	67.62	88.20	25.49	3.30				290.00	13.00	14,798.63	377,480.29	1,503.16	16.22	4.03	83.20	0.00	1,602.58	62.87		1,602.58	1,602.58								66.97	1,706.96				0.00	104.38			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 4	2028	1.00	94.00	67.62	87.67	10.03	1.30				119.00	7.00	14,903.47	149,473.54	573.65	15.06	3.93	46.20	0.00	634.91	63.28		634.91	634.91								68.01	682.32				0.00	47.42			
DEKY 2024 BIP 111 E82 DFO '30 - NS CC Forced Solar Tom '29 - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 4	2029

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,958,732.26	204.84	2,282.77		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	713.89	0.07	0.83	746.91	0.44
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,240.31	0.13	1.45	2.98	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,495,274.59	204.82	2,260.21		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	938.69	0.08	0.85	743.74	0.34
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,580.06	0.13	1.43	3.79	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,336,182.13	204.90	2,214.01		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,263.14	0.08	0.84	1,245.27	0.41
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,112.54	0.13	1.40	5.07	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,843,362.36	204.91	2,181.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,462.18	0.08	0.83	1,591.94	0.45
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,433.69	0.13	1.38	5.84	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,699,280.41	204.86	2,184.27		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,408.60	0.08	0.83	1,494.59	0.44
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,342.46	0.13	1.38	5.62	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,535,672.77	204.96	2,189.07		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,338.48	0.08	0.83	1,504.60	0.47
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,238.86	0.13	1.39	5.37	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	2,549,402.45	162.58	1,773.87		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,201.08	0.08	0.84	1,228.07	0.43
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	1,017.63	0.06	0.71	2.44	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	2,466,100.20	162.57	1,774.56		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,169.01	0.08	0.84	1,103.64	0.40
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	984.17	0.06	0.71	2.36	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	2,903,344.20	162.58	1,751.90		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,369.82	0.08	0.83	1,582.82	0.48
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	1,158.90	0.06	0.70	2.78	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	2,546,145.65	162.55	1,762.22		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,196.60	0.08	0.83	1,381.32	0.48
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	1,015.81	0.06	0.70	2.48	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	2,068,460.90	162.54	1,772.54		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	973.01	0.08	0.83	1,062.85	0.46
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	825.09	0.06	0.71	2.05	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	1,392,612.36	162.54	1,791.26		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	661.61	0.08	0.85	566.20	0.36
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	555.51	0.06	0.71	1.40	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	1,179,790.38	162.50	1,792.18		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	570.60	0.08	0.87	365.40	0.28
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	SO2	470.29	0.06	0.71	1.21	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	1,215,735.86	162.53	1,790.74		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	577.02	0.08	0.85	523.22	0.39
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	SO2	484.82	0.06	0.71	1.26	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	1,299,697.68	162.56	1,784.07		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	646.01	0.08	0.89	240.39	0.16
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	SO2	518.55	0.06	0.71	1.38	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	839,712.58	120.00	779.39		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	56.02	0.01	0.05	77.86	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	843,939.88	120.00	777.42		

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	56.45	0.01	0.05	86.79	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	27,587.20	120.00	1,057.94		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	1.36	0.01	0.05	2.07	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	28,350.48	120.00	1,059.40		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	1.39	0.01	0.05	2.06	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	268,319.33	117.00	1,750.79		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	272.91	0.12	1.78	256.77	0.84
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	41,110.88	117.00	1,729.49		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	41.81	0.12	1.76	34.49	0.73
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	38,056.00	117.00	1,733.92		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	38.71	0.12	1.76	26.93	0.61
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	330,802.14	117.00	1,742.81		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	336.46	0.12	1.77	247.57	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	42,264.93	117.00	1,727.18		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	42.99	0.12	1.76	36.38	0.74
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	23,493.57	117.00	1,728.36		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	23.90	0.12	1.76	19.77	0.73
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	36,428.31	117.00	1,728.34		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	37.05	0.12	1.76	21.36	0.51
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	298,469.15	117.00	1,739.31		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	303.57	0.12	1.77	215.68	0.63
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	41,939.75	117.00	1,725.24		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	42.66	0.12	1.75	31.64	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	23,493.57	117.00	1,728.36		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	23.90	0.12	1.76	19.77	0.73
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	18,866.77	117.00	1,736.55		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	19.19	0.12	1.77	16.21	0.75
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	12,700.68	117.00	1,743.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	12.92	0.12	1.77	12.45	0.85
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	29,028.22	117.00	1,735.98		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	29.52	0.12	1.77	27.46	0.82

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	20,568.45	117.00	1,741.32		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	20.92	0.12	1.77	29.13	1.23
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	306,532.46	117.00	1,742.39		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	311.77	0.12	1.77	240.19	0.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	41,922.80	117.00	1,727.60		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	42.64	0.12	1.76	31.60	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	41,512.92	117.00	1,731.94		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	42.22	0.12	1.76	26.94	0.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	351,082.49	117.00	1,739.88		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	357.08	0.12	1.77	265.88	0.66
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	51,615.17	117.00	1,731.79		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	52.50	0.12	1.76	34.23	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	20,634.79	117.00	1,734.23		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	20.99	0.12	1.76	16.21	0.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	12,290.21	117.00	1,739.22		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	12.50	0.12	1.77	2.98	0.21
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	22,385.89	117.00	1,728.77		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	22.77	0.12	1.76	19.37	0.75
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	351,082.49	117.00	1,739.88		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	357.08	0.12	1.77	265.88	0.66
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	49,175.23	117.00	1,733.69		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	50.02	0.12	1.76	36.39	0.64
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	34,114.69	117.00	1,733.03		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	34.70	0.12	1.76	27.47	0.70
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	26,792.96	117.00	1,735.97		

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	22.90	0.12	1.75	14.23	0.54

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2029	DEKY	KY Core	Proj New F	1.00	1.00	50.00	95,170.49
DEKY 2024	0	2031	DEKY	KY Core	Proj New S	1.00	1.00	50.00	106,955.73
DEKY 2024	0	2033	DEKY	KY Core	Proj New S	1.00	2.00	100.00	105,808.52
DEKY 2024	0	2035	DEKY	KY Core	Proj New S	1.00	3.00	150.00	108,372.84
DEKY 2024	0	2037	DEKY	KY Core	Proj New S	1.00	4.00	200.00	110,849.59
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,418,111.25
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	144,243.84
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	1.00	5.00	250.00	113,388.73

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost (000)	Profitability (000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost (000)	Capacity Market Cost (000)	Sales Value (000)	Purchase Cost (000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2024	809.07	809.07	1,183.00		9.47	60.41	887.46	4,284.00	448.42	2,138.03	2,633.83	112,489.81	13,660.23	44.78	46.42	117,899.82			26,104.47	84,718.46	43.15	50.91	39.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.07	809.07	809.07									17.60	
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2025	809.07	809.07	1,183.00		9.47	60.41	887.46	4,284.00	448.42	2,138.03	2,633.83	112,489.81	13,660.23	44.78	46.42	117,899.82			26,104.47	84,718.46	43.15	50.91	39.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.07	809.07	809.07									17.60	
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2026	812.20	812.20	1,183.06		9.30	60.30	887.77	4,290.62	573.91	1,581.93	3,282.60	130,811.87	13,075.89	39.85	46.59	130,811.90			29,853.77	61,860.07	45.32	53.79	37.89	0.55	0.55	0.55	0.00	0.00	0.00	0.00				812.20	808.47	808.47									17.60	
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	729.66	1,514.16	3,699.23	135,143.55	55,307.26	32.50	47.50	135,143.59			32,968.47	59,558.24	45.93	54.30	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.22	808.22	4,120.27								17.60	
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2028	812.09	812.09	1,183.19		9.30	60.15	887.58	4,290.55	652.80	1,456.22	3,487.13	113,702.92	45,626.55	32.61	45.42	113,702.94			28,351.71	63,893.82	44.27	52.53	37.11	0.50	0.50	0.50	0.00	0.00	0.00	0.00				812.09	808.36	808.36	39,938.58								17.63	
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2029	812.10	812.10	1,183.25		9.29	60.12	887.49	4,290.49	681.29	1,398.54	3,407.25	126,589.16	43,867.95	35.56	45.66	126,589.18			31,582.13	62,289.97	44.58	52.87	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00				812.10	808.43	808.43	441,622.86								17.60	
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2030	812.30	812.30	1,183.31		9.28	60.03	887.40	4,362.30	691.29	1,496.54	3,557.35	126,589.16	43,867.95	35.56	45.66	126,589.18			29,628.85	65,750.82	45.28	53.47	38.14	0.37	0.37	0.37	0.00	0.00	0.00	0.00				812.30	826.35	826.35	557,749.45								17.60	
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2031	827.36	827.36	1,183.19		7.27	60.30	887.49	4,570.05	603.76	1,522.35	3,451.46	124,760.89	42,294.98	36.15	46.49	124,760.89			26,628.85	65,750.82	45.28	53.47	38.14	0.37	0.37	0.37	0.00	0.00	0.00	0.00				827.36	826.35	826.35	557,749.45								17.60	
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2032	831.22	831.22	1,387.05		-6.06	60.12	780.88	4,389.82	149.54	2,522.72	2,016.64	47,739.94	64,517.73	22.84	49.81	47,741.50			10,147.69	116,605.21	48.96	54.35	44.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00				831.22	778.19	771.24	157,571.37	92,341.67		19.46	5.62	1,527.79			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2033	838.32	838.32	1,487.05		-5.96	59.92	788.38	4,400.48	83.63	2,483.01	2,001.11	27,183.11	76,563.71	13.13	48.13	27,184.83			4,429.53	112,529.86	47.36	52.52	42.86	0.19	0.19	0.19	0.00	0.00	0.00	0.00				838.32	794.31	785.49	140,613.79	109,603.72		18.07	4.32	1,692.31			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2034	845.89	845.89	1,607.05		-4.58	59.83	822.38	4,524.76	76.67	2,057.91	1,543.54	-11,173.09	90,706.51	-6.46	46.46	-11,173.06			4,362.50	135,987.58	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00				845.89	810.57	810.57	135,455.57	138,861.55		27.71	4.70	1,403.07			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2035	851.89	851.89	1,607.05		-4.58	59.93	822.38	4,524.76	76.67	2,057.91	1,543.54	-11,173.09	90,706.51	-6.46	46.46	-11,173.06			4,362.50	135,987.58	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00				851.89	810.57	810.57	135,455.57	138,861.55		27.71	4.70	1,403.07			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2036	872.04	872.04	1,637.05		-5.69	59.54	822.38	4,560.76	64.79	3,062.91	1,562.64	-10,853.28	92,740.39	-6.40	47.52	-10,853.83			3,664.39	138,540.10	46.74	51.27	42.78	0.14	0.14	0.14	0.00	0.00	0.00	0.00				872.04	831.96	825.88	169,916.52	139,227.03		32.66	2.72	1,418.41			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2037	882.06	882.06	1,787.05		-5.92	59.24	829.88	4,577.21	153.92	2,870.61	1,822.53	-15,776.41	127,238.03	-16.26	48.73	-15,776.58			6,484.10	134,153.57	48.02	52.21	44.34	0.14	0.14	0.14	0.00	0.00	0.00	0.00				882.06	904.24	860.64	132,848.47	166,659.50		36.39	4.05	1,696.09			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2038	891.68	891.68	1,837.05		-5.81	58.93	839.88	4,602.93	123.05	2,819.32	1,906.66	-36,928.15	139,070.38	-18.08	50.40	-36,926.19			7,016.88	136,899.80	49.70	53.77	46.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00				891.68	812.81	808.29	138,767.47	182,815.40		34.12	2.93	1,792.12			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2039	901.87	901.87	1,932.05		-6.80	58.60	854.88	4,629.70	80.57	3,090.84	1,666.39	-50,247.48	159,564.07	-26.54	50.69	-50,248.42			4,488.28	150,538.35	51.21	54.91	48.07	0.17	0.17	0.17	0.00	0.00	0.00	0.00				901.87	843.91	841.82	107,879.46	196,985.94		41.62	3.73	1,655.02			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Core	2040	909.62	909.62	1,955.05		-6.80	58.55	856.88	4,676.95	80.57	3,090.84	1,666.39	-64,649.80	173,147.10	-35.99	51.89	-64,648.12			4,488.28	150,538.35	51.21	54.91	48.07	0.17	0.17	0.17	0.00	0.00	0.00	0.00				909.62	843.91	841.82	107,879.46	196,985.94		41.62	3.73	1,655.02			
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2024							0.00	1,635.65	1,041.27	0.00			0.00				2,794.94		56,527.51	53,532.56	39.39	48.49	31.44																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2025							0.00	2,108.59	448.42	0.00			0.00				60,123.99		84,718.44	24,594.46	43.15	52.01	35.43																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2026							0.00	1,581.93	573.91	0.00			0.00				36,006.29		65,860.06	20,853.76	45.32	53.79	37.89																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2027							0.00	1,514.16	729.66	0.00			0.00				32,968.47		59,558.24	20,853.76	45.93	54.30	38.57																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2028							0.00	1,456.22	652.80	0.00			0.00				28,351.71		63,893.82	20,853.71	44.27	52.53	37.11																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2029							0.00	1,431.62	561.72	0.00			0.00				31,582.13		62,289.97	24,403.32	43.58	51.82	36.39																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2030							0.00	1,496.54	691.29	0.00			0.00				26,797.83		62,289.98	33,582.14	44.58	52.87	37.49																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2031							0.00	1,522.35	603.76	0.00			0.00				36,121.98		65,750.81	29,628.83	45.28	53.47	38.14																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2032							0.00	2,016.64	149.54	0.00			0.00				10,147.69		10,147.69	4,429.53	48.96	54.35	44.21																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2033							0.00	2,483.01	83.63	0.00			0.00				108,169.34		112,529.87	4,429.54	47.36	52.52	42.86																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2034							0.00	2,524.04	135.48	0.00			0.00				104,634.36		111,767.78	7,133.42	46.10	50.82	42.02																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2035							0.00	3,057.91	76.67	0.00			0.00				113,625.09		135,987.58	4,362.49	45.99	50.48	42.08																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2036							0.00	3,062.91	64.79	0.00			0.00				134,875.70		138,540.09	3,664.39	46.74	51.27	42.78																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2037							0.00	2,870.61	153.92	0.00			0.00				132,848.47		134,153.57	1,305.10	48.02	52.21	44.34																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2038							0.00	2,819.32	123.05	0.00			0.00				138,861.55		136,899.80	7,016.88	49.70	53.77	46.13																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2039							0.00	2,900.02	120.23	0.00			0.00				135,943.95		142,642.36	6,698.41	49.88	53.74	46.51																								
DIXY 2024-IRP 111 0§2 Retire '32 - New Settings.PC	0	DIXY	49-Market	2040							0.00	3,090.84	80.57	0.00			0.00				154,050.06		158,538.36	4,488.29	51.21	54.91	48.07																								

Scenario	RunID	BA	Area	Type	Resource	Year	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,480.20	28.09			2,893.00	7.00	10,773.79	15,997,140.34	42,175.99	585.68	2.67	1,535.30	20,017.71	63,888.68	43.16		63,888.68	63,888.68								49.01	72,550.83			0.00	8,661.95			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.29	2,289.00	43.55			4,560.00	9.00	10,794.77	24,773,207.94	64,395.45	1,062.36	2.64	1,456.20	32,326.15	99,240.16	43.36	37,196.83	136,436.99	99,240.15								47.92	109,698.60			0.00	-26,738.39			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	3,132.40	59.41			5,630.00	11.00	10,689.53	33,455,196.13	72,728.05	1,139.50	2.21	1,823.80	45,722.99	121,414.34	38.88	76,066.69	197,481.02	121,414.35								48.92	152,734.07			0.00	-44,746.96			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,533.10	67.22			5,928.00	10.00	10,619.80	37,591,919.25	83,982.48	1,779.61	2.28	1,700.00	23,564.54	111,026.63	31.42		111,026.63	111,026.65								46.67	164,894.68			0.00	53,868.05			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,612.80	64.75			5,765.00	10.00	10,626.14	36,935,981.75	83,695.27	1,453.88	2.34	1,742.00	23,417.94	110,109.60	32.26		110,109.60	110,109.59								45.32	164,658.93			0.00	44,549.34			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,295.50	62.70			5,711.00	8.00	10,650.49	35,155,563.00	84,470.71	1,688.56	2.45	1,607.40	23,380.17	111,156.84	33.73		111,156.84	111,156.83								44.59	146,944.59			0.00	35,787.76			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	3,265.80	62.13			5,611.00	7.00	10,642.22	34,805,116.25	84,767.34	1,176.91	2.47	1,281.70	23,842.98	111,068.92	34.01		111,068.92	111,068.92								47.01	153,511.41			0.00	42,442.48			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.03	3,263.40	62.09			5,591.00	9.00	10,639.51	34,784,955.25	86,051.57	1,648.16	2.52	1,688.40	24,482.01	113,870.14	34.89		113,870.14	113,870.12								47.42	154,753.98			0.00	40,883.84			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2032	1.00	425.50	312.45	94.88	1,406.69	39.25			27.00	3,505.91	34.82	9,304.30	13,088,249.34	55,453.66	74.26	4.24	1,043.62	2,459.47	59,031.01	41.96	17,464.46	76,495.47	59,032.07	0.32		1,056.72				55.39	77,909.75	1.06		0.00	1,415.34			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2033	1.00	425.50	312.45	95.02	1,327.44	37.15			20.00	3,305.71	40.29	9,307.22	12,354,811.49	56,237.38	80.95	4.56	1,237.66	2,378.94	59,934.93	45.15	17,901.07	77,836.00	59,935.93	0.27		1,000.58				53.19	70,610.05	1.00		0.00	-17,325.94			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2034	1.00	425.50	312.45	95.26	1,138.56	31.86			18.00	2,841.02	39.27	9,313.19	10,603,592.22	49,352.45	72.85	4.66	1,236.73	2,091.44	52,753.47	46.33	18,348.59	71,102.06	52,754.33	0.32		858.99				52.94	60,271.08	0.86		0.00	-10,830.12			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2035	1.00	425.50	312.45	95.11	656.27	18.37			1.00	1,608.57	23.61	9,271.52	6,084,631.96	31,567.27	37.20	5.19	762.12	1,226.66	33,602.25	51.20	18,803.21	52,409.56	33,602.74			496.00				56.40	37,027.59	0.50		0.00	-15,381.47			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2036	1.00	425.50	312.45	95.31	673.23	18.79			3.00	1,660.12	25.56	9,286.10	6,251,677.71	33,054.97	40.12	5.29	845.69	1,299.28	35,240.05	52.34	19,277.49	54,517.54	35,240.56			508.78				57.12	38,453.28	0.51		0.00	-16,063.75			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2037	1.00	425.50	312.45	95.31	605.55	16.95			4.00	1,494.07	22.61	9,287.34	5,623,884.03	30,961.90	29.13	5.55	766.82	1,197.88	32,955.73	54.42	19,759.43	52,715.16	32,956.19			457.14				59.63	36,110.97	0.46		0.00	-16,603.73			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2038	1.00	425.50	312.45	95.31	603.27	16.88			2.00	1,486.07	25.41	9,284.91	5,601,313.63	32,431.41	26.06	5.79	883.38	1,229.20	34,544.05	57.29	20,253.41	54,837.46	34,544.50			456.27				61.45	37,072.88	0.46		0.00	-17,744.13			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2039	1.00	425.50	312.45	95.35	427.13	11.95				1,042.82	15.56	9,258.22	3,954,489.75	23,938.59	13.79	6.06	554.27	887.71	25,392.36	59.45	20,759.75	46,152.11	25,392.68			323.92				63.82	27,174.28	0.33		0.00	-18,977.71			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2040	1.00	425.50	312.45	95.19	242.23	6.79				583.57	8.90	9,223.03	2,233,765.87	14,513.72	7.13	6.59	325.11	516.05	15,371.41	63.45	21,278.74	36,650.15	15,371.59			182.33				68.63	16,629.24	0.18		0.00	-20,021.73			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2024	1.00	94.00	57.92	89.67	9.88	1.29				3,150.00	33.50	14,752.44	495,000.00	14,752.44	29.94	3.60	62.00	1,062.00	15,814.44	60.05		15,814.44	15,814.44								68.02	672.14			0.00	-15,142.30			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2025	1.00	94.00	57.92	74.77	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	176.90	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.33			0.00	224.09			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2026	1.00	94.00	57.92	89.84	26.05	3.41				279.00	12.00	14,805.94	362,508.89	1,452.05	13.77	4.04	76.80	1,528.85	63.05		1,528.85	1,542.62								71.99	1,825.43			0.00	166.29			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2027	1.00	94.00	57.92	89.84	24.47	3.20				119.00	7.00	14,947.66	147,844.84	567.04	14.76	3.94	46.20	628.00	63.56		628.00	628.00								67.15	1,643.00			0.00	100.38			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2028	1.00	94.00	57.92	89.67	9.88	1.29				119.00	7.00	14,947.66	147,844.84	567.04	14.76	3.94	46.20	628.00	63.56		628.00	628.00								68.02	672.14			0.00	44.14			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2029	1.00	94.00	57.92	85.86	17.85	2.33				711.00	20.00	14,918.56	266,419.59	946.28	12.21	3.60	150.00	1,062.09	56.71		1,062.09	1,012.09								59.41	1,060.26			0.00	48.17			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2030	1.00	94.00	57.92	85.05	46.25	6.05				527.00	14.00	14,803.01	684,874.09	2,451.13	26.93	3.62	96.60	2,574.67	55.67		2,574.67	2,574.67								58.21	2,692.19			0.00	117.52			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2031	1.00	94.00	57.92	86.21	27.27	3.57				289.00	7.00	14,825.71	404,536.63	1,653.94	22.95	4.15	71.00	1,747.90	60.49		1,747.90	1,747.90								67.65	1,844.98			0.00	97.09			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2032	1.00	94.00	57.92	85.05	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00	1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89			0.00	75.74			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2033	1.00	94.00	57.92	84.91																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2034	1.00	94.00	57.92	85.71																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2035	1.00	94.00	57.92	85.61																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2036	1.00	94.00	57.92	85.05																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2037	1.00	94.00	57.92	85.05																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2038	1.00	94.00	57.92	86.21																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2039	1.00	94.00	57.92	85.20																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 1	2040	1.00	94.00	57.92	86.45																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2024	1.00	94.00	67.62	87.63	376.02	48.56			4,450.00	73.00	14,924.06	5,613,231.67	12,917.39	278.54	2.35	430.70	0.00	13,626.62	36.24		13,626.62	13,626.62								44.51	16,737.72			0.00	3,111.10			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2025	1.00	94.00	67.62	73.28	50.54	6.55				566.00	29.00	14,745.91	745,852.49	2,722.99	36.38	3.70	176.90	3,036.87	58.10		3,036.87	2,936.27								62.68	3,167.61			0.00	231.34			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2026	1.00	94.00	67.62	87.76	25.68	3.33				290.00	13.00	14,770.09	379,598.43	1,573.68	19.76	4.20	80.60	1,674.05	65.18		1,674.05	1,674.05								71.80	1,841.89			0.00	169.84			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2027	1.00	94.00	67.62	88.07	25.49	3.30				290.00	13.00	14,798.83	377,480.29	1,503.16	16.22	4.03	83.20	0.00	1,602.58	62.87		1,602.58	1,602.58								66.97	1,706.96			0.00	104.38			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2028	1.00	94.00	67.62	87.84	8.43	1.09				102.00	6.00	14,958.22	126,298.63	495.90	15.05	4.05	39.60	535.65	63.57		535.65	550.55								58.73	497.62			0.00	47.06			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2029	1.00	94.00	67.62	84.82	17.97	2.33				211.00	8.00	14,898.32	267,935.48	951.49	12.46	3.60	53.60	0.00	1,057.54	56.62		1,057.54	1,017.54								59.45	1,068.41			0.00	50.86			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2030	1.00	94.00	67.62	84.82	44.63	5.78				505.00	14.00	14,781.84	660,266.82	2,411.26	27.48	3.69	96.60	2,570.61	56.51		2,570.61	2,705.61								58.73	2,835.51			0.00	125.91			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2031	1.00	94.00	67.62	84.66	28.79	3.73				330.00	11.00	14,812.67	426,658.04	1,730.45	26.58	4.12	78.10	0.00	1,835.13	63.75		1,835.13	1,835.13								64.84	1,936.00			0.00	102.87			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2032	1.00	94.00	67.62	85.35	26.16	3.38				289.00	5.00	14,709.87	384,885.87	1,707.95	14.23	4.47	36.00	0.00	1,758.19	67.21		1,758.19	1,758.19								70.20	1,836.31			0.00	78.13			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2033	1.00	94.00	67.62	85.08																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2034	1.00	94.00	67.62	84.90																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2035	1.00	94.00	67.62	85.09																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2036	1.00	94.00	67.62	85.48																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2037	1.00	94.00	67.62	85.44																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2038	1.00	94.00	67.62	84.22																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2039	1.00	94.00	67.62	84.51																																			
DEKY 2024 RP 111 E82 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodside 2	2040	1.00	94.00	67.62	85.21																																			
DEKY 2024 RP 111 E82 Retire

DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0 DEKY	KY Core	Storage:Battery	New Solar+Storage DEK - Battery	2038	3.00	75.00	43.50	100.00	0.00	0.00	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0 DEKY	KY Core	Storage:Battery	New Solar+Storage DEK - Battery	2039	4.00	100.00	58.00	100.00	0.00	0.00	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0 DEKY	KY Core	Storage:Battery	New Solar+Storage DEK - Battery	2040	4.00	100.00	58.00	100.00	0.00	0.00	0.00

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,642,106.21	205.30	2,218.76		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	622.98	0.08	0.84	583.19	0.39
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,039.81	0.13	1.40	2.50	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,542,969.27	205.30	2,221.90		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	946.85	0.08	0.83	1,058.49	0.46
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,610.26	0.13	1.41	3.86	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,434,175.90	205.30	2,199.70		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,320.24	0.08	0.85	1,134.28	0.36
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,174.59	0.13	1.39	5.22	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,858,810.78	205.30	2,184.38		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,449.67	0.08	0.82	1,773.75	0.50
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,443.48	0.13	1.38	5.86	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,729,888.70	205.30	2,185.82		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,424.54	0.08	0.83	1,448.22	0.42
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,361.84	0.13	1.38	5.67	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,608,718.45	205.30	2,190.09		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,351.12	0.08	0.82	1,693.09	0.51
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,285.11	0.13	1.39	5.48	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,572,745.23	205.30	2,187.98		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,384.98	0.08	0.85	1,171.48	0.36
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	2,262.33	0.13	1.39	5.43	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,570,676.05	205.30	2,188.32		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,341.04	0.08	0.82	1,642.74	0.50
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	2,261.02	0.13	1.39	5.43	0.00
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2032	CO2	785,295.05	120.00	1,116.52		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2032	NOx	52.68	0.01	0.07	74.26	0.05
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2032	SO2	13.17	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2033	CO2	741,288.70	120.00	1,116.87		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2033	NOx	49.71	0.01	0.07	80.95	0.06
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2033	SO2	12.43	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2034	CO2	636,215.62	120.00	1,117.58		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2034	NOx	42.64	0.01	0.07	72.85	0.06
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2034	SO2	10.66	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2035	CO2	365,077.89	120.00	1,112.58		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2035	NOx	24.58	0.01	0.07	37.20	0.06
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2035	SO2	6.14	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2036	CO2	375,100.66	120.00	1,114.33		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2036	NOx	25.21	0.01	0.07	40.12	0.06
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2036	SO2	6.30	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2037	CO2	337,439.01	120.00	1,114.48		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2037	NOx	22.68	0.01	0.07	29.13	0.05
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2037	SO2	5.67	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2038	CO2	336,078.83	120.00	1,114.19		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2038	NOx	22.59	0.01	0.07	26.06	0.04
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2038	SO2	5.65	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2039	CO2	237,269.36	120.00	1,110.99		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2039	NOx	16.00	0.01	0.07	13.79	0.03
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2039	SO2	4.00	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2040	CO2	134,025.92	120.00	1,106.52		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2040	NOx	9.07	0.01	0.07	7.13	0.03
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT Adv DEKY	2040	SO2	2.27	0.00	0.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	271,778.49	117.00	1,755.52		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	276.42	0.12	1.79	266.46	0.86

DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	40,065.12	117.00	1,732.70		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	40.75	0.12	1.76	26.93	0.58
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	23,665.39	117.00	1,735.51		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.07	0.12	1.77	22.95	0.84
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	328,373.92	117.00	1,746.59		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	333.99	0.12	1.78	278.54	0.74
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	43,632.37	117.00	1,726.68		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	44.38	0.12	1.76	36.38	0.72
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	7,388.47	117.00	1,751.86		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	7.51	0.12	1.78	15.05	1.78
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	38,613.90	117.00	1,730.25		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	39.27	0.12	1.76	27.48	0.62
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	24,959.49	117.00	1,734.02		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	25.39	0.12	1.76	26.58	0.92
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	308,824.85	117.00	1,746.48		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	314.10	0.12	1.78	242.32	0.69
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	39,895.01	117.00	1,723.36		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	40.58	0.12	1.75	25.92	0.56
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	12,316.87	117.00	1,717.59		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	12.53	0.12	1.75	4.56	0.32
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	18,866.77	117.00	1,736.55		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	19.19	0.12	1.77	16.21	0.75
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	7,388.47	117.00	1,751.86		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	7.51	0.12	1.78	15.05	1.78
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	5,159.12	117.00	1,753.61		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	5.25	0.12	1.78	6.12	1.04
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	34,877.52	117.00	1,730.89		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	35.47	0.12	1.76	27.47	0.68
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	21,063.95	117.00	1,727.76		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	21.42	0.12	1.76	15.67	0.64
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	308,459.98	117.00	1,742.18		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	313.73	0.12	1.77	240.19	0.68
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	8.80	0.12	1.78	14.76	1.49

DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	41,512.92	117.00	1,731.94		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	42.22	0.12	1.76	26.94	0.56
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	349,795.42	117.00	1,739.98		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	355.77	0.12	1.77	265.88	0.66
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	21,430.62	117.00	1,728.14		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	21.80	0.12	1.76	17.59	0.71
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	20,715.16	117.00	1,734.14		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	21.07	0.12	1.76	16.21	0.68
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	348,304.51	117.00	1,737.97		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	354.26	0.12	1.77	258.11	0.64
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	40,341.15	117.00	1,730.71		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	41.03	0.12	1.76	27.48	0.59
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	18,755.22	117.00	1,717.51		
DEKY 2024 IRP 111 EB2 Retire '32 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	19.08	0.12	1.75	7.53	0.34

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2032	DEKY	KY Core	Proj New A	1.00	1.00	425.50	565,442.44
DEKY 2024	0	2032	DEKY	KY Core	Proj New B	1.00	1.00	50.00	118,749.78
DEKY 2024	0	2032	DEKY	KY Core	Proj New S	1.00	1.00	50.00	105,927.38
DEKY 2024	0	2032	DEKY	KY Core	Proj New S	3.00	3.00	210.00	492,884.91
DEKY 2024	0	2033	DEKY	KY Core	Proj New S	2.00	3.00	150.00	211,617.03
DEKY 2024	0	2034	DEKY	KY Core	Proj New S	2.00	5.00	250.00	214,183.13
DEKY 2024	0	2035	DEKY	KY Core	Proj New B	1.00	2.00	100.00	121,662.91
DEKY 2024	0	2037	DEKY	KY Core	Proj New S	3.00	8.00	400.00	332,548.81
DEKY 2024	0	2038	DEKY	KY Core	Proj New V	1.00	1.00	50.00	151,120.56
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	1.00	4.00	280.00	177,298.09

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non-Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2024	807.01	807.01	1,183.53		9.45	60.40	888.04	4,288.50	614.38	1,875.14	3,227.76	133,239.05	37,553.55	41.28	45.49	150,220.92			41,007.90	75,003.64	44.19	52.97	36.51	0.76	0.76	0.76	0.76	0.00	0.00	0.00	0.00			807.01	807.01	807.01											17.63	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2025	807.57	807.57	1,182.00		9.30	60.30	887.77	4,290.42	613.20	1,359.72	3,544.10	138,712.51	75,603.96	39.14	59.51	138,751.54			39,650.69	75,413.84	44.19	52.58	36.51	0.49	0.49	0.49	0.49	0.00	0.00	0.00	0.00			807.57	807.57	807.57											17.60	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2026	812.20	812.20	1,181.06		9.30	60.30	887.77	4,290.42	613.20	1,359.72	3,544.10	138,712.51	75,603.96	39.14	59.51	138,751.54			39,179.88	76,212.45	58.03	66.25	50.81	0.46	0.46	0.46	0.46	0.00	0.00	0.00	0.00			812.20	808.47	808.47											17.60	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	650.62	1,366.51	3,568.84	114,835.60	92,553.35	32.18	59.18	114,835.62			34,305.68	80,675.07	57.82	65.70	50.89	0.44	0.44	0.44	0.44	0.00	0.00	0.00	0.00			811.95	808.22	808.22	29,989.47										17.54	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2028	812.09	812.09	1,183.19		9.30	60.15	887.58	4,290.55	625.25	1,417.69	3,487.91	115,847.18	89,264.08	33.21	58.90	115,847.19			35,358.53	80,940.36	57.52	65.14	50.92	0.42	0.42	0.42	0.42	0.00	0.00	0.00	0.00			812.09	808.36	808.36	94,257.78										17.41	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2029	812.17	812.17	1,233.19		9.53	60.19	889.58	4,282.49	618.92	1,371.65	3,529.75	113,474.46	96,779.38	32.15	58.39	113,474.51			34,284.99	74,987.36	57.04	64.53	50.51	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00			812.17	794.71	794.71	41,568.15	10,343.07									112.95	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2030	827.36	827.36	1,283.19		7.65	60.30	891.99	4,375.05	535.89	1,648.32	3,257.63	154,572.85	56,639.48	47.45	60.84	154,573.02			32,956.28	87,621.92	58.31	66.15	53.35	0.36	0.36	0.36	0.36	0.00	0.00	0.00	0.00			827.36	816.16	816.16	43,431.65	20,030.42									119.03	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2031	831.22	831.22	1,283.19		7.18	60.12	890.89	4,389.82	560.62	1,692.71	3,257.93	164,225.27	57,836.76	50.41	62.70	164,234.14			37,021.14	90,216.79	61.27	66.82	56.39	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00			831.22	787.92	787.92	59,282.28	18,172.15									117.45	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2032	838.32	838.32	1,333.19		6.57	59.92	893.39	4,400.48	429.66	1,941.65	2,888.50	140,944.93	48,846.79	48.80	58.53	140,945.25			27,814.02	95,589.00	57.06	61.42	53.26	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00			838.32	808.83	808.83	66,259.77	23,646.40									325.92	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2033	843.73	843.73	1,333.19		5.89	59.81	893.39	4,420.26	448.24	1,955.09	2,913.40	146,049.62	46,336.64	50.13	57.97	146,049.94			29,575.40	93,433.29	56.51	60.10	53.41	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00			843.73	812.04	812.04	143,921.58	23,974.20									324.83	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2034	861.89	861.89	1,383.19		3.95	59.93	895.89	4,524.78	331.14	2,361.15	2,494.19	135,692.78	54,982.21	46.79	60.07	136,702.17	-0.34		23,666.01	123,785.36	58.70	62.02	55.81	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00			861.89	829.87	829.87	262,523.38	33,943.96									405.14	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2035	872.04	872.04	1,383.19		2.74	59.54	895.89	4,560.76	349.39	2,369.98	2,604.37	135,938.85	57,117.59	48.95	62.00	135,938.32			24,915.76	134,675.14	60.40	63.54	57.80	0.31	0.31	0.31	0.31	0.00	0.00	0.00	0.00			872.04	851.27	851.27	294,444.82	33,905.70									438.16	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2036	881.68	881.68	1,433.19		1.75	58.93	898.39	4,602.93	327.50	2,559.07	2,611.36	121,575.01	65,048.41	46.56	62.49	121,594.07			24,708.09	125,738.58	61.17	63.00	59.57	0.31	0.31	0.31	0.31	0.00	0.00	0.00	0.00			881.68	832.22	832.22	362,423.61	43,057.34									545.26	
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2037	901.87	901.87	1,545.45		0.26	58.60	904.22	4,629.70	261.93	2,253.20	2,638.44	92,271.35	96,502.39	34.97	63.87	92,272.68			20,039.78	127,386.21	62.57	63.39	61.85	0.22	0.22	0.22	0.22	0.00	0.00	0.00	0.00			901.87	857.23	857.23	87,658.92	170,616.42			20.48	1.08	1,902.65				
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Core	2040	909.62	909.62	1,545.45		-0.59	58.53	904.22	4,676.65	230.89	2,366.78	2,545.77	89,150.60	92,040.06	35.02	63.11	89,152.85			18,458.14	132,443.41	61.88	62.06	61.73	0.19	0.19	0.20	0.00	0.00	0.00	0.00	0.00			909.62	867.36	867.36	97,444.55	176,044.87			14.44	0.41	1,242.85				
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2024							0.00	1,875.14	814.38		0.00		0.00				34,555.74																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2025							0.00	1,359.72	613.20		0.00		0.00				39,650.69																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2026							0.00	1,359.72	613.20		0.00		0.00				43,010.57																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2027							0.00	1,366.51	650.62		0.00		0.00				46,169.40																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2028							0.00	1,427.89	625.25		0.00		0.00				47,181.83																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2029							0.00	1,571.65	618.92		0.00		0.00				39,802.37																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2030							0.00	1,694.22	463.57		0.00		0.00				61,612.40																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2031							0.00	1,648.32	535.89		0.00		0.00				54,665.64																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2032							0.00	1,692.71	560.62		0.00		0.00				57,836.76																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2033							0.00	1,941.65	429.66		0.00		0.00				67,774.38																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2034							0.00	1,955.09	448.24		0.00		0.00				63,857.89																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2035							0.00	2,361.73	331.14		0.00		0.00				100,129.35																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2036							0.00	2,305.98	349.39		0.00		0.00				99,751.38																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2037							0.00	2,253.20	261.93		0.00		0.00				92,271.35																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2038							0.00	2,319.07	327.50		0.00		0.00				101,032.30																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2039							0.00	2,253.20	261.93		0.00		0.00				107,346.44																															
DDDY 2024 RIP 111:E82:DPO:'30 - NG:CC Solar from 25- High Fuels - PC	0	DDDY	KY Market	2040							0.00	2,366.78	230.89		0.00		0.00				113,905.27																															

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	2,236.30	42.43				4,693.00	7.00	10,900.56	24,426,689.94	94,947.87		4.24	1,263.20		94,947.87		42.46	94,947.87	94,947.88								50.86	113,747.15			0.00	18,799.29			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	67.67	3,536.50	67.09				5,880.00	9.00	10,614.05	37,494,432.00	84,194.00		2.29	1,492.20	31,574.08	117,260.28	33.16	76,066.69	193,326.97	193,326.97								59.91	211,284.56			0.00	-3,493.64			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	3,536.50	67.09				5,880.00	9.00	10,614.05	37,494,432.00	84,194.00		2.29	1,492.20	51,382.94	138,711.51	39.33	76,066.69	214,778.20	214,778.20								59.91	211,284.56			0.00	-3,493.64			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,551.30	67.57				5,928.00	10.00	10,615.29	37,769,188.13	87,843.07		2.37	1,700.00	23,669.07	114,835.60	32.34		114,835.60	114,835.60								58.11	206,374.01			0.00	91,538.40			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,470.30	65.85				5,808.00	11.00	10,618.20	36,926,565.50	88,573.78		2.39	1,916.20	23,781.86	115,847.18	33.38		115,847.18	115,847.18								58.82	204,112.57			0.00	88,265.38			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,417.70	65.02				5,721.00	9.00	10,618.60	36,355,179.25	90,323.01		2.53	1,607.40	24,130.68	117,736.64	34.45		117,736.64	117,736.65								59.71	204,079.52			0.00	86,342.88			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	3,020.00	57.46				5,410.00	8.00	10,804.53	32,686,566.38	118,629.68	1,386.32	4.28	1,464.80	22,182.87	163,663.67	54.19	113,334.69	276,998.36	163,663.68								63.67	192,290.43			0.00	-84,707.92			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.03	3,038.60	57.81				5,361.00	8.00	10,785.24	32,828,909.50	138,178.11	1,378.82	4.25	1,500.80	22,890.04	163,947.77	53.96	17,228.00	181,175.77	163,947.77								65.51	199,048.54			0.00	17,872.77			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,010.70	57.54				5,302.00	9.00	10,774.49	32,739,775.53	146,185.32	1,449.21	4.51	1,730.70	23,506.50	171,871.74	57.00	17,228.00	190,099.74	171,871.75								68.95	209,104.37			0.00	19,004.63			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.30	2,562.10	48.75				4,596.00	11.00	10,805.06	27,763,867.22	132,247.40	1,159.26	4.81	2,168.10	20,538.43	156,113.18	60.93	17,228.00	173,341.18	156,113.18								68.01	174,254.01			0.00	912.83			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	2,588.10	49.24				4,715.00	12.00	10,825.38	28,102,496.50	136,407.53	1,286.25	4.90	2,425.20	21,426.25	161,595.23	62.44	17,228.00	178,823.23	161,595.24								69.67	177,719.83			0.00	-1,103.41			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.03	2,057.60	39.15				3,844.00	10.00	10,855.62	22,407,619.58	116,956.65	961.81	5.26	2,071.00	17,611.45	137,609.92	66.87	109,478.00	247,078.93	137,609.94								73.26	150,740.37			0.00	-98,538.56			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	1.00	600.00	498.96	66.30	1,586.60	30.19				2,961.00	9.00	10,886.00	17,270,446.00	102,015.75	741.00	5.91	1,596.00	13,458.00	117,473.75	74.03	17,228.00	134,701.75	117,473.75								79.61	116,164.00			0.00	-101,309.75			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	1.00	600.00	498.96	66.30	1,086.60	20.68				2,041.00	6.00	10,848.09	23,595,473.38	120,615.75	1,095.13	5.64	1,305.60	18,038.11	141,062.69	71.01	17,228.00	158,290.69	141,062.69								77.22	159,395.50			0.00	-4,895.13			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	2,065.10	39.29				3,906.00	8.00	10,870.56	22,505,676.38	128,285.94	797.29	5.74	1,784.00	19,367.30	150,234.54	72.75	17,228.00	167,462.54	150,234.55								77.73	160,523.73			0.00	-6,598.80			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	11.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00	0.01	0.03				1.00	1.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00	0.01	0.03				1.00	1.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00	0.01	0.03				1.00	1.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00	0.03	0.05				2.00	2.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00	0.03	0.05				2.00	2.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00	0.01	0.02				1.00	1.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00	0.01	0.02				1.00	1.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00	0.01	0.02				1.00	1.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00	0.02	0.03				2.00	2.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00	0.02	0.03				2.00	2.00																														
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2039	1.00	599.10	455.91	91.00	1,945.54	37.89			230.00	3,605.87	40.71	6,448.88	12,631,255.78	110,393.43	70.34	8.75			7,711.42	118,175.19	60.74	56,531.04	174,706.23	118,175.81	9.59	0.41	609.85						78.64	152,996.55		7.34	0.00	-21,702.34			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2040	1.00	599.10	455.91	91.38	1,853.75	36.00			350.00	5,403.03	36.08	6,445.81	12,023,958.21	108,365.05	81.80	9.02			7,531.25	115,896.31	62.56	57,944.31	173,832.62	115,978.65	4.14		550.92						79.18	146,785.52		0.92	0.00	-27,135.98			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK OP	2039	1.00	64.80	46.37	91.08	46.56	8.68			75.00	970.56	245.20	8,843.13	415,732.59	3,575.40	1.86	8.69			89.85	3,667.11	78.76		3,667.11	3,667.16	10.90	0.67	46.46						92.86	4,324.12		25.15	0.00	672.16			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK OP	2040	1.00	64.80	46.37	91.08	44.49	8.27			27.00	354.48	216.55	8,860.93	394,094.14	3,555.61	1.84	8.00			87.90	3,643.51	81.91		3,643.51	3,643.51	10.30	0.41	44.39						90.07	4,000.00		21.62	0.00	356.49			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combined Turbine	Woodsdale 1	2024	1.00	94.00	57.92	81.15	116.47	14.13				1,263.00	21.00	14,733.23	17,613,198.51	158,617.17	28.79	0.65	130.70	0.00	4,846.14	163,463.31	141.71		163,463.31	4,846.14									94.27	5,833.75			0.00	984.02			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combined Turbine	Woodsdale 1	2025	1.00	94.00	57.92	74.72	1.60	0.21				17.00	1.00	14,614.46	23,374.91	140.06	0.00	5.99	6.10	0.00	146.16	91.46			146.16	146.16									91.55	146.29			0.00	0.13			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2026	1.00	94.00	57.92	89.99																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2027	1.00	94.00	57.92	89.84																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2028	1.00	94.00	57.92	90.22																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2029	1.00	94.00	57.92	85.71																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2030	1.00	94.00	57.92	85.31																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2031	1.00	94.00	57.92	85.81																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2032	1.00	94.00	57.92	85.25	1.28	0.17				15.00	3.00	14,863.01	19,117.38	136.56	1.55	7.22	21.60	0.00	159.72	124.58			159.72	159.72									143.54	184.02			0.00	24.30			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2033	1.00	94.00	57.92	85.61	0.08	0.01				1.00	1.00	15,125.10	1,200.76	8.55	0.20	7.29	7.40	0.00	16.15	207.10			16.15	16.15									289.34	22.57			0.00	6.41			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2034	1.00	94.00	57.92	84.95	0.24	0.03				3.00	2.00	15,125.10	3,632.28	28.50	0.64	8.02	8.00	0.00	37.14	154.75			37.14	37.14									272.59	65.42			0.00	21.57			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2035	1.00	94.00	57.92	84.95	0.23	0.03				3.00	1.00	15,125.10	3,581.27	27.93	0.63	8.22	16.40	0.00	45.83	195.87			45.83	45.83									221.68	51.87			0.00	15.31			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2036	1.00	94.00	57.92	85.51	0.23	0.03				3.00	1.00	15,125.10	3,560.27	27.93	0.63	8.02	8.00	0.00	36.56	156.24			36.56	36.56									320.08	74.90			0.00	29.06			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2037	1.00	94.00	57.92	85.61	0.16	0.02				2.00	2.00	15,125.10	2,401.52	19.71	0.44	8.39	16.80	0.00	36.95	236.86			36.95	36.95									420.64	65.62			0.00	28.67			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2038	1.00	94.00	57.92	85.25																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2039	1.00	94.00	57.92	85.31																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2040	1.00	94.00	57.92	86.10																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2024	1.00	94.00	67.62	88.36	163.38	21.10				1,789.00	27.00	14,692.20	2,400,993.55	6,192.35	43.88	2.60	159.30	0.00	6,395.52	39.14			6,395.52	6,395.52									46.93	7,667.01			0.00	1,271.49			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2025	1.00	94.00	67.62	72.42	1.60	0.21				17.00	1.00	14,614.46	23,374.91	140.06	0.00	5.99	6.10	0.00	146.16	91.46			146.16	146.16									91.55	146.29			0.00	0.13			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2026	1.00	94.00	67.62	87.44																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2027	1.00	94.00	67.62	89.07																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2028	1.00	94.00	67.62	89.27																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2029	1.00	94.00	67.62	84.52																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2030	1.00	94.00	67.62	84.70																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2031	1.00	94.00	67.62	84.90																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2032	1.00	94.00	67.62	84.82	1.30	0.17				15.00	3.00	14,828.10	19,309.87	137.83	1.58	7.22	21.60	0.00	161.01	124.05			161.01	161.01									143.74	186.57			0.00	25.56			
DEKY 2024 RP 111 E82 DFO '30 - NS CC

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	2,502,290.84	204.88	2,237.88		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	926.46	0.08	0.83	1,020.38	0.46
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,584.50	0.13	1.42	3.80	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	3,306,923.44	204.94	2,193.07		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	1,271.03	0.08	0.84	1,140.11	0.38
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	2,094.01	0.13	1.39	5.03	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,842,235.16	204.95	2,179.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,461.76	0.08	0.83	1,636.55	0.46
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,432.98	0.13	1.38	5.84	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,869,709.06	204.91	2,179.32		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,472.18	0.08	0.83	1,617.58	0.46
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,450.38	0.13	1.38	5.88	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,782,484.07	204.87	2,179.92		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,439.64	0.08	0.83	1,569.60	0.45
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,395.14	0.13	1.38	5.75	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,725,290.88	204.94	2,180.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,409.04	0.08	0.82	1,669.90	0.49
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,358.93	0.13	1.38	5.66	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	2,657,020.79	162.58	1,759.62		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,253.42	0.08	0.83	1,383.78	0.46
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	1,060.46	0.06	0.70	2.55	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	2,668,596.56	162.58	1,756.46		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,262.60	0.08	0.83	1,376.27	0.45
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	1,065.09	0.06	0.70	2.56	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	2,661,196.11	162.57	1,755.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,253.50	0.08	0.83	1,446.67	0.48
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	1,061.96	0.06	0.70	2.55	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	2,256,064.96	162.53	1,761.11		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,066.97	0.08	0.83	1,157.06	0.45
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	899.72	0.06	0.70	2.20	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	2,283,615.20	162.52	1,764.70		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,069.78	0.08	0.83	1,284.00	0.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	910.56	0.06	0.70	2.26	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	1,820,782.67	162.51	1,769.81		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	857.46	0.08	0.83	959.98	0.47
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	725.94	0.06	0.71	1.83	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	1,913,447.24	162.53	1,767.78		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	896.70	0.08	0.83	1,094.85	0.51
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	SO2	763.14	0.06	0.71	1.96	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	1,755,178.70	162.57	1,767.02		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	817.40	0.08	0.82	1,091.40	0.55
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	SO2	700.40	0.06	0.71	1.83	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	1,829,060.46	162.54	1,771.40		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	878.92	0.08	0.85	795.36	0.39
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	SO2	729.59	0.06	0.71	1.94	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	757,875.40	120.00	779.09		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	50.58	0.01	0.05	70.34	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	721,437.52	120.00	778.36		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	48.20	0.01	0.05	81.80	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	24,703.96	120.00	1,061.18		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	1.21	0.01	0.05	1.86	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	23,657.76	120.00	1,063.67		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	1.16	0.01	0.05	1.84	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	100,221.00	117.00	1,723.94		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	101.93	0.12	1.75	55.72	0.48
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	1,118.37	117.00	1,744.72		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	1.14	0.12	1.77	1.55	1.21
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	70.24	117.00	1,801.14		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	0.07	0.12	1.83	0.20	2.57

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2034	CO2	70.24	117.00	1,801.14		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2034	NOx	0.07	0.12	1.83	0.20	2.62
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2035	CO2	209.50	117.00	1,790.64		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2035	NOx	0.21	0.12	1.82	0.62	2.66
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2036	CO2	208.28	117.00	1,780.14		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2036	NOx	0.21	0.12	1.81	0.63	2.70
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2037	CO2	209.50	117.00	1,790.64		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2037	NOx	0.21	0.12	1.82	0.65	2.77
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2038	CO2	140.49	117.00	1,801.14		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2038	NOx	0.14	0.12	1.83	0.44	2.84
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	140,458.03	117.00	1,719.39		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	142.86	0.12	1.75	43.88	0.27
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	1,129.63	117.00	1,740.57		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	1.15	0.12	1.77	1.58	1.22
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	71.65	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	0.07	0.12	1.82	0.20	2.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	71.65	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.07	0.12	1.82	0.21	2.61
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2035	CO2	213.73	117.00	1,781.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2035	NOx	0.22	0.12	1.81	0.63	2.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2036	CO2	212.50	117.00	1,770.82		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2036	NOx	0.22	0.12	1.80	0.64	2.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2037	CO2	213.73	117.00	1,781.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2037	NOx	0.22	0.12	1.81	0.66	2.75
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2038	CO2	143.30	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2038	NOx	0.15	0.12	1.82	0.45	2.82
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	135,887.60	117.00	1,718.17		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	138.21	0.12	1.75	32.43	0.21
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	1,129.63	117.00	1,740.57		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	1.15	0.12	1.77	1.58	1.22
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	71.65	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	0.07	0.12	1.82	0.20	2.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	71.65	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.07	0.12	1.82	0.21	2.61
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2035	CO2	213.73	117.00	1,781.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2035	NOx	0.22	0.12	1.81	0.63	2.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2037	CO2	213.73	117.00	1,781.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2037	NOx	0.22	0.12	1.81	0.66	2.75
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2038	CO2	143.30	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2038	NOx	0.15	0.12	1.82	0.45	2.82
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	147,790.20	117.00	1,719.10		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	150.32	0.12	1.75	38.77	0.23
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	1,118.37	117.00	1,744.72		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	1.14	0.12	1.77	1.55	1.21
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	70.24	117.00	1,801.14		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	0.07	0.12	1.83	0.20	2.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2034	CO2	70.24	117.00	1,801.14		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2034	NOx	0.07	0.12	1.83	0.20	2.62
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2035	CO2	209.50	117.00	1,790.64		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2035	NOx	0.21	0.12	1.82	0.62	2.66
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2036	CO2	208.28	117.00	1,780.14		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2036	NOx	0.21	0.12	1.81	0.63	2.70
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2037	CO2	209.50	117.00	1,790.64		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2037	NOx	0.21	0.12	1.82	0.65	2.77
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2038	CO2	140.49	117.00	1,801.14		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2038	NOx	0.14	0.12	1.83	0.44	2.84
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	156,635.02	117.00	1,721.04		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	159.31	0.12	1.75	53.86	0.30
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	1,129.63	117.00	1,740.57		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	1.15	0.12	1.77	1.58	1.22

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	71.65	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	0.07	0.12	1.82	0.20	2.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	71.65	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.07	0.12	1.82	0.21	2.61
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2035	CO2	213.73	117.00	1,781.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2035	NOx	0.22	0.12	1.81	0.63	2.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2036	CO2	212.50	117.00	1,770.82		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2036	NOx	0.22	0.12	1.80	0.64	2.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2037	CO2	213.73	117.00	1,781.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2037	NOx	0.22	0.12	1.81	0.66	2.75
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2038	CO2	143.30	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2038	NOx	0.15	0.12	1.82	0.45	2.82
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	156,635.02	117.00	1,721.04		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	159.31	0.12	1.75	53.86	0.30
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	1,129.63	117.00	1,740.57		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	1.15	0.12	1.77	1.58	1.22
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	71.65	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	0.07	0.12	1.82	0.20	2.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	71.65	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.07	0.12	1.82	0.21	2.61
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2035	CO2	213.73	117.00	1,781.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2035	NOx	0.22	0.12	1.81	0.63	2.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2036	CO2	212.50	117.00	1,770.82		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2036	NOx	0.22	0.12	1.80	0.64	2.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2037	CO2	213.73	117.00	1,781.06		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2037	NOx	0.22	0.12	1.81	0.66	2.75
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2038	CO2	143.30	117.00	1,791.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - High Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2038	NOx	0.15	0.12	1.82	0.45	2.82

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2029	DEKY	KY Core	Proj New F	1.00	1.00	50.00	95,170.49
DEKY 2024	0	2031	DEKY	KY Core	Proj New S	1.00	1.00	50.00	106,955.73
DEKY 2024	0	2033	DEKY	KY Core	Proj New S	1.00	2.00	100.00	105,808.52
DEKY 2024	0	2035	DEKY	KY Core	Proj New S	1.00	3.00	150.00	108,372.84
DEKY 2024	0	2037	DEKY	KY Core	Proj New S	1.00	4.00	200.00	110,849.59
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,418,111.25
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	144,243.84
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	1.00	5.00	250.00	113,388.73

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2024	807.65	807.65	1,182.93		9.95	66.45	888.04	4,288.50	933.15	1,760.26	3,461.39	115,790.22	28,651.79	34.61	36.95	119,790.24			44,772.04	54,790.24	35.75	49.53	28.96	0.91	0.91	0.91	0.00	0.00	0.00	0.00					807.65	803.47	803.47									17.63
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2025	809.17	809.17	1,182.00		9.67	66.41	887.86	4,284.00	669.50	2,888.06	2,005.44	90,923.57	11,535.42	44.02	40.06	90,913.53			34,652.22	104,180.25	38.90	46.61	32.18	0.58	0.58	0.58	0.00	0.00	0.00	0.00					809.57	808.57	808.57									17.60
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2026	812.20	812.20	1,183.06		9.30	66.30	887.77	4,290.62	578.86	1,833.62	3,035.87	119,048.64	24,079.51	39.21	42.11	119,048.68			28,874.54	66,431.21	40.96	48.45	34.38	0.56	0.56	0.56	0.00	0.00	0.00	0.00					812.20	808.47	808.47									17.60
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2027	812.09	812.09	1,183.19		9.30	66.15	887.58	4,290.55	696.59	1,674.46	3,153.68	108,129.96	40,794.96	30.80	41.47	108,129.98			26,796.11	57,819.99	40.40	47.84	33.95	0.52	0.52	0.52	0.00	0.00	0.00	0.00					812.09	808.36	808.36	94,257.78								17.63
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2028	812.09	812.09	1,183.19		9.30	66.15	887.58	4,290.55	696.59	1,674.46	3,153.68	108,129.96	40,794.96	30.80	41.47	108,129.98			26,796.11	57,819.99	40.40	47.84	33.95	0.52	0.52	0.52	0.00	0.00	0.00	0.00					812.09	808.36	808.36	94,257.78								17.63
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2029	812.17	812.17	1,183.19		9.13	66.19	889.58	4,282.49	677.68	1,401.62	3,558.54	107,191.73	44,151.58	30.12	40.83	107,191.83			28,588.34	52,089.90	39.82	47.20	33.38	0.48	0.48	0.48	0.00	0.00	0.00	0.00					812.17	794.71	794.71	41,568.15	10,343.07							112.20
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2030	821.92	821.92	1,233.19		8.16	60.59	888.99	4,362.59	636.54	1,629.45	3,369.58	119,355.96	31,715.42	35.42	41.86	119,356.09			30,368.90	59,898.70	40.88	48.06	34.59	0.41	0.41	0.41	0.00	0.00	0.00	0.00					821.92	815.51	815.51	51,970.88	10,133.05							112.20
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2031	827.36	827.36	1,283.19		7.81	60.30	891.99	4,370.05	791.19	1,718.39	3,442.84	116,896.42	46,058.95	33.95	43.00	116,896.64			39,702.64	64,667.21	41.89	49.29	35.44	0.37	0.37	0.37	0.00	0.00	0.00	0.00					827.36	816.16	816.16	43,431.05	20,030.42							219.57
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2032	838.32	838.32	1,333.19		6.57	59.92	893.39	4,400.48	625.18	1,513.04	3,512.61	114,614.59	47,699.84	32.63	45.08	114,614.92			28,488.59	66,537.74	44.55	49.49	39.82	0.19	0.19	0.19	0.00	0.00	0.00	0.00					838.32	808.83	808.83	46,219.77	23,646.40							328.21
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2033	843.73	843.73	1,333.19		5.89	59.81	893.39	4,426.26	553.08	1,925.98	3,047.36	98,297.59	41,107.13	32.26	42.96	98,297.92			25,961.00	76,456.80	42.24	47.04	38.09	0.19	0.19	0.19	0.00	0.00	0.00	0.00					843.73	812.04	812.04	143,921.58	23,974.20							327.28
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2034	861.89	861.89	1,383.19		3.95	59.93	895.89	4,524.78	553.74	2,495.22	2,343.30	81,980.02	46,827.95	26.45	42.18	81,986.46			14,462.40	96,055.57	41.51	46.16	37.46	0.12	0.12	0.12	0.00	0.00	0.00	0.00					861.89	829.87	829.87	261,521.38	23,043.96							408.70
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2035	872.04	872.04	1,383.19		2.74	59.54	895.89	4,560.76	229.34	2,865.15	1,924.95	41,707.82	41,963.75	19.32	40.88	41,708.26			10,488.53	109,678.99	40.73	44.93	36.19	0.12	0.12	0.12	0.00	0.00	0.00	0.00					872.04	851.27	851.27	494,444.20	32,305.70							469.45
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2036	901.87	901.87	1,433.19		1.57	58.93	898.39	4,602.93	246.07	2,836.70	2,012.30	40,919.14	52,829.13	20.33	42.01	40,919.69			11,646.40	111,245.28	41.17	45.75	37.52	0.12	0.12	0.12	0.00	0.00	0.00	0.00					901.87	851.22	851.22	362,421.61	42,017.34							544.50
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Core	2037	901.87	901.87	1,433.19		0.26	58.60	904.22	4,629.70	312.95	2,080.94	2,861.71	40,665.24	92,318.00	14.21	43.30	40,666.62			15,253.56	82,807.41	43.71	47.09	38.88	0.14	0.14	0.14	0.00	0.00	0.00	0.00					901.87	857.23	857.23	87,658.92	170,616.42		30.45	1.86	1,342.49			
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2024	909.62	909.62	1,545.45		-0.58	58.53	904.22	4,676.65	1,760.78	2,895.50	43,354.35	91,493.66	14.99	43.60	43,355.74		10,018.20		14,790.23	44,772.04	35.75	43.53	28.96	0.15	0.15	0.15	0.00	0.00	0.00	0.00					909.62	867.36	867.36	87,446.55	176,044.87		28.00	2.26	1,342.48			
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2025									1,760.78	2,832.15							69,527.94		54,186.16	34,652.22	38.90	46.61	32.18																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2026									2,888.06	669.50							37,556.87		66,431.21	28,874.54	40.96	48.45	34.38																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2027									1,833.62	578.86							17,796.57		53,734.23	36,027.66	41.55	49.15	34.88																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2028									1,312.06	844.38							17,796.57		53,734.23	36,027.66	41.55	49.15	34.88																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2029									1,401.62	677.68							23,591.96		52,089.90	28,588.34	39.82	47.20	33.38																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2030									1,629.45	636.54							26,529.81		59,898.69	30,368.89	40.86	48.06	34.59																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2031									1,718.39	791.19							24,964.57		64,667.21	39,702.63	41.89	49.29	35.44																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2032									1,395.22	897.86							15,209.74		60,559.49	45,349.74	45.96	51.25	41.30																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2033									1,425.98	1,047.36							10,488.53		25,961.00	76,456.80	42.24	47.04	38.09																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2034									1,925.98	553.08							50,495.80		76,456.81	25,961.01	42.24	47.04	38.09																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2035									2,495.22	312.74							82,233.17		96,695.56	14,462.39	41.51	46.16	37.46																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2036									2,865.15	229.34							99,210.66		109,678.98	10,468.32	40.25	44.93	36.19																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2037									2,913.97	170.81							101,472.80		111,643.49	8,170.69	39.99	44.39	36.12																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2038									2,080.94	312.94							67,553.84		82,807.41	15,253.57	42.71	47.09	38.88																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2039									2,080.94	312.94							67,553.84		82,807.41	15,253.57	42.71	47.09	38.88																								
DOEV 2024 IRP 111 E&E DFO' 30- NS CC Solar from '29- Low Fuels- PC	0	DOEV	KY Market	2040									2,096.92	305.78							69,121.27		84,083.91	14,962.64	43.01	47.22	39.36																								

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	961.00	18.23				2,210.00	5.00		11,034.21	10,639,422.75	27,414.81	240.17	2.60	947.40	13,169.02	41,771.39	43.47		41,771.39	41,771.39								48.71	46,806.81								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	1,343.70	25.57				1,002.00	5.00		10,390.64	14,803,679.19	27,270.04	191.32	2.55	809.00	19,146.97	77,644.33	42.90	32,574.08	96,218.41	77,644.32								48.38	65,057.24								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	2,710.90	51.58				5,579.00	9.00		10,873.60	29,541,238.81	59,634.32	1,054.04	2.05	1,492.20	40,068.92	102,249.47	37.72	76,066.69	178,316.15	102,249.49								45.77	124,089.83								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,512.20	66.82				5,927.00	10.00		10,627.45	37,396,834.38	74,828.63	1,587.11	2.04	1,700.00	23,443.96	101,559.69	28.92		101,559.69	101,559.69								42.06	147,713.28								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,371.40	63.97				5,774.00	11.00		10,644.13	35,963,818.88	74,484.66	1,488.32	2.11	1,916.20	23,178.54	101,067.72	29.98		101,067.72	101,067.72								41.69	140,566.20								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,199.90	60.88				5,624.00	8.00		10,673.97	34,212,520.06	74,035.55	1,480.37	2.21	1,428.80	22,747.55	99,692.27	31.15		99,692.27	99,692.26								41.96	134,268.84								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	2,876.90	54.74				5,534.00	7.00		10,892.15	31,385,390.00	80,914.51	1,216.95	2.62	1,281.70	21,354.85	104,768.02	36.42	113,334.69	218,102.71	104,768.04								44.53	128,095.67								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2031	1.00	600.00	498.96	66.03	2,851.60	54.25				5,386.00	8.00		10,868.77	31,050,265.19	80,981.37	1,122.49	2.64	1,500.80	21,697.50	105,302.16	36.93	17,228.00	122,530.16	105,302.16								46.04	131,294.42								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,332.10	63.22				5,726.00	8.00		10,754.46	35,893,816.94	98,436.91	1,600.19	2.79	1,538.40	25,765.12	127,340.62	38.22	17,228.00	144,568.62	127,340.61								47.60	158,604.91								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2033	1.00	600.00	498.96	66.30	3,133.00	59.61				5,715.00	7.00		10,825.39	33,965,728.56	98,467.19	1,577.65	2.95	1,379.70	25,175.63	126,600.17	40.41	17,228.00	143,828.17	126,600.18								45.97	144,039.33								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	2,618.00	49.81				4,930.00	9.00		10,864.98	28,508,508.69	83,058.49	1,189.34	2.96	1,818.90	21,775.11	107,841.84	41.19	17,228.00	125,069.84	107,841.84								45.49	119,092.35								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2035	1.00	600.00	498.96	66.03	1,906.60	36.27				3,731.00	6.00		10,907.45	20,838,801.09	64,769.51	726.10	3.14	1,242.60	16,417.95	83,156.15	43.61	109,478.00	192,634.16	83,156.16								47.26	90,115.17								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2036	1.00	600.00	498.96	66.12	1,485.50	28.19				3,230.00	7.00		11,060.43	16,480,044.59	52,234.96	456.41	3.20	1,486.10	13,413.45	67,590.91	45.50	17,228.00	84,818.91	67,590.91								46.79	69,506.31								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2037	1.00	600.00	498.96	66.30	1,249.40	23.77				2,754.00	6.00		11,080.50	13,886,642.63	45,717.24	458.97	3.33	1,305.60	11,650.32	59,132.13	47.33	17,228.00	76,360.13	59,132.12								48.30	60,340.28								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal.Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	1,465.80	27.89				3,088.00	7.00		11,015.03	16,195,602.25	54,002.88	262.82	3.35	1,561.00	13,975.29	69,801.99	47.62	17,228.00	87,029.99	69,801.99								48.31	70,810.93								
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2024		14.03	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2025		14.06	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2026		14.09	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2027		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2028		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2029		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2030		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2031		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2032		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2033		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2034		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2035		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2036		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2037		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2038		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2039		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PM DEK	2040		14.12	0.11	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2024		9.63	0.07	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2025		9.65	0.07	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2026		9.76	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2027		9.83	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2028		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2029		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2030		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2031		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2032		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2033		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2034		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2035		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2036		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2037		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2038		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2039		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Demand.Demand Response	DSM PS DEK	2040		9.89	0.08	100.00																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combined Cycle	New 1x1 CC DEK	2039	1.00	599.10	455.91	91.00	2,154.85	41.96		171.00	4,065.93	45.03		6,456.62	14,006,692.25	59,540.03	77.88	4.26		8,541.01	68,158.91	31.63	56,531.04	124,689.95	68,159.56			12.84	1.00	635.76			47.26	101,828.05	22.47						-22,839.43	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combined Cycle	New 1x1 CC DEK	2040	1.00	599.37	455.91	91.38	2,180.49	42.34		203.00	4,108.97	42.01		6,449.47	14,150,341.50	62,659.96	86.83	4.43		8,858.70	71,605.49	32.84	57,944.31	129,549.81	71,606.14			8.79	0.88	629.58			47.42	102,453.97	7.85						-28,137.99	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combined Cycle	New 1x1 CC DEK OP	2039	1.00	64.80	46.37	91.08	53.15	9.91		82.00	1,219.91	283.60		8,813.75	468,427.15	1,972.59	2.11	4.22		102.57	2,077.27	39.09		2,077.27	2,077.34			17.60	0.86	53.03			54.32	2,887.06	35.96						845.75	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combined Cycle	New 1x1 CC DEK OP	2040	1.00	64.80	46.37	91.38	54.20	10.08		44.00	1,255.77	297.17		8,828.02	478,468.29	2,111.54	2.06	4.42		107.21	2,220.81	40.98		2,220.81	2,220.89			19.21	1.35	54.07			54.74	2,966.66	38.08						793.93	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2024	1.00	94.00	57.92	81.15	359.64	46.89			4,354.00	47.00		14,993.27	5,393,197.43	11,614.15	299.67	2.21	277.30	0.00	12,191.11	33.90		12,191.11	12,191.12								42.82	15,399.36							3,208.25	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2025	1.00	94.00	57.92	74.72	107.11	14.01			1,217.00	37.00		14,795.61	1,585,578.85	4,868.30	57.01	3.11	225.70	0.00	5,151.01	48.09		5,151.01	5,151.02								52.68	5,643.02							492.01	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2026	1.00	94.00	57.92	89.99	54.45	7.12			623.00	20.00		14,817.47	807,305.07	2,791.19	29.28	3.49	124.00	0.00	2,944.47	54.07		2,944.47	2,944.47								58.62	3,192.32							247.85	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2027	1.00	94.00	57.92	89.84	48.74	6.37			549.00	19.00		14,768.86	720,248.04	2,486.96	25.01	3.49	121.60	0.00	2,633.56	54.03		2,633.56	2,633.56								57.29	2,792.52							158.95	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2028	1.00	94.00	57.92	90.22	20.15	2.63			231.00	9.00		14,809.45	298,643.87	1,094.97	17.81	3.73	49.50	0.00	1,172.18	58.16		1,172.18	1,172.18								62.56	1,260.81							88.63	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2029	1.00	94.00	57.92	85.71	43.60	5.70			490.00	10.00		14,762.12	643,794.06	1,976.25	22.51	3.10	67.00	0.00	2,065.76	47.38		2,065.76	2,065.76								49.98	2,178.96							113.20	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2030	1.00	94.00	57.92	85.31	64.76	8.47			930.00	15.00		14,797.96	1,015,716.17	3,276.16	32.54	3.26	103.50	0.00	3,412.20	49.53		3,412.20	3,412.20								53.91	3,643.63							233.43	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2031	1.00	94.00	57.92	85.29	60.84	7.93			666.00	9.00		14,686.47	893,772.78	3,457.24	21.34	3.89	64.80	0.00	3,543.38	58.24		3,543.38	3,543.38								60.16	3,618.26							202.01	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2032	1.00	94.00	57.92	85.54	9.96	1.30			106.00	2.00		14,614.46	145,660.52	619.87	0.02	4.26	14.80	0.00	634.68	63.70		634.68	634.68								62.48	634.68							258.37	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2033	1.00	94.00	57.92	85.54	16.87	2.21			198.00	2.00		14,871.84	250,900.21	972.90	21.93	3.97	15.20	0.00	1,010.02	59.88		1,010.02	1,010.02								61.29	1,033.82							35.47	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2034	1.00	94.00	57.92	84.66																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2035	1.00	94.00	57.92	84.95																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2036	1.00	94.00	57.92	85.51																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2037	1.00	94.00	57.92	85.21																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2038	1.00	94.00	57.92	85.61																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2039	1.00	94.00	57.92	85.31																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 1	2040	1.00	94.00	57.92	86.10																		0.00																		
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 2	2024	1.00	94.00	67.62	88.36	431.90	55.78			5,125.00	45.00		14,935.70	6,451,660.42	13,102.52	289.56	2.08	265.50	0.00	13,657.59	31.62		13,657.59	13,657.59								40.57	17,523.31							3,865.72	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 2	2025	1.00	94.00	67.62	72.42	157.84	13.07			1,231.00	39.00		14,808.17	1,597,775.35	4,881.55	70.99	3.10	237.90	0.00	5,190.44	48.13		5,190.44	5,190.44								52.68	5,681.51							491.07	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 2	2026	1.00	94.00	67.62	84.25	54.26	7.03			624.00	22.00		14,830.63	805,216.67	2,737.72	38.15	3.45	136.40	0.00	2,912.28	53.67		2,912.28	2,912.28								58.27	3,161.97							249.39	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 2	2027	1.00	94.00	67.62	83.25	49.96	6.47			561.00	20.00		14,760.08	737,818.86	2,541.44	27.89	3.48	128.00	0.00	2,697.32	53.99		2,697.32	2,697.32								57.28	2,861.41							164.09	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 2	2028	1.00	94.00	67.62	87.67	20.34	2.63			231.00	9.00		14,784.31	300,857.57	1,101.90	18.17	3.72	59.40	0.00	1,179.47	58.00		1,179.47	1,179.47								62.53	1,271.65							92.18	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 2	2029	1.00	94.00	67.62	84.52	44.87	5.81			509.00	11.00		14,754.74	662,231.84	2,028.92	25.53	3.10	73.70	0.00	2,128.14	47.43		2,128.14	2,128.14								50.05	2,260.56							117.42	
DEKY 2024 BIP 111 E82 DFO 30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas.Oil.Combustion Turbine	Woodstale 2	2030	1.00	94.00	67.62	84.70

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,088,487.52	204.61	2,265.32		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.00	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	417.20	0.08	0.87	238.51	0.25
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	689.25	0.13	1.43	1.65	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	1,515,948.51	204.81	2,256.38		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.00	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	578.30	0.08	0.86	389.02	0.29
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	959.93	0.13	1.43	2.30	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,025,839.52	204.86	2,232.35		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,142.65	0.08	0.84	1,049.44	0.39
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	1,916.02	0.13	1.41	4.60	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,831,487.00	204.91	2,181.82		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,457.62	0.08	0.83	1,581.29	0.45
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,426.17	0.13	1.38	5.82	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,683,658.04	204.85	2,185.24		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,402.51	0.08	0.83	1,482.73	0.44
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,332.57	0.13	1.38	5.60	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,506,076.48	204.96	2,191.37		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,327.28	0.08	0.83	1,475.04	0.46
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,220.12	0.13	1.39	5.33	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	2,551,354.52	162.58	1,773.68		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,203.46	0.08	0.84	1,214.51	0.42
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	1,018.41	0.06	0.71	2.44	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	2,523,948.66	162.57	1,770.20		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,200.49	0.08	0.84	1,120.08	0.39
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	1,007.29	0.06	0.71	2.42	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	2,917,686.98	162.58	1,751.26		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,376.53	0.08	0.83	1,597.40	0.48
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	1,164.64	0.06	0.70	2.80	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	2,761,199.89	162.59	1,762.66		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,290.45	0.08	0.82	1,574.96	0.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	1,102.27	0.06	0.70	2.69	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	2,317,088.77	162.55	1,770.12		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,091.91	0.08	0.83	1,187.05	0.45
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	924.45	0.06	0.71	2.29	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	1,693,805.11	162.56	1,776.78		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	808.68	0.08	0.85	724.39	0.38
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	675.87	0.06	0.71	1.70	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	1,339,177.93	162.52	1,803.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	640.21	0.08	0.86	455.04	0.31
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	SO2	533.98	0.06	0.72	1.37	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	1,128,421.13	162.52	1,806.34		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	532.90	0.08	0.85	457.80	0.37
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	SO2	449.93	0.06	0.72	1.17	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	1,316,045.63	162.52	1,795.67		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	648.33	0.08	0.88	261.43	0.18
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	SO2	524.74	0.06	0.72	1.39	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	840,401.66	120.00	780.01		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	56.03	0.01	0.05	77.88	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	849,020.58	120.00	778.74		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	56.69	0.01	0.05	86.83	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	28,105.63	120.00	1,057.65		

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	1.38	0.01	0.05	2.11	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	28,708.10	120.00	1,059.36		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	1.41	0.01	0.05	2.06	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	315,501.92	117.00	1,754.53		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	320.90	0.12	1.78	299.67	0.83
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	92,756.33	117.00	1,731.93		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	94.34	0.12	1.76	57.01	0.53
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	47,227.33	117.00	1,734.55		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	48.03	0.12	1.76	29.28	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	42,134.50	117.00	1,728.91		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	42.85	0.12	1.76	25.01	0.51
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	17,470.66	117.00	1,733.80		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	17.77	0.12	1.76	17.81	0.88
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	37,661.94	117.00	1,727.73		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	38.31	0.12	1.76	22.51	0.52
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	55,882.09	117.00	1,725.79		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	56.84	0.12	1.76	32.53	0.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	51,245.00	117.00	1,730.96		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	52.12	0.12	1.76	44.83	0.76
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	50,517.66	117.00	1,718.99		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	51.38	0.12	1.75	21.34	0.36
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	8,521.14	117.00	1,710.38		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	8.67	0.12	1.74	0.02	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2034	CO2	14,677.66	117.00	1,740.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2034	NOx	14.93	0.12	1.77	21.93	1.30
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	377,421.95	117.00	1,747.73		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	383.87	0.12	1.78	289.57	0.67
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	93,469.82	117.00	1,733.49		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	95.07	0.12	1.76	70.99	0.66
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	47,105.16	117.00	1,736.18		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	47.91	0.12	1.77	38.15	0.70
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	43,162.39	117.00	1,727.91		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	43.90	0.12	1.76	27.89	0.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	17,600.16	117.00	1,730.85		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	17.90	0.12	1.76	18.17	0.89
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	38,740.55	117.00	1,726.91		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	39.40	0.12	1.76	25.53	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	54,253.04	117.00	1,722.56		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	55.18	0.12	1.75	27.08	0.43
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	59,083.83	117.00	1,728.91		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	60.09	0.12	1.76	54.63	0.80
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	38,614.07	117.00	1,720.16		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	39.27	0.12	1.75	21.75	0.48
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	8,521.14	117.00	1,710.38		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	8.67	0.12	1.74	0.02	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	14,831.09	117.00	1,736.05		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	15.08	0.12	1.77	22.37	1.31
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	335,019.42	117.00	1,746.83		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	340.75	0.12	1.78	250.66	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	94,446.14	117.00	1,731.96		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	96.06	0.12	1.76	63.10	0.58
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	47,105.16	117.00	1,736.18		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	47.91	0.12	1.77	38.15	0.70
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	39,543.52	117.00	1,729.47		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	40.22	0.12	1.76	27.88	0.61
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	17,600.16	117.00	1,730.85		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	17.90	0.12	1.76	18.17	0.89

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	26,088.09	117.00	1,733.25		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	26.53	0.12	1.76	22.94	0.76
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	45,574.07	117.00	1,726.19		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	46.35	0.12	1.76	30.21	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	50,297.60	117.00	1,731.12		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	51.16	0.12	1.76	51.85	0.89
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	47,135.21	117.00	1,718.38		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	47.94	0.12	1.75	21.77	0.40
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	14,831.09	117.00	1,736.05		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	15.08	0.12	1.77	22.37	1.31
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	345,419.75	117.00	1,746.44		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	351.32	0.12	1.78	272.73	0.69
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	93,818.28	117.00	1,732.10		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	95.42	0.12	1.76	53.92	0.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	48,125.77	117.00	1,735.23		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	48.95	0.12	1.76	31.79	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	42,134.50	117.00	1,728.91		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	42.85	0.12	1.76	25.01	0.51
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	17,470.66	117.00	1,733.80		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	17.77	0.12	1.76	17.81	0.88
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	37,661.94	117.00	1,727.73		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	38.31	0.12	1.76	22.51	0.52
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	59,419.38	117.00	1,724.88		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	60.44	0.12	1.75	32.54	0.47
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	52,074.42	117.00	1,731.60		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	52.96	0.12	1.76	47.16	0.78
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	52,285.68	117.00	1,718.68		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	53.18	0.12	1.75	21.34	0.35
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	8,521.14	117.00	1,710.38		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	8.67	0.12	1.74	0.02	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2034	CO2	14,677.66	117.00	1,740.30		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2034	NOx	14.93	0.12	1.77	21.93	1.30
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	395,623.40	117.00	1,746.58		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	402.39	0.12	1.78	316.63	0.70
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	118,581.12	117.00	1,732.27		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	120.61	0.12	1.76	65.52	0.48
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	37,508.35	117.00	1,729.29		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	38.15	0.12	1.76	32.81	0.76
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	38,138.95	117.00	1,728.83		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	38.79	0.12	1.76	27.88	0.63
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	17,600.16	117.00	1,730.85		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	17.90	0.12	1.76	18.17	0.89
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	33,872.59	117.00	1,719.12		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	34.45	0.12	1.75	11.90	0.30
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	59,654.45	117.00	1,723.34		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	60.67	0.12	1.75	33.20	0.48
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	49,672.41	117.00	1,727.38		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	50.52	0.12	1.76	40.43	0.70
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	52,440.52	117.00	1,717.56		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	53.34	0.12	1.75	21.78	0.36
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	8,521.14	117.00	1,710.38		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	8.67	0.12	1.74	0.02	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	14,831.09	117.00	1,736.05		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	15.08	0.12	1.77	22.37	1.31
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	400,771.67	117.00	1,746.12		

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	407.62	0.12	1.78	316.64	0.69
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	116,840.05	117.00	1,732.34		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	118.84	0.12	1.76	71.04	0.53
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	39,412.24	117.00	1,730.88		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	40.09	0.12	1.76	38.14	0.84
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	43,162.39	117.00	1,727.91		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	43.90	0.12	1.76	27.89	0.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	17,600.16	117.00	1,730.85		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	17.90	0.12	1.76	18.17	0.89
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	38,740.55	117.00	1,726.91		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	39.40	0.12	1.76	25.53	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	53,387.22	117.00	1,724.98		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	54.30	0.12	1.75	33.19	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	59,083.83	117.00	1,728.91		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	60.09	0.12	1.76	54.63	0.80
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	52,440.52	117.00	1,717.56		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	53.34	0.12	1.75	21.78	0.36
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	8,521.14	117.00	1,710.38		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	8.67	0.12	1.74	0.02	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	14,831.09	117.00	1,736.05		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Solar from '29 - Low Fuels - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	15.08	0.12	1.77	22.37	1.31

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2029	DEKY	KY Core	Proj New F	1.00	1.00	50.00	95,170.49
DEKY 2024	0	2031	DEKY	KY Core	Proj New S	1.00	1.00	50.00	106,955.73
DEKY 2024	0	2033	DEKY	KY Core	Proj New S	1.00	2.00	100.00	105,808.52
DEKY 2024	0	2035	DEKY	KY Core	Proj New S	1.00	3.00	150.00	108,372.84
DEKY 2024	0	2037	DEKY	KY Core	Proj New S	1.00	4.00	200.00	110,849.59
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,418,111.25
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	144,243.84
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	1.00	5.00	250.00	113,388.73

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2024	897.39	887.36	1,182.93		0.08	57.47	888.04	4,479.77	1,011.53	1,465.88	3,825.42	147,426.21	65,954.20	38.54	40.43	147,428.22			51,794.69	55,423.17	39.39	48.49	31.44	0.88	0.88	0.88	0.00	0.00	0.00	0.00					897.36	882.47	882.47									17.60
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2025	897.69	887.69	1,183.13		-0.33	57.53	887.67	4,524.32	600.49	1,433.22	3,711.79	132,614.78	51,473.27	32.50	47.07	132,614.82			26,672.55	65,558.98	49.93	54.30	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00					897.69	893.97	893.97	29,989.47								17.60
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2026	896.37	896.17	1,183.06		-0.96	57.65	887.77	4,528.46	464.47	1,641.20	3,148.13	126,643.43	32,604.91	40.23	46.58	126,643.46			24,223.95	75,816.97	45.32	52.79	37.89	0.55	0.55	0.55	0.00	0.00	0.00	0.00					896.37	892.65	892.65									17.60
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2027	897.69	897.69	1,183.13		-1.12	57.53	887.67	4,524.32	600.49	1,433.22	3,711.79	120,614.78	33,473.27	32.50	47.07	120,614.82			26,672.55	65,558.98	49.93	54.30	38.57	0.55	0.55	0.55	0.00	0.00	0.00	0.00					897.69	893.97	893.97	29,989.47								17.60
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2028	899.46	899.46	1,183.19		-1.32	57.41	889.58	4,534.13	535.18	1,579.19	3,487.94	112,773.12	47,231.44	32.16	44.40	112,285.34			25,975.72	74,416.76	44.58	51.67	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00					899.46	895.69	895.69	41,558.78								17.60
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2029	901.69	901.69	1,183.23		-1.54	57.41	889.58	4,534.13	535.18	1,579.19	3,487.94	112,773.12	47,231.44	32.16	44.40	112,285.34			25,975.72	74,416.76	44.58	51.67	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00					901.69	897.91	897.91	41,558.78								17.60
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2030	903.85	903.85	1,183.27		-1.76	57.42	891.78	4,538.88	544.84	1,671.78	3,487.94	112,867.80	47,231.44	32.18	44.64	112,377.02			25,975.72	75,676.76	44.58	51.67	37.49	0.41	0.41	0.41	0.00	0.00	0.00	0.00					903.85	900.14	900.14	41,558.78								17.60
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2031	922.19	922.19	1,283.19		-2.27	57.42	891.99	4,638.84	460.02	1,948.88	3,537.98	115,179.94	45,247.86	36.47	46.50	115,180.16			25,983.78	79,279.43	45.28	53.47	38.14	0.37	0.37	0.37	0.00	0.00	0.00	0.00					922.19	919.39	919.39	49,960.40	20,030.42							218.97
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2032	928.62	928.62	1,283.19		-4.04	57.20	890.89	4,664.78	411.57	1,976.80	3,699.55	140,009.22	49,505.86	37.84	49.80	140,009.44			31,500.55	74,309.10	48.96	54.35	44.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00					928.62	878.78	878.78	71,212.44	18,172.15							218.76
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2033	945.22	945.22	1,333.19		-5.48	58.91	893.39	4,712.94	511.34	2,172.09	3,751.80	97,883.60	39,593.04	35.17	46.83	97,883.82			25,296.49	98,450.57	46.10	50.82	42.02	0.17	0.17	0.17	0.00	0.00	0.00	0.00					945.22	910.63	910.63	210,965.58	23,976.20							127.60
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2034	964.97	964.97	1,433.19		-4.15	57.06	924.89	4,823.55	162.55	2,218.17	3,767.93	47,741.53	45,746.58	25.99	46.66	47,742.00			8,693.91	140,293.66	45.99	50.48	42.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00					964.97	930.67	930.67	304,130.30	39,930.01			6.79	8.11	436.00		
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2035	977.20	977.20	1,433.19		-5.35	56.66	924.89	4,863.52	185.91	2,395.77	2,053.67	44,732.62	44,278.92	30.50	47.53	44,733.08			9,309.64	152,107.29	46.74	51.27	42.78	0.14	0.14	0.14	0.00	0.00	0.00	0.00					977.20	994.43	931.79	479,996.55	40,234.54			8.92	8.05	440.51		
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2037	989.03	989.03	1,533.19		-5.98	56.41	929.89	4,887.72	190.67	3,003.83	2,074.56	45,270.69	46,669.85	21.13	48.74	45,271.37			10,553.15	136,879.30	46.02	52.21	44.34	0.14	0.14	0.14	0.00	0.00	0.00	0.00					989.03	921.34	921.34	514,558.80	57,968.95			8.74	9.04	459.06		
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2038	1,000.85	1,000.85	1,533.19		-6.59	56.17	929.89	4,911.89	190.67	3,003.83	2,098.73	46,504.82	48,061.12	22.16	50.00	46,505.51			10,553.15	140,293.66	47.30	53.14	45.61	0.14	0.14	0.14	0.00	0.00	0.00	0.00					1,000.85	929.87	929.87	514,558.80	59,688.03			8.74	9.04	459.06		
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2039	1,011.88	1,011.88	1,690.45		-4.66	55.85	964.72	4,950.07	307.85	3,271.73	2,086.02	55,132.01	105,501.82	17.68	50.51	55,132.57			17,022.17	106,788.11	49.88	53.74	46.31	0.18	0.18	0.18	0.00	0.00	0.00	0.00					1,011.88	959.87	959.87	206,499.71	39,572.18			63.98	3.66	1,487.69		
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Core	2040	1,020.25	1,020.25	1,740.45		-5.20	55.78	967.22	4,999.30	325.96	2,232.38	3,092.88	51,438.24	117,161.07	16.57	51.88	53,439.89			19,027.03	107,894.38	51.25	54.91	48.07	0.17	0.17	0.17	0.00	0.00	0.00	0.00					1,020.25	965.97	947.67	206,976.29	206,343.26			75.28	6.66	1,575.89		
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2024							0.00		1,665.88	1,011.53	0.00		0.00				3,628.49		15,423.16	11,794.68	39.39	48.49	31.44																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2025							0.00		2,448.98	401.60	0.00		0.00				74,914.00		96,877.42	21,963.41	43.15	52.01	35.43																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2026							0.00		2,448.98	401.60	0.00		0.00				74,914.00		96,877.42	21,963.41	43.15	52.01	35.43																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2027							0.00		1,413.22	669.89	0.00		0.00				38,886.43		65,558.99	26,672.56	45.93	54.30	38.57																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2028							0.00		1,630.37	535.18	0.00		0.00				46,497.34		69,947.02	22,849.69	44.27	52.53	37.11																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2029							0.00		1,579.58	526.69	0.00		0.00				43,495.24		66,642.04	23,146.80	43.58	52.82	36.39																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2030							0.00		1,801.78	523.94	0.00		0.00				47,665.04		74,636.76	26,971.72	44.56	52.67	37.49																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2031							0.00		2,038.28	434.82	0.00		0.00				41,868.54		74,309.09	31,500.55	48.96	54.35	44.21																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2032							0.00		1,576.80	411.57	0.00		0.00				41,868.54		74,309.09	31,500.55	48.96	54.35	44.21																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2033							0.00		2,038.28	434.82	0.00		0.00				71,034.68		91,924.39	20,889.71	47.36	52.52	42.86																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2034							0.00		2,273.99	311.34	0.00		0.00				83,197.08		98,493.56	15,296.49	46.10	50.82	42.02																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2035							0.00		2,218.17	162.55	0.00		0.00				131,599.75		140,293.66	8,693.91	45.99	50.48	42.08																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2036							0.00		2,395.77	185.91	0.00		0.00				152,107.29		152,107.29	0.00	46.74	51.27	42.78																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2037							0.00		3,003.83	190.67	0.00		0.00				136,879.30		136,879.30	0.00	49.02	52.21	44.34																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2038							0.00		3,183.30	154.10	0.00		0.00				141,664.35		150,724.92	9,060.58	49.70	53.77	46.13																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2039							0.00		2,271.73	307.85	0.00		0.00				89,565.94		106,788.12	17,222.18	49.88	53.74	46.31																								
DSSY 2024 IRP (11 ISE) DFO' 30 - NG CC Forced Solar from '29 - High Load - PC	0	DSSY	KY Market	2040							0.00		2,232.38	325.96	0.00		0.00				86,867.35		107,894.37	19,027.02	51.25	54.91	48.07																								

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2014	1.00	600.00	498.96	63.11	1,614.20	30.63				7,552.00	3.00	10,050.61	16,212,122.7	46,252.25	519.70	2.62	473.70	22,140.55	69,386.21	42.98	32,574.08	127,991.70	85,386.21								49.47	79,854.76				10,468.55			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,155.40	41.01				4,989.00	9.00	11,044.15	23,884,551.19	62,045.07	950.20	2.64	1,618.00	30,804.35	95,417.62	44.27	32,574.08	127,991.70	95,417.61								49.48	106,642.54				-21,349.16			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	2,972.70	56.56				5,782.00	9.00	10,798.55	32,164,829.75	69,754.15	1,103.19	2.20	1,658.00	41,757.84	116,273.19	39.11	76,066.69	192,339.87	116,273.19								49.46	147,033.54				-45,306.33			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,543.30	67.41				5,928.00	9.00	10,617.80	37,686,029.25	84,045.47	1,920.63	2.28	1,530.00	23,623.13	111,119.23	31.36		111,119.23	111,119.23								46.04	163,135.88				52,016.65			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,363.40	63.82				5,719.00	10.00	10,635.97	35,844,113.88	82,417.95	1,409.76	2.34	1,742.00	23,150.17	108,669.87	32.31		108,669.87	108,669.87								45.97	154,622.88				45,953.00			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,272.60	62.26				5,706.00	9.00	10,664.68	34,965,210.88	84,183.93	1,472.11	2.45	1,607.40	23,237.82	110,501.26	33.77		110,501.26	110,501.26								45.26	148,114.51				37,613.25			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.03	2,895.90	55.10				5,524.00	8.00	10,881.36	31,568,211.33	91,022.13	1,212.87	2.92	1,464.80	21,448.23	115,148.03	39.77	113,334.69	228,502.72	115,148.03								48.83	141,407.90				-87,094.82			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.03	2,766.50	52.64				5,325.00	9.00	10,892.96	30,199,375.38	89,530.49	1,227.41	3.01	1,688.40	21,110.72	113,557.01	41.05	17,228.00	130,785.01	113,557.02								50.11	138,639.32				7,854.31			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.39	3,331.50	63.21				5,730.00	8.00	10,753.46	35,882,029.44	110,910.80	1,485.49	3.13	1,538.40	25,757.98	138,700.56	41.93	17,228.00	156,928.56	139,700.56								50.51	168,276.64				11,248.08			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.30	2,756.30	52.44				4,953.00	10.00	10,807.17	29,816,897.03	98,147.47	1,399.74	3.33	2,168.10	22,100.71	123,816.02	44.92	17,228.00	141,044.02	123,816.01								50.42	138,964.47				-2,079.55			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.03	2,756.30	52.44				4,953.00	10.00	10,807.17	29,816,897.03	98,147.47	1,399.74	3.33	2,168.10	22,100.71	123,816.02	44.92	17,228.00	141,044.02	123,816.01								50.42	138,964.47				-2,079.55			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.03	1,343.60	25.56				2,714.00	4.00	10,957.81	14,731,550.50	56,075.21	273.88	3.82	828.40	11,637.65	68,815.24	51.22	109,479.00	178,293.24	68,815.25								54.43	73,135.88				-105,157.36			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	1.00	600.00	498.96	66.39	1,625.80	30.85				3,428.00	10.00	11,016.24	17,981,301.97	69,343.05	476.13	3.88	2,123.00	14,606.53	86,548.71	53.23	17,228.00	101,776.71	86,548.72								54.17	88,066.95				-15,709.76			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	1.00	600.00	498.96	66.30	1,429.30	27.19				2,943.00	9.00	10,983.05	15,762,066.95	63,662.47	433.03	4.07	1,958.40	13,181.10	79,235.01	55.44	17,228.00	96,463.01	79,235.01								56.35	80,547.57				-15,915.43			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	1.00	600.00	498.96	66.03	1,252.20	23.82				2,522.00	6.00	10,952.86	13,757,825.05	58,065.56	380.14	4.25	1,338.00	11,854.78	71,638.49	57.21	17,228.00	88,866.49	71,638.50								58.71	73,515.57				-15,350.91			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	9.63	0.07	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2039	1.00	599.10	455.91	91.00	2,189.35	42.63			54.00	4,984.56	44.91	6,449.72	14,214,126.94	79,187.29	81.48	5.58	8,677.78	87,946.55	40.17	56,531.04	144,477.59	87,947.22			6.16	0.51	658.85				54.52	119,363.17	9.44			-25,104.98			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2040	1.00	599.10	455.91	91.00	2,189.35	42.63			52.00	4,096.86	42.13	6,448.11	14,114,915.40	78,379.78	82.23	5.97	8,863.30	93,325.35	42.78	57,944.31	151,269.66	93,325.08			7.62	0.65	639.17				54.34	123,006.50	10.08			-29,681.16			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK DF	2039	1.00	64.80	46.37	91.08	52.29	9.75			10.00	1,112.41	279.91	8,799.93	460,089.91	2,533.13	2.28	5.51	109.91	2,635.32	50.40		2,635.32	2,635.39			15.86	0.58	52.18				62.33	1,219.34	30.09			-354.11			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK DF	2040	1.00	64.80	46.37	91.21	52.66	9.79			76.00	1,150.07	287.13	8,798.10	463,315.43	2,730.52	2.21	5.90	104.17	2,836.91	53.87		2,836.91	2,836.97			14.59	0.91	52.55				64.60	1,401.81	28.32			593.22			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2024	1.00	94.00	57.92	80.80	301.80	39.35				3,693.00	71.00	15,025.87	4,536,239.69	10,864.55	280.38	2.46	418.90		11,563.83	38.32		11,563.83	11,563.83								46.98	14,178.11				2,614.28			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2025	1.00	94.00	57.92	74.77	45.80	5.99				510.00	25.00	14,731.56	675,274.69	2,494.74	24.82	3.73	152.50		2,672.06	58.34		2,672.06	2,672.06								63.08	2,889.21				217.15			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2026	1.00	94.00	57.92	89.64	26.05	3.41				294.00	13.00	14,769.38	385,015.31	1,611.48	17.05	4.23	80.60		1,709.14	65.61		1,709.14	1,709.14								71.99	1,875.43				166.29			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2027	1.00	94.00	57.92	90.14	24.47	3.20				279.00	12.00	14,805.94	362,508.89	1,452.05	13.77	4.04	76.80		1,542.62	63.05		1,542.62	1,542.62								67.15	1,643.00				100.38			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2028	1.00	94.00	57.92	89.87	9.88	1.29				119.00	7.00	14,947.66	147,844.84	567.04	14.76	3.94	46.20		628.00	63.56		628.00	628.00								68.02	672.14				44.14			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2029	1.00	94.00	57.92	84.95	17.85	2.33				211.00	8.00	14,918.56	266,419.59	946.28	12.21	3.60	53.60		1,012.09	56.71		1,012.09	1,012.09								59.41	1,060.26				48.17			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2030	1.00	94.00	57.92	84.95	46.25	6.05				327.00	11.00	14,805.01	684,914.09	2,451.15	26.93	3.62	96.60		2,574.67	55.67		2,574.67	2,574.67								56.60	2,691.03				117.52			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2031	1.00	94.00	57.92	85.46	28.29	3.70				327.00	11.00	14,836.44	419,894.48	1,708.46	25.47	4.13	78.10		1,812.03	64.06		1,812.03	1,812.03								67.50	1,909.34				97.32			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2032	1.00	94.00	57.92	85.31	26.01	3.39				289.00	5.00	14,724.70	383,153.42	1,701.20	13.95	4.48	36.00		1,751.15	67.32		1,751.15	1,751.15								70.23	1,826.89				75.74			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2033	1.00	94.00	57.92	85.31																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2034	1.00	94.00	57.92	85.31																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2035	1.00	94.00	57.92	85.05																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2036	1.00	94.00	57.92	84.66																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2037	1.00	94.00	57.92	86.25																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2038	1.00	94.00	57.92	85.05																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2039	1.00	94.00	57.92	84.81																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 1	2040	1.00	94.00	57.92	85.35																																				
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2024	1.00	94.00	67.62	86.07	383.67	49.55				4,517.00	67.00	14,908.55	5,721,370.91	13,013.22	265.46	2.32	395.30		13,673.98	35.64		13,673.98	13,673.98								44.36	17,019.82				3,345.84			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2025	1.00	94.00	67.62	73.67	40.95	5.50				463.00	37.00	14,779.23	605,348.71	2,135.36	36.36	3.67	164.70		2,386.42	58.28		2,386.42	2,386.43								61.80	2,530.01				144.16			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2026	1.00	94.00	67.62	86.07	27.19	3.52				306.00	14.00	14,761.48	401,599.59	1,671.77	19.77	4.21	86.80		1,778.34	65.41		1,778.34	1,778.34								71.70	1,949.25				170.91			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2027	1.00	94.00	67.62	87.59	25.49	3.30				290.00	13.00	14,798.83	377,480.29	1,503.16	18.12	4.03	83.20		1,602.58	62.87		1,602.58	1,602.58								69.97	1,786.96				184.38			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2028	1.00	94.00	67.62	87.76	10.03	1.30				119.00	7.00	14,903.47	149,673.54	573.65	15.06	3.93	46.20		634.91	63.28		634.91	634.91								68.01	682.32				47.42			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2029	1.00	94.00	67.62	84.83	10.14	1.31				115.00	5.00	14,799.94	150,191.23	564.74	3.17	3.78	33.50		601.41	59.30		601.41	601.41								62.09	629.68				28.27			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2030	1.00	94.00	67.62	84.52	48.22	6.25				545.00	15.00	14,780.41	712,967.37	2,574.63	27.48	3.65	103.50		2,705.61	56.11		2,705.61	2,705.61								58.73	2,831.52				125.91			
DEKY 2024 RP 111 E82 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodsdale 2	2031	1.00

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,831,059.58	205.05	2,268.69		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	690.21	0.08	0.86	516.92	0.32
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,159.46	0.13	1.44	2.78	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,443,538.11	204.75	2,267.36		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	896.23	0.08	0.83	946.48	0.44
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,547.30	0.13	1.44	3.71	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,295,151.17	204.89	2,216.94		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,255.16	0.08	0.84	1,098.18	0.37
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,086.55	0.13	1.40	5.01	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,861,902.63	204.95	2,179.83		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,441.50	0.08	0.81	1,914.77	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,445.43	0.13	1.38	5.87	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,672,100.13	204.89	2,183.56		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,405.95	0.08	0.84	1,404.18	0.42
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,325.25	0.13	1.38	5.58	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,582,610.46	204.92	2,189.46		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,361.25	0.08	0.83	1,466.67	0.45
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,268.58	0.13	1.39	5.44	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	2,566,070.66	162.57	1,772.21		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,212.51	0.08	0.84	1,210.41	0.42
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	1,024.12	0.06	0.71	2.46	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	2,454,598.59	162.56	1,774.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,152.08	0.08	0.83	1,225.06	0.44
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	979.40	0.06	0.71	2.35	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	2,916,891.02	162.58	1,751.10		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,386.69	0.08	0.83	1,482.70	0.45
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	1,164.32	0.06	0.70	2.79	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	2,426,757.29	162.55	1,760.88		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,134.24	0.08	0.82	1,397.38	0.51
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	968.10	0.06	0.70	2.36	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	2,147,676.70	162.58	1,771.86		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,009.10	0.08	0.83	1,121.77	0.46
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	857.26	0.06	0.71	2.13	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	1,199,046.71	162.57	1,784.83		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	590.26	0.08	0.88	272.67	0.20
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	478.49	0.06	0.71	1.21	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	1,460,812.71	162.48	1,797.04		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	702.64	0.08	0.86	474.64	0.29
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	SO2	582.08	0.06	0.72	1.49	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	1,280,485.10	162.48	1,791.77		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	617.21	0.08	0.86	431.70	0.30
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	SO2	510.19	0.06	0.71	1.33	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	1,117,945.04	162.52	1,785.57		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	541.29	0.08	0.86	378.96	0.30
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	SO2	445.74	0.06	0.71	1.18	0.00
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	852,848.31	120.00	779.09		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	56.92	0.01	0.05	81.48	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	849,295.05	120.00	778.59		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	56.72	0.01	0.05	82.27	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	27,605.34	120.00	1,055.88		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	1.36	0.01	0.05	2.28	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	27,798.93	120.00	1,055.77		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	1.37	0.01	0.05	2.21	0.04
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	265,369.94	117.00	1,758.60		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	269.91	0.12	1.79	280.38	0.93
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	39,503.56	117.00	1,724.93		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	40.18	0.12	1.75	24.82	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	8,648.92	117.00	1,750.62		

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	15,585.54	117.00	1,746.57		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	15.85	0.12	1.78	12.21	0.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	40,065.12	117.00	1,732.70		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	40.75	0.12	1.76	26.93	0.58
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	334,700.04	117.00	1,744.73		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	340.42	0.12	1.77	265.46	0.69
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	35,412.89	117.00	1,729.74		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	36.02	0.12	1.76	36.36	0.89
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	23,493.57	117.00	1,728.36		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	23.90	0.12	1.76	19.77	0.73
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	8,786.19	117.00	1,732.80		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	8.94	0.12	1.76	3.17	0.31
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	15,362.11	117.00	1,726.86		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	15.62	0.12	1.76	14.22	0.80
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	307,763.62	117.00	1,741.25		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	313.02	0.12	1.77	234.79	0.66
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	32,277.43	117.00	1,731.62		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	32.83	0.12	1.76	36.36	0.98
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	23,493.57	117.00	1,728.36		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	23.90	0.12	1.76	19.77	0.73
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	6,129.21	117.00	1,734.36		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	6.23	0.12	1.76	7.70	1.09
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	20,291.46	117.00	1,739.37		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	20.64	0.12	1.77	29.13	1.25
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	308,459.98	117.00	1,742.18		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	313.73	0.12	1.77	240.19	0.68
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	41,110.88	117.00	1,729.49		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	41.81	0.12	1.76	34.49	0.73
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	22,523.39	117.00	1,729.24		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	22.91	0.12	1.76	17.05	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	21,206.76	117.00	1,733.50		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	21.57	0.12	1.76	13.77	0.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	8,648.92	117.00	1,750.62		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	8.80	0.12	1.78	14.76	1.49
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	13,443.59	117.00	1,742.64		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	13.67	0.12	1.77	6.21	0.40
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	41,512.92	117.00	1,731.94		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	42.22	0.12	1.76	26.94	0.56
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	24,563.82	117.00	1,736.82		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	24.98	0.12	1.77	25.47	0.90
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	22,414.47	117.00	1,723.26		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	22.80	0.12	1.75	13.95	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	345,840.75	117.00	1,737.27		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	351.75	0.12	1.77	251.21	0.63
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	22.59	0.12	1.76	19.76	0.77

DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	22.90	0.12	1.75	14.23	0.54
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	350,024.91	117.00	1,739.81		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	356.01	0.12	1.77	262.92	0.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	52,391.06	117.00	1,732.25		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	53.29	0.12	1.76	36.40	0.60
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	22,206.50	117.00	1,729.34		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	22.59	0.12	1.76	19.76	0.77
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	22,082.59	117.00	1,732.72		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	22.46	0.12	1.76	16.22	0.64
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	8,755.90	117.00	1,745.42		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	8.91	0.12	1.78	15.06	1.50
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	15,674.22	117.00	1,744.20		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	15.94	0.12	1.77	12.46	0.69
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	41,708.58	117.00	1,730.07		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	42.42	0.12	1.76	27.48	0.57
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	26,792.96	117.00	1,735.97		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	27.25	0.12	1.77	31.71	1.03
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	22,515.82	117.00	1,721.52		
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	22.90	0.12	1.75	14.23	0.54

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2029	DEKY	KY Core	Proj New Fixed Tilt Solar DEK	1.00	1.00	50.00	95,170.49
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2031	DEKY	KY Core	Proj New Solar DEK	1.00	1.00	50.00	106,955.73
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2033	DEKY	KY Core	Proj New Solar DEK	1.00	2.00	100.00	105,808.52
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2035	DEKY	KY Core	Proj New Battery DEK	1.00	1.00	50.00	121,662.91
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2035	DEKY	KY Core	Proj New Solar DEK	1.00	3.00	150.00	108,372.84
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2037	DEKY	KY Core	Proj New Solar DEK	2.00	5.00	250.00	221,699.19
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2038	DEKY	KY Core	Proj New Battery DEK	1.00	2.00	100.00	124,101.65
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2039	DEKY	KY Core	Proj New 1x1 CC DEK	1.00	1.00	599.10	1,418,111.25
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2039	DEKY	KY Core	Proj New 1x1 CC DEK DF	1.00	1.00	64.80	144,243.84
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2039	DEKY	KY Core	Proj New Solar DEK	1.00	6.00	300.00	113,388.73
DEKY 2024 IRP 111 EB2 DFO '30 - NS CC Forced Solar from '29 - High Load - PC	0	2040	DEKY	KY Core	Proj New Solar DEK	1.00	7.00	350.00	114,730.42

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non-Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2024	807.65	807.65	1,182.93		9.95	60.45	888.64	4,288.92	595.58	1,947.10	2,937.90	112,833.91	15,960.90	38.08	46.70	112,833.91			28,969.09	65,750.00	39.39	48.48	51.45	0.88	0.88	0.88	0.00	0.00	0.00	0.00				807.65	807.65	807.65							17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2025	809.57	809.57	1,183.00		9.67	60.41	887.86	4,284.00	451.51	2,244.70	2,490.80	112,023.55	13,712.29	44.97	44.42	112,023.55			23,834.01	88,414.41	43.16	52.01	55.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.57	808.57	808.57							17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2026	812.20	812.20	1,183.06		9.30	60.30	887.77	4,296.02	565.09	1,716.52	3,139.39	126,025.91	12,819.15	40.14	46.61	126,025.91			25,068.24	76,189.07	45.34	53.79	57.92	0.54	0.54	0.54	0.00	0.00	0.00	0.00				812.20	808.47	808.47							17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	728.30	1,375.69	3,637.97	137,691.36	59,396.23	32.35	47.11	137,691.39			34,361.30	59,106.58	49.93	54.30	38.59	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.22	808.22							17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2028	812.17	812.17	1,183.19		9.36	60.19	887.58	4,282.49	564.67	1,522.99	3,164.17	113,166.75	40,592.14	34.15	44.80	113,166.78			24,560.04	62,074.72	43.67	51.98	36.43	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44							17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2029	812.17	812.17	1,183.19		9.36	60.19	887.58	4,282.49	564.67	1,522.99	3,164.17	113,166.75	40,592.14	34.15	44.80	113,166.78			24,560.04	62,074.72	43.67	51.98	36.43	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44							17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	605.47	1,528.95	3,439.11	122,898.85	37,586.36	35.74	45.34	122,898.88			27,493.14	64,822.46	44.22	52.28	37.19	0.40	0.40	0.40	0.00	0.00	0.00	0.00				821.92	820.92	820.92							17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2031	821.92	821.92	827.36	1,183.19	7.21	60.30	887.49	4,362.59	583.81	1,550.61	3,448.81	124,014.74	44,539.15	36.11	46.26	124,014.77			27,771.78	64,993.17	44.89	52.97	38.43	0.37	0.37	0.37	0.00	0.00	0.00	0.00				821.92	827.36	827.36	219.93						17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2032	831.22	831.22	831.22	1,183.19	6.96	60.12	887.39	4,389.85	616.30	1,550.61	3,448.81	124,014.74	44,539.15	36.11	46.26	124,014.77			28,611.12	64,993.17	45.36	53.97	39.43	0.34	0.34	0.34	0.00	0.00	0.00	0.00				831.22	827.66	827.66	2,549.88						17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2033	843.12	843.12	843.12	1,183.19	6.75	60.12	887.39	4,450.26	649.41	1,665.45	3,500.99	129,963.35	41,668.72	36.93	47.36	129,963.35			29,553.12	71,776.97	46.77	53.02	41.37	0.27	0.27	0.27	0.00	0.00	0.00	0.00				843.12	834.59	834.59	10,836.07						17.59			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,430.26	482.41	1,815.35	3,287.33	124,352.27	36,910.45	37.83	47.74	124,352.35			21,008.69	71,776.97	46.77	53.02	41.37	0.27	0.27	0.27	0.00	0.00	0.00	0.00				843.73	840.00	840.00	36,730.67						17.59			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2035	861.89	861.89	1,183.19		2.96	59.91	887.39	4,524.78	493.00	1,736.17	3,191.60	124,790.23	35,508.41	39.10	48.80	124,790.25			18,635.81	81,154.09	47.87	53.92	42.59	0.20	0.20	0.20	0.00	0.00	0.00	0.00				861.89	858.16	858.16	211,251.62						17.60			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2036	882.06	882.06	1,183.19		0.48	59.34	887.39	4,577.21	578.26	1,822.01	3,155.47	121,678.68	36,275.44	42.02	50.10	121,678.68			18,432.00	95,603.27	49.16	54.64	44.35	0.20	0.20	0.20	0.00	0.00	0.00	0.00				882.06	878.33	878.33	734,723.58						17.57			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2037	891.68	891.68	1,183.19		-0.48	58.55	887.39	4,602.93	389.95	1,796.21	3,196.66	127,466.42	31,519.49	43.00	51.26	127,466.42			19,309.39	86,456.12	50.36	55.53	45.83	0.19	0.19	0.19	0.00	0.00	0.00	0.00				891.68	887.95	887.95	756,137.30						17.56			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2038	901.87	901.87	1,317.20		-3.30	58.60	872.13	4,629.70	265.44	463.09	4,430.06	-40,709.89	271,225.80	-8.87	51.92	-40,760.52			13,759.17	23,750.62	53.07	56.00	46.77	0.20	0.20	0.20	0.00	0.00	0.00	0.00				901.87	881.78	863.08	28,714.01	209,275.90		70.13	7.35	2,852.71			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Core	2040	909.62	909.62	1,317.20		-4.12	58.53	872.13	4,676.65	279.50	470.00	4,483.15	-31,667.50	268,598.87	-6.81	52.61	-31,662.10			14,850.65	24,002.52	51.80	56.37	47.84	0.22	0.22	0.22	0.00	0.00	0.00	0.00				909.62	891.91	877.54	45,148.18	213,571.99		66.75	9.21	2,844.58			
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2024							0.00	1,244.70	451.51	0.00	0.00		0.00				-40,760.91		40,780.91																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2025							0.00	1,244.70	492.51	0.00	0.00		0.00				-44,580.40		44,580.40																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2026							0.00	1,716.32	565.09	0.00	0.00		0.00				-41,120.83		41,120.83																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2027							0.00	1,375.69	728.93	0.00	0.00		0.00				-24,740.09		24,740.09																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2028							0.00	1,503.12	703.00	0.00	0.00		0.00				-36,558.53		36,558.53																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2029							0.00	1,503.12	703.00	0.00	0.00		0.00				-37,263.52		37,263.52																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2030							0.00	1,528.95	605.47	0.00	0.00		0.00				-37,586.36		37,586.36																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2031							0.00	1,550.61	583.81	0.00	0.00		0.00				-37,539.52		37,539.52																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2032							0.00	1,574.53	583.81	0.00	0.00		0.00				-38,503.36		38,503.36																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2033							0.00	1,560.31	616.30	0.00	0.00		0.00				-38,792.45		38,792.45																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2034							0.00	1,595.41	493.92	0.00	0.00		0.00				-46,960.36		46,960.36																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2035							0.00	1,736.17	493.00	0.00	0.00		0.00				-52,108.28		52,108.28																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2036							0.00	1,822.01	578.26	0.00	0.00		0.00				-52,158.29		52,158.29																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2037							0.00	1,711.13	429.90	0.00	0.00		0.00				-58,986.03		58,986.03																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2038							0.00	1,796.21	389.95	0.00	0.00		0.00				-67,234.38		67,234.38																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2039							0.00	1,876.65	279.50	0.00	0.00		0.00				-85,665.36		85,665.36																											
DSSY 2024 IRP E92 DFO '50 - New Settings - PC	0	DSSY	KY Market	2040							0.00	1,876.65	279.50	0.00	0.00		0.00				-9,151.87		24,002.52																											

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,705.40	32.36				4,389.00	8.00	11,138.28	19,052,106.17	49,161.23	720.45	2.62	1,263.20	23,506.90	74,651.78	43.77	74,651.78	74,651.76								47.97	81,802.79			0.00	7,151.02			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,221.20	42.26				5,057.00	8.00	11,018.93	24,532,128.63	63,721.85	742.96	2.63	1,294.40	31,700.49	97,659.71	43.88	32,574.08	130,233.79	97,459.69								49.18	109,241.88			0.00	-20,791.91			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	2,976.40	56.63				5,864.00	9.00	10,815.25	32,254,488.88	69,932.00	1,183.37	2.20	1,492.20	43,852.55	116,450.12	39.12	76,066.69	192,516.81	116,450.12								49.55	147,488.33			0.00	-45,028.48			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,491.70	66.43				5,822.00	10.00	10,614.05	37,132,189.00	81,161.26	1,261.24	2.27	1,700.00	23,268.25	109,390.74	31.33		109,390.74	109,390.75								47.95	167,415.11			0.00	58,024.37			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,406.60	64.64				5,801.00	10.00	10,637.63	36,309,264.88	83,277.70	1,731.18	2.34	1,741.00	23,401.70	110,152.59	32.34		110,152.59	110,152.59								45.60	155,348.90			0.00	45,196.31			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,233.40	61.52				5,669.00	9.00	10,671.12	34,567,985.63	81,268.84	1,391.78	2.45	1,667.40	22,977.65	109,275.68	33.80	113,334.69	109,275.68	109,275.68								46.02	148,448.41			0.00	39,172.74			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	3,230.00	61.45				5,690.00	9.00	10,783.43	34,894,485.00	85,124.30	1,446.44	2.48	1,647.90	23,165.07	111,883.71	34.64	112,228.60	225,218.40	111,883.72								45.87	148,169.97			0.00	-77,048.44			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.12	3,219.90	61.29				5,672.00	9.00	10,797.00	34,768,032.00	85,000.00	1,457.00	2.50	1,642.80	23,101.00	111,543.80	34.64	112,228.60	193,500.00	111,543.80								45.87	147,695.00			0.00	-76,248.80			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,219.90	61.29				5,619.00	8.00	10,737.07	34,488,654.88	88,602.15	1,286.83	2.52	1,533.80	25,617.09	114,619.87	35.14	112,228.60	227,987.87	114,619.89								48.21	160,039.72			0.00	26,150.14			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.03	3,266.10	62.14				5,571.00	8.00	10,745.92	35,139,895.69	89,968.38	1,487.29	2.60	1,182.60	25,997.63	118,635.90	36.32	112,228.60	135,863.90	118,635.88								48.76	159,265.63			0.00	23,405.74			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	3,265.90	62.14				5,654.00	9.00	10,763.04	35,215,008.19	93,980.94	1,435.08	2.71	1,818.90	26,828.57	124,063.49	37.99	112,228.60	141,291.49	124,063.51								49.04	160,151.54			0.00	18,860.04			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.30	3,174.00	60.39				5,500.00	8.00	10,764.12	34,222,196.38	94,755.49	1,501.77	2.81	1,656.80	26,876.17	124,790.23	39.32	109,478.00	234,268.23	124,790.24								49.61	157,467.24			0.00	-76,800.99			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	1.00	600.00	498.96	61.82	3,257.90	61.82				5,659.00	8.00	10,766.92	35,134,444.13	100,995.93	1,403.41	2.91	1,698.40	28,435.78	132,532.53	40.68	112,228.60	149,760.52	132,532.53								51.49	167,752.54			0.00	19,910.01			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	1.00	600.00	498.96	66.03	3,115.90	59.28				5,519.00	7.00	10,789.90	33,670,009.06	100,433.20	1,621.27	3.03	1,523.20	28,101.01	131,678.68	42.26	112,228.60	148,906.68	131,678.66								51.74	161,218.01			0.00	12,311.33			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	3,179.10	60.49				5,591.00	8.00	10,781.47	34,332,235.56	104,639.49	1,533.64	3.09	1,784.00	29,509.26	137,466.39	43.24	112,228.60	154,694.38	137,466.41								52.83	167,844.67			0.00	13,250.29			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2024	1.00	94.00	63.83	77.31	474.46	88.47				7,752.00	2.00	10,021.36	4,754,722.13	26,440.81	-35,979.72	-2.01		845.20	-6,693.70	-18.32		-6,693.70	-6,693.22					473.68			51.50	24,434.95		0.47	0.00	33,129.12			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	1.00	64.80	46.37	89.26	480.13	89.26				7,838.03	0.68	10,029.45	4,815,466.05	28,777.29	-37,168.79	-1.74		876.69	-7,514.80	-15.65		-7,514.80	-7,514.33					479.35			52.32	25,122.23		0.48	0.00	32,637.51			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	1.00	525.85	376.83	88.47	3,853.57	88.47				7,838.03	7.00	7,395.62	29,500,782.38	158,107.19	-215,664.31	-2.02		31,288.70	-26,268.42	-6.82	88,907.61	-26,268.42	-26,259.75					2,203.24			52.50	198,410.57		2.20	0.00	135,795.57			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	1.00	525.85	376.83	89.26	3,899.20	89.26				7,838.03	0.68	7,396.55	28,842,093.13	172,017.76	-222,615.63	-1.75		32,454.05	-18,143.82	-4.65	91,130.30	72,986.48	-18,139.11					2,227.44			52.32	204,011.56		2.23	0.00	131,027.31			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2024	1.00	94.00	57.92	81.05	188.23	24.54			14.00	2,406.00	38.00	15,183.70	2,858,791.44	6,288.85	154.25	2.25	224.20	0.00	6,668.30	35.43		6,668.30	6,668.30								46.74	8,797.26			0.00	2,128.96			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2025	1.00	94.00	57.92	74.77	48.85	6.39				549.00	28.00	14,756.07	721,348.25	2,639.89	32.37	3.70	170.80	0.00	2,843.05	58.21		2,843.05	2,843.05								62.76	3,065.27			0.00	222.22			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2026	1.00	94.00	57.92	90.14	24.64	3.22				278.00	14.00	14,767.51	364,091.58	1,517.21	17.05	4.21	86.80	0.00	1,621.06	65.80		1,621.06	1,621.06								72.34	1,782.08			0.00	161.02			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2027	1.00	94.00	57.92	89.49	22.09	2.89				251.00	14.00	14,793.49	327,126.46	1,319.57	12.80	4.07	89.60	0.00	1,421.97	64.36		1,421.97	1,421.97								68.70	1,517.75			0.00	95.78			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2028	1.00	94.00	57.92	89.51	10.89	1.42	1.00	128.00	8.00	14,882.56	162,212.27	653.50	12.11	4.10	52.80	0.00	718.41	65.98	718.41	65.98		718.41	718.41								70.59	768.65			0.00	50.24			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2029	1.00	94.00	57.92	85.51	9.76	1.28	1.00	114.00	7.00	14,864.47	145,286.66	569.48	9.79	3.99	46.90	0.00	626.17	64.13	626.17	64.13		626.17	626.17								68.68	670.61			0.00	44.45			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2030	1.00	94.00	57.92	85.16	28.59	3.74		125.00	16.00	14,793.24	423,200.63	1,497.13	18.41	3.58	110.40	0.00	1,625.95	56.88	1,625.95	56.88		1,625.95	1,625.95								59.68	1,705.85			0.00	79.90			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2031	1.00	94.00	57.92	85.86	15.47	2.02		184.00	11.00	14,907.93	230,886.57	888.71	22.06	3.94	78.10	0.00	988.87	63.91	988.87	63.91		988.87	988.87								66.07	1,022.29			0.00	33.42			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2032	1.00	94.00	57.92	85.25	1.33	0.40	1.00	209.00	6.00	14,875.75	266,514.42	1,172.75	12.40	4.45	43.20	0.00	1,228.35	68.59	1,228.35	68.59		1,228.35	1,228.35								73.72	1,284.30			0.00	55.95			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2033	1.00	94.00	57.92	85.26	0.85	0.11		9.00	1.00	14,614.46	12,384.83	60.99	0.00	4.93	7.40	0.00	68.40	80.85	68.40		68.40	68.40								83.36	70.52			0.00	2.13			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2034	1.00	94.00	57.92	84.95																		0.00	-20,259.75													0.00	0.00			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2035	1.00	94.00	57.92	84.95																		0.00														0.00	0.00			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2036	1.00	94.00	57.92	85.80																		0.00														0.00	0.00			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2037	1.00	94.00	57.92	85.21																		0.00														0.00	0.00			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2038	1.00	94.00	57.92	85.96																		0.00														0.00	0.00			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2039	1.00	94.00	57.92	85.05																		0.00														0.00	0.00			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2040	1.00	94.00	57.92	86.06																		0.00														0.00	0.00			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2024	1.00	94.00	67.62	87.93	203.83	26.32	18.00	2,533.00	35.00	15,095.69	3,077,696.22	5,805.06	120.15	1.93	206.50	0.00	6,131.71	30.08	6,131.71	30.08		6,131.71	6,131.71								41.39	8,435.67			0.00	2,303.95			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2025	1.00	94.00	67.62	72.67	44.67	5.79	1.00	505.00	28.00	14,772.51	660,408.01	2,397.81	36.37	3.69	170.80	0.00	2,604.98	58.32	2,604.98	58.32		2,604.98	2,604.98								63.16	2,820.97			0.00	215.98			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2026	1.00	94.00	67.62	87.46	25.77	3.34		290.00	15.00	14,759.26	380,675.85	1,577.50	19.76	4.20	93.00	0.00	1,690.26	65.59	1,690.26	65.59		1,690.26	1,690.26								72.02	1,855.94			0.00	165.68			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2027	1.00	94.00	67.62	87.59	23.10	2.99	1.00	262.00	15.00	14,797.39	341,977.55	1,370.25	15.23	4.05	96.00	0.00	1,481.48	64.12	1,481.48	64.12		1,481.48	1,481.48								68.43	1,581.15			0.00	99.67			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2028	1.00	94.00	67.62	87.93	11.01	1.42	1.00	128.00	8.00	14,850.24	163,713.67	658.88	12.36	4.10	52.80	0.00	724.03	65.74	724.03	65.74		724.03	724.03								70.58	777.30			0.00	53.27			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2029	1.00	94.00	67.62	84.35	12.20	1.58	1.00	140.00	8.00	14,812.31	180,922.64	683.03	12.25	3.84	53.60	0.00	748.88	61.37	748.88	61.37		748.88	748.88								65.27	796.48			0.00	47.60			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2030	1.00	94.00	67.62	84.95	12.20	1.58	1.00	386.00	20.00	14,804.32	500,902.46	1,782.33	26.49	3.61	138.00	0.00	1,946.82	57.58	1,946.82	57.58		1,946.82	1,946.82								60.08	2,031.63			0.00	84.81			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2031	1.00	94.00	67.62	85.26	3.29	0.43	1.00	270.00	12.00	14,836.88	349,584.71	1,410.32	25.09	4.11	85.20	0.00	1,520.61	64.43	1,520.61	64.43		1,520.61	1,520.61								68.79	1,623.63			0.00	103.02			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2032	1.00	94.00	67.62	86.59	3.29	0.43	1.00	210.00	6.00	14,856.86	269,258.19	1,183.45	12.85	4.44	43.20	0.00	1,239.49	68.42	1,239.49	68.42		1,239.49	1,239.49								71.64	1,297.84			0.00	58.34			
DEKY 2024 RP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2033	1.00	94.00	67.62	86.59	3.29	0.43	1.00	35.00	2.00	14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54	251.81	76.54		251.81	251.81								77.45	254.83

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,949,860.02	204.69	2,286.69		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	711.68	0.07	0.83	717.47	0.42
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,238.39	0.13	1.45	2.97	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,512,384.09	204.82	2,262.19		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	945.14	0.08	0.85	739.14	0.33
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,594.59	0.13	1.44	3.83	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,304,354.70	204.89	2,220.37		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,249.56	0.08	0.84	1,178.34	0.40
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,096.54	0.13	1.41	5.03	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,804,321.11	204.91	2,179.07		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,477.89	0.08	0.85	1,255.44	0.36
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,413.59	0.13	1.38	5.79	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,719,847.96	204.90	2,183.91		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,396.37	0.08	0.82	1,725.53	0.51
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,360.10	0.13	1.39	5.66	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,541,835.39	204.92	2,190.78		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,350.64	0.08	0.84	1,386.39	0.43
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,246.92	0.13	1.39	5.39	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,575,348.73	204.92	2,213.84		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,343.63	0.08	0.83	1,446.45	0.45
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,565,746.82	204.96	2,210.97		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,346.80	0.08	0.84	1,388.99	0.43
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	3,659,059.11	205.05	2,204.32		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,399.20	0.08	0.84	1,286.83	0.39
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	3,602,729.30	205.05	2,206.14		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,359.06	0.08	0.83	1,487.29	0.46
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	3,608,250.24	204.93	2,209.65		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,367.00	0.08	0.84	1,425.09	0.44
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	3,507,068.05	204.96	2,209.87		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	1,320.90	0.08	0.83	1,501.77	0.47
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	3,600,710.25	204.97	2,210.45		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	1,370.09	0.08	0.84	1,402.41	0.43
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	3,451,115.86	205.00	2,215.16		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	1,289.52	0.08	0.83	1,621.27	0.52
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	3,518,363.45	204.96	2,213.43		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	1,328.08	0.08	0.84	1,533.64	0.48
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2039	CO2	285,283.28	120.00	1,202.56	-36,005.41	-75.89
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2039	NOx	19.02	0.01	0.08	25.61	0.05
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	CO2	288,927.90	120.00	1,203.53	-37,194.97	-77.47
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	NOx	19.26	0.01	0.08	26.15	0.05
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	CO2	1,710,046.88	120.00	887.60	-215,822.55	-56.01
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	NOx	114.00	0.01	0.06	159.05	0.04
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	CO2	1,730,525.42	120.00	887.63	-222,778.09	-57.13
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	NOx	115.37	0.01	0.06	162.41	0.04
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	167,239.24	117.00	1,776.99		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	170.10	0.12	1.81	154.25	0.82
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,198.87	117.00	1,727.87		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	42.92	0.12	1.76	32.37	0.66
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	24,757.23	117.00	1,732.18		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	25.18	0.12	1.76	18.41	0.64

DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	13,506.86	117.00	1,745.97		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	13.74	0.12	1.78	22.06	1.43
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	724.51	117.00	1,712.80		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	0.74	0.12	1.74	0.00	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	180,045.16	117.00	1,766.62		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	183.12	0.12	1.80	120.15	0.59
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	38,633.86	117.00	1,729.92		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	39.29	0.12	1.76	36.37	0.81
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,269.53	117.00	1,728.26		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.65	0.12	1.76	19.76	0.77
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	28,031.37	117.00	1,731.03		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	28.51	0.12	1.76	23.53	0.73
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	21,737.77	117.00	1,731.68		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	22.11	0.12	1.76	25.09	1.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	155,580.81	117.00	1,738.60		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	158.24	0.12	1.77	130.13	0.73
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	25,447.01	117.00	1,736.74		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	25.88	0.12	1.77	22.14	0.76
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	18,892.98	117.00	1,731.47		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	19.22	0.12	1.76	19.76	0.91
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	13,020.97	117.00	1,716.33		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	13.24	0.12	1.75	2.20	0.14
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	6,153.43	117.00	1,748.13		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	6.26	0.12	1.78	10.03	1.42
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	29,126.97	117.00	1,732.77		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	29.62	0.12	1.76	26.59	0.79
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	19,974.73	117.00	1,728.96		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	20.32	0.12	1.76	20.16	0.87
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	185,233.27	117.00	1,745.83		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	188.40	0.12	1.78	92.45	0.44
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,353.75	117.00	1,739.67		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	34.94	0.12	1.77	34.48	0.87
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,451.96	117.00	1,741.17		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.61	0.12	1.77	12.00	1.11
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	25,560.88	117.00	1,731.47		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	26.00	0.12	1.76	18.41	0.62
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	20,660.57	117.00	1,733.41		

DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	21.01	0.12	1.76	22.08	0.93
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	190,939.82	117.00	1,746.96		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	194.20	0.12	1.78	156.60	0.72
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	38,948.20	117.00	1,736.67		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	39.61	0.12	1.77	34.20	0.76
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	29,088.95	117.00	1,732.16		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	29.59	0.12	1.76	26.49	0.79
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	21,737.77	117.00	1,731.68		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	22.11	0.12	1.76	25.09	1.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	187,256.00	117.00	1,757.98		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	190.46	0.12	1.79	85.90	0.40
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	38,773.31	117.00	1,729.31		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	39.44	0.12	1.76	36.37	0.81
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	29,308.05	117.00	1,733.56		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	29.81	0.12	1.76	26.49	0.78
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	20,450.70	117.00	1,732.96		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	20.80	0.12	1.76	25.09	1.06
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 DFO '30 - New Settings - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Carrying C	Installed C	Carrying Costs	Capital Exp	Installed Cost	Book Value	Book Depr	Tax Depre	Deferred Taxes	ADIT	Tax Credit	Deferred C	Property T	Decommissioning	Other Costs	Debt	Debt Servi	Interest	AFUDC	Capitalize	Rate Base	Allowed Return
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	525.85	317.80	3,711.61	167,118.16		1,951,756.25	1,798,517.63	55,764.46	70,862.42	-22,205.95	-6,732.66		2,927.63	104,206.91	835.35	896,352.13	88,189.38	55,125.66				1,867,400.25	181,227.39
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	296.33	3,419.52	19,201.99		221,584.81	212,642.17	6,330.99	8,045.08	285.16	2,041.86		332.38	569.79	94.84	103,792.87	8,107.89	6,383.26				216,235.14	20,985.18
DEKY 2024	0	2039	DEKY	KY Core	Proj New E	2.00	2.00	100.00	140.85	2,497.19	14,084.69	6,852.49	249,719.14	236,554.48	8,323.97	48,924.16	9,951.62	11,302.39		374.58	665.92	-88,738.84	118,088.26	8,391.77	7,263.21	275.13	210.71	238,905.64	23,185.30
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	1.00	1.00	50.00	177.42	2,267.77	8,871.07	31,862.12	113,388.73	179,450.75	3,779.62	23,069.10	4,693.91	5,710.25		170.08	453.55	48.53	88,214.06	-8,653.96	6,575.95	4,465.40	3,381.95	108,197.82	10,500.38

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability (000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost (000)	Energy Market Cost (000)	Capacity Market Cost (000)	Sales Value (000)	Purchase Cost (000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense (000)	Carrying Costs (000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2024	807.65	807.65	1,182.90		9.95	60.45	888.04	4,288.50	623.71	1,877.50	3,234.72	114,920.15	31,387.39	35.53	40.70	114,920.15			29,422.13	57,675.55	39.39	48.48	31.45	0.88	0.88	0.88	0.00	0.00	0.00	0.00					807.65	803.47	803.47									17.63
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2025	812.20	812.20	1,181.86		9.30	60.30	887.77	4,284.62	669.47	1,469.10	3,615.15	125,279.25	46,232.75	35.89	46.61	125,279.25			32,834.53	61,310.15	45.34	53.79	37.02	0.54	0.54	0.54	0.00	0.00	0.00	0.00					812.20	808.47	808.47									17.60
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2026	812.20	812.20	1,181.86		9.30	60.30	887.77	4,284.62	669.47	1,469.10	3,615.15	125,279.25	46,232.75	35.89	46.61	125,279.27			32,834.53	61,310.15	45.34	53.79	37.02	0.54	0.54	0.54	0.00	0.00	0.00	0.00					812.20	808.47	808.47									17.60
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2027	811.95	811.95	1,181.13		9.33	60.24	887.67	4,284.73	713.98	1,512.36	3,686.35	112,830.48	57,458.23	30.61	47.11	112,830.52			30,806.00	62,349.94	45.93	54.30	38.59	0.55	0.55	0.55	0.00	0.00	0.00	0.00					811.95	808.22	808.22									17.60
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2028	812.07	812.07	1,181.19		9.30	60.15	887.58	4,282.69	755.52	1,465.58	3,564.69	109,669.76	61,755.76	30.85	46.80	109,669.76			31,123.31	62,753.35	46.67	55.08	39.16	0.47	0.47	0.47	0.00	0.00	0.00	0.00					812.07	808.44	808.44									17.60
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2029	812.12	812.12	1,181.19		9.28	60.09	887.48	4,282.69	829.54	1,465.58	3,440.69	115,069.56	65,773.77	31.32	46.80	115,069.56			31,564.05	62,753.35	47.37	55.88	39.73	0.40	0.40	0.40	0.00	0.00	0.00	0.00					812.12	808.44	808.44									17.60
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2030	812.32	812.32	1,181.19		9.26	59.93	887.38	4,282.69	905.54	1,465.58	3,316.69	117,583.39	70,913.37	31.80	46.80	117,583.39			32,005.78	62,753.35	48.12	56.78	40.32	0.40	0.40	0.40	0.00	0.00	0.00	0.00					812.32	808.62	808.62									17.60
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2031	827.36	827.36	1,181.19		7.27	60.30	887.49	4,370.05	284.16	2,618.80	2,035.41	98,782.44	9,256.63	48.53	46.08	98,782.44			16,439.34	100,771.64	44.89	52.87	37.93	0.37	0.37	0.37	0.00	0.00	0.00	0.00					827.36	826.35	826.35									17.60
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2032	831.22	831.22	1,181.19		6.76	60.12	887.39	4,389.82	189.05	3,291.50	1,286.37	67,820.91	4,680.57	52.73	46.33	67,820.92			11,446.86	142,336.48	45.30	51.97	39.43	0.32	0.32	0.32	0.00	0.00	0.00	0.00					831.22	827.49	827.49	12,638.01								17.63
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2033	843.73	843.73	1,181.19		5.17	59.81	887.39	4,420.26	62.82	4,274.53	278.55	22,276.21	802.79	54.84	47.74	22,276.21			3,939.81	190,812.06	46.77	53.02	41.27	0.27	0.27	0.27	0.00	0.00	0.00	0.00					843.73	840.00	840.00	43,022.05								17.59
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2034	861.89	861.89	1,181.19		2.96	59.93	887.39	4,524.78	7.13	4,362.55	169.56	9,799.28	1,681.91	57.86	48.80	9,799.29			443.12	209,778.87	47.87	53.92	42.59	0.20	0.20	0.20	0.00	0.00	0.00	0.00					861.89	858.16	858.16	66,780.16								17.60
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2035	873.04	873.04	1,233.19		2.05	59.54	889.89	4,560.76	6.53	4,360.61	226.68	5,608.55	13,574.18	7.55	49.77	5,608.67			425.36	214,225.76	48.76	54.68	43.58	0.20	0.20	0.20	0.00	0.00	0.00	0.00					873.04	866.25	866.25	85,397.82	8,626.17							124.65
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2037	882.06	882.06	1,233.19		0.89	59.24	889.89	4,577.21	3.95	4,368.20	212.97	292.39	11,883.23	1.37	50.10	292.51			247.70	217,575.69	49.16	54.64	44.35	0.20	0.20	0.20	0.00	0.00	0.00	0.00					882.06	863.44	863.44	176,413.94	8,703.54							124.83
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2038	901.87	901.87	1,233.19		0.17	58.80	894.89	4,629.79	3.95	4,258.62	465.58	-13,881.38	34,538.57	-32.98	51.92	-13,881.04			438.05	219,673.39	51.07	56.00	46.77	0.20	0.20	0.20	0.00	0.00	0.00	0.00					901.87	872.21	872.21	248,878.76	24,613.21							341.34
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Core	2039	909.62	909.62	1,433.19		0.07	58.53	899.89	4,676.65	9.34	4,072.64	613.36	-26,662.87	57,610.25	-43.47	52.61	-26,662.31			447.36	215,719.28	51.80	56.37	47.84	0.22	0.22	0.22	0.00	0.00	0.00	0.00					909.62	872.76	872.76	200,355.41	45,089.61							562.36
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2024							0.00	1,877.50	623.71	0.00	0.00						28,253.42		57,675.56	29,422.14	39.39	48.48	31.45						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2025							0.00	1,953.26	555.15	0.00	0.00						49,135.77		78,534.89	29,399.12	43.16	52.01	35.45						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2026							0.00	1,953.26	555.15	0.00	0.00						49,135.77		78,534.89	29,399.12	43.16	52.01	35.45						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Market Run- PC		0	DEFF	KY Market	2027							0.00	1,512.36	713.98	0.00	0.00						31,543.91		62,349.95	30,806.00	45.93	54.30	38.59						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2028							0.00	1,447.58	711.52	0.00	0.00						30,666.83		61,955.15	31,238.32	44.78	53.38	37.33						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2029							0.00	1,400.82	625.54	0.00	0.00						35,590.00		62,712.05	27,122.05	43.87	51.98	36.43						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2030							0.00	2,177.18	309.92	0.00	0.00						69,893.33		87,013.38	17,054.05	44.22	52.28	37.19						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2031							0.00	3,000.40	284.16	0.00	0.00						98,782.44		142,336.48	43,554.04	44.89	52.87	37.93						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2032							0.00	3,292.50	189.05	0.00	0.00						130,889.62		142,336.49	11,446.86	45.30	51.97	39.43						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2033							0.00	3,890.40	67.73	0.00	0.00						173,835.69		177,922.57	4,086.88	46.36	52.79	40.75						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2034							0.00	4,174.53	32.82	0.00	0.00						194,871.25		196,811.07	1,939.82	46.77	53.02	41.37						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2035							0.00	4,362.55	7.13	0.00	0.00						209,335.75		209,778.87	443.13	47.87	53.92	42.59						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2036							0.00	4,560.76	6.53	0.00	0.00						217,184.29		217,575.69	391.40	49.16	54.64	44.35						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2037							0.00	4,368.20	3.95	0.00	0.00						217,127.99		217,575.70	447.70	49.16	54.64	44.35						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2038							0.00	4,360.12	0.43	0.00	0.00						219,308.65		219,938.10	29.46	50.38	55.53	45.83						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2039							0.00	4,230.62	6.50	0.00	0.00						219,233.94		219,671.99	438.04	51.07	56.00	46.77						0.00																
DEFF 2024 IRP E62 NGC '30- NS No Must Run- PC		0	DEFF	KY Market	2040							0.00	4,072.64	9.34	0.00	0.00						215,051.93		215,719.28	667.35	51.80	56.37	47.84						0.00																

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	2,600.61	37.96	10,785.40	3,906.00	7.00	10,785.40	21,627,154.00	56,155.24	708.54	1,595.30	20,218.17	28,197.25	39.09	78,197.25	78,197.25	47.31	94,641.92	0.00	16,446.68																
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,611.49	49.69	10,822.77	5,261.00	7.00	10,822.77	28,313,354.88	73,189.48	1,096.62	2.62	1,132.60	27,584.77	103,003.47	39.44	37,196.83	140,200.30	103,003.46										47.58	124,253.13				0.00	-15,947.17				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2026	1.00	600.00	498.96	67.95	3,331.58	63.39	10,645.59	5,730.00	8.00	10,645.59	35,515,531.19	76,911.57	1,204.93	2.20	1,326.40	36,516.46	115,959.34	34.81	76,066.69	192,026.03	115,959.33										48.15	160,403.01				0.00	31,623.01				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,541.11	67.37	5,928.00	9.00	10,618.02	37,663,513.13	83,937.49	1,786.76	2.28	1,700.00	17,188.61	104,612.87	29.54	104,612.87	104,612.88	45.37	160,666.28	0.00	56,053.41								46.47	161,429.60				0.00	55,926.55				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,474.20	65.92	5,805.00	10.00	10,616.12	36,953,567.00	84,919.85	1,334.10	2.13	1,916.20	17,332.90	105,503.05	30.37	105,503.05	105,503.05	46.47	161,429.60	0.00	55,926.55								44.98	150,952.95				0.00	44,691.03				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,356.26	63.86	5,685.00	8.00	10,629.92	35,773,661.63	85,866.46	1,689.73	2.45	1,428.80	17,276.93	106,261.92	31.66	106,261.92	106,261.92	44.98	150,952.95	0.00	-101,627.47								50.70	114,384.46				0.00	-101,627.47				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	2,256.03	42.92	4,659.00	14.00	10,853.18	24,584,688.38	89,130.96	1,014.97	3.67	2,563.40	12,202.12	104,911.45	46.50	175,100.48	280,011.93	104,911.44											51.97	97,780.73				0.00	-20,595.63				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2031	1.00	600.00	498.96	66.30	1,881.46	35.80	3,902.00	13.00	11,075.63	20,930,763.67	76,027.22	973.85	3.68	2,438.80	10,466.50	89,906.36	47.79	28,470.00	118,376.36	89,906.37											55.12	64,075.88				0.00	-24,935.73				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	1,162.41	22.06	2,294.00	12.00	11,014.03	12,888,188.94	51,332.88	463.76	4.02	2,115.30	6,629.67	60,541.61	52.08	28,470.00	89,011.61	60,541.61											59.59	32,206.01				0.00	-27,056.56				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2033	1.00	600.00	498.96	66.03	540.47	10.28	1,022.00	7.00	10,963.41	5,975,143.81	26,077.29	171.86	4.39	1,379.70	3,163.72	30,792.57	56.97	28,470.00	59,262.57	30,792.57											58.59	15,120.61				0.00	-28,409.12				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	258.09	4.91	515.00	4.00	11,027.50	2,874,501.38	12,553.65	132.49	4.41	808.40	1,565.19	15,059.72	58.35	28,470.00	43,529.72	15,059.73											58.59	15,120.61				0.00	-28,409.12				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2035	1.00	600.00	498.96	66.30	151.77	2.89	274.00	2.00	10,910.93	1,670,146.31	8,373.22	72.41	5.06	414.20	939.44	9,799.28	64.57	28,470.00	38,269.28	9,799.27											70.17	10,649.79				0.00	-27,619.48				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2036	1.00	600.00	498.96	66.12	102.03	1.94	186.00	3.00	10,921.73	1,135,674.06	5,814.89	57.31	5.17	636.90	651.54	7,160.64	70.18	28,470.00	35,630.64	7,160.64											70.39	7,182.40				0.00	-28,448.25				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2037	1.00	600.00	498.96	66.03	88.14	1.68	152.00	2.00	10,861.37	971,514.88	4,920.97	70.31	5.14	435.20	577.25	6,003.73	68.12	28,470.00	34,473.73	6,003.73											70.92	6,250.49				0.00	-28,223.24				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	9.82	0.19	17.00	1.00	10,865.71	111,780.84	690.93	0.01	6.07	223.00	66.29	980.23	99.85	28,470.00	29,450.23	980.23											78.41	769.79				0.00	-28,680.44				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2039	1.00	600.00	498.96	66.03	63.22	1.20	106.00	1.00	10,832.04	691,881.25	3,616.46	73.00	5.33	228.60	438.79	4,356.85	68.92	28,470.00	32,826.85	4,356.85											72.51	4,583.98				0.00	-28,242.87				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2040	1.00	600.00	498.96	66.12	51.00	0.97	85.00	1.00	10,825.85	559,228.31	3,172.26	60.07	5.78	234.30	364.74	3,831.38	75.13	28,470.00	32,301.38	3,831.38											75.18	3,834.12				0.00	-28,467.25				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.77	0.07	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	1.00	94.00	57.92	81.34	192.45	25.09			21.00	2,432.00	54.00	15,140.85	2,915,056.39	6,449.10	165.17	2.27	318.60	0.00	6,932.87	36.02	6,932.87	6,932.87									47.42	9,125.31				0.00	2,192.45				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	1.00	94.00	57.92	74.52	43.21	5.65				478.00	24.00	14,714.62	636,337.43	2,370.95	19.79	3.76	146.40	0.00	2,537.15	58.72	2,537.15	2,537.15									63.61	2,748.81				0.00	211.67				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	1.00	94.00	57.92	89.84	24.64	3.22				276.00	14.00	14,767.51	364,091.58	1,517.21	17.05	4.21	86.80	0.00	1,621.06	65.80	1,621.06	1,621.06									72.34	1,782.08				0.00	161.02				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	1.00	94.00	57.92	89.59	22.09	2.89				251.00	14.00	14,793.49	327,126.46	1,319.57	12.80	4.07	89.60	0.00	1,421.97	64.36	1,421.97	1,421.97									68.70	1,517.75				0.00	95.78				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	1.00	94.00	57.92	89.52	10.89	1.42			1.00	128.00	8.00	14,882.56	162,212.27	653.50	12.11	4.10	52.80	0.00	718.41	65.98	718.41	718.41									70.59	718.41				0.00	50.24				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	1.00	94.00	57.92	89.56	9.76	1.28			1.00	114.00	7.00	14,864.47	145,286.66	569.48	9.79	3.99	46.90	0.00	626.17	64.13	626.17	626.17									68.68	670.61				0.00	44.45				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	1.00	94.00	57.92	84.81	34.98	4.57				374.00	13.00	14,794.67	517,775.86	1,770.36	16.49	3.45	89.70	0.00	1,876.55	53.65	1,876.55	1,876.55									59.92	1,955.67				0.00	79.32				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	1.00	94.00	57.92	85.81	22.84	2.99			1.00	264.00	13.00	14,836.14	339,064.58	1,389.61	20.89	4.16	92.30	0.00	1,502.79	65.81	1,502.79	1,502.79									69.74	1,592.56				0.00	89.76				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	1.00	94.00	57.92	85.25	18.36	2.39				209.00	6.00	14,796.70	271,719.39	1,136.62	12.40	4.45	43.20	0.00	1,252.22	68.22	1,252.22	1,252.22									71.36	1,309.79				0.00	57.57				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	1.00	94.00	57.92	85.76	3.29	0.43				35.00	2.00	14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54	251.81	251.81									77.45	254.83				0.00	3.01				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2034	1.00	94.00	57.92	85.31																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2035	1.00	94.00	57.92	85.05																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2036	1.00	94.00	57.92	85.86																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2037	1.00	94.00	57.92	85.86																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2038	1.00	94.00	57.92	85.56																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2039	1.00	94.00	57.92	85.56																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2040	1.00	94.00	57.92	85.10																																		0.00		0.00	0.00	
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	1.00	94.00	67.62	88.06	197.80	25.55			13.00	2,394.00	17.00	15,016.19	2,970,563.26	5,602.10	51.90	1.90	100.30	0.00	5,754.29	29.09	5,754.29	5,754.30									40.36	7,983.39				0.00	2,229.10				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	1.00	94.00	67.62	72.76	41.05	9.32				465.00	27.00	14,776.31	607,060.84	2,193.43	36.36	3.67	164.70	0.00	2,394.50	58.34	2,394.50	2,394.50									63.33	2,599.24				0.00	204.74				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	1.00	94.00	67.62	87.46	25.77	3.34				290.00	15.00	14,759.26	380,675.85	1,577.50	19.76	4.20	93.00	0.00	1,690.26	65.59	1,690.26	1,690.26									72.02	1,855.94				0.00	165.68				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	1.00	94.00	67.62	87.59	23.10	2.99				251.00	15.00	14,787.39	341,977.55	1,370.25	15.23	4.05	96.00	0.00	1,481.48	64.12	1,481.48	1,481.48									68.43	1,581.15				0.00	99.67				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	1.00	94.00	67.62	88.07	11.01	1.42			1.00	128.00	8.00	14,850.24	163,713.67	658.88	12.36	4.10	52.80	0.00	724.03	65.74	724.03	724.03									70.58	777.30				0.00	53.27				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	1.00	94.00	67.62	84.51	12.20	1.58				274.00	8.00	14,812.31	180,922.64	683.03	12.25	3.84	53.60	0.00	748.88	61.37	748.88	748.88									67.27	796.48				0.00	47.60				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	1.00	94.00	67.62	85.17	39.00	5.05				443.00	16.00	14,788.82	577,114.91	1,995.05	22.16	3.50	110.40	0.00	2,127.61	54.55	2,127.61	2,127.61									56.64	2,241.59				0.00	84.90				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	1.00	94.00	67.62	84.95	32.00	4.15			1.00	352.00	16.00	14,817.34	467,386.17	1,615.00	19.71	4.17	107.20	0.00	1,722.20	53.82	1,722.20	1,722.20									54.79	1,814.67				0.00	95.10				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	1.00	94.00	67.62	84.91	18.12	2.34			1.00	210.00	6.00	14,856.38	269,258.19	1,183.45	12.85	4.44	43.20	0.00	1,239.49	68.42	1,239.49	1,239.49									71.64	1,297.84				0.00	58.34				
DEKY 2024 IRP E82 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	2,220,027.16	205.30	2,219.35		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	849.57	0.08	0.85	705.16	0.35
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,405.77	0.13	1.41	3.37	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,906,365.81	205.30	2,225.83		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	1,091.15	0.08	0.84	1,092.20	0.42
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,840.37	0.13	1.41	4.42	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,646,490.63	205.30	2,189.04		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,409.86	0.08	0.85	1,199.37	0.36
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,309.03	0.13	1.39	5.54	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,866,159.88	205.30	2,183.59		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,452.67	0.08	0.82	1,780.89	0.50
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,448.13	0.13	1.38	5.88	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,793,283.88	205.30	2,183.69		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,463.26	0.08	0.84	1,328.34	0.38
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,401.98	0.13	1.38	5.76	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,668,060.77	205.30	2,185.80		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,379.68	0.08	0.82	1,684.16	0.50
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,322.69	0.13	1.38	5.57	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	1,475,081.68	120.00	1,307.68		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	938.05	0.08	0.83	1,014.97	0.45
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	1,255,845.83	120.00	1,334.97		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	770.72	0.07	0.82	973.85	0.52
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	773,291.39	120.00	1,330.49		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	488.71	0.08	0.84	463.76	0.40
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	358,508.63	120.00	1,326.66		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	231.51	0.08	0.86	171.86	0.32
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	172,470.09	120.00	1,336.52		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	106.29	0.07	0.82	132.49	0.51
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	100,208.79	120.00	1,320.56		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	63.11	0.08	0.83	72.41	0.48
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	68,140.44	120.00	1,335.69		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	41.78	0.07	0.82	57.31	0.56
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	58,290.89	120.00	1,322.72		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	34.46	0.07	0.78	70.31	0.80
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	6,826.85	120.00	1,390.79		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	4.48	0.08	0.91	0.01	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	CO2	41,512.87	120.00	1,313.34		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	NOx	23.09	0.07	0.73	73.00	1.15
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	CO2	33,553.70	120.00	1,315.83		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	NOx	18.63	0.07	0.73	60.07	1.18
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	170,530.74	117.00	1,772.17		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	173.45	0.12	1.80	165.17	0.86
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	37,225.73	117.00	1,722.97		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	37.86	0.12	1.75	19.79	0.46
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	30,289.88	117.00	1,731.89		

DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	30.81	0.12	1.76	16.49	0.47
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	19,835.27	117.00	1,737.23		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	20.17	0.12	1.77	20.89	0.91
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	15,895.58	117.00	1,732.02		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	16.17	0.12	1.76	12.40	0.68
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	173,777.87	117.00	1,757.10		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	176.75	0.12	1.79	51.90	0.26
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	35,513.05	117.00	1,730.44		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	36.12	0.12	1.76	36.36	0.89
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,269.53	117.00	1,728.26		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.65	0.12	1.76	19.76	0.77
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	33,761.21	117.00	1,731.30		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	34.34	0.12	1.76	22.16	0.57
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	16,396.06	117.00	1,737.89		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	16.68	0.12	1.77	23.90	1.27
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	169,478.00	117.00	1,747.33		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	172.38	0.12	1.78	119.39	0.62
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	31,903.44	117.00	1,731.69		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	32.45	0.12	1.76	33.79	0.92
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	15,815.63	117.00	1,733.60		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	16.09	0.12	1.76	19.75	1.08
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	14,859.83	117.00	1,731.61		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	15.11	0.12	1.76	15.22	0.89
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	6,911.66	117.00	1,737.25		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	7.03	0.12	1.77	8.49	1.07
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	37,467.27	117.00	1,738.49		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	38.11	0.12	1.77	32.38	0.75
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	20,393.04	117.00	1,731.47		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	20.74	0.12	1.76	22.52	0.96
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	185,464.44	117.00	1,727.82		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	188.63	0.12	1.76	68.43	0.32
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,881.94	117.00	1,733.41		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	35.48	0.12	1.76	34.48	0.86
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		

DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	28,421.69	117.00	1,732.40		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	28.91	0.12	1.76	16.49	0.50
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	19,847.30	117.00	1,736.87		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	20.19	0.12	1.77	21.05	0.92
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	15,488.76	117.00	1,744.50		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	15.75	0.12	1.77	12.40	0.70
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	176,678.45	117.00	1,732.43		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	179.70	0.12	1.76	73.56	0.36
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	41,877.71	117.00	1,734.27		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	42.59	0.12	1.76	36.38	0.75
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	17,412.98	117.00	1,733.33		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	17.71	0.12	1.76	15.22	0.76
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,468.81	117.00	1,737.24		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.63	0.12	1.77	12.05	1.11
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	27,856.63	117.00	1,732.19		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	28.33	0.12	1.76	24.70	0.77
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	13,822.84	117.00	1,743.15		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	14.06	0.12	1.77	12.84	0.81
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	185,118.15	117.00	1,733.43		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	188.28	0.12	1.76	31.02	0.15
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	40,741.68	117.00	1,727.99		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	41.44	0.12	1.76	36.37	0.77
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	34,325.83	117.00	1,731.83		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	34.91	0.12	1.76	23.74	0.60
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	20,450.70	117.00	1,732.96		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	20.80	0.12	1.76	25.09	1.06
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 NGC '30 - NS No Must Run - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2036	DEKY	KY Core	Proj New S	1.00	1.00	50.00	109,592.53
DEKY 2024	0	2038	DEKY	KY Core	Proj New S	1.00	2.00	100.00	112,138.13
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	1.00	3.00	150.00	113,388.73
DEKY 2024	0	2040	DEKY	KY Core	Proj New S	2.00	5.00	250.00	229,460.84

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2024	807.45	807.45	1,183.59		9.39	50.45	886.04	4,288.50	4,05.19	1,971.34	2,743.32	553.73.17	22,212.19	37.49	40.79	110,775.34			22,628.87	52,362.67	39.35	46.48	35.45	0.88	0.88	0.88	0.00	0.00	0.00	0.00				807.45	807.45	807.45									17.61	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2025	809.57	809.57	1,183.59		9.07	60.41	887.96	4,284.50	4,02.59	1,578.58	2,506.51	113,137.13	11,451.30	44.71	46.42	113,137.14			23,446.99	38,572.80	43.16	52.01	35.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.57	809.57	809.57									17.60	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2026	812.20	812.20	1,183.06		9.30	60.30	887.77	4,290.62	550.48	1,550.57	3,290.54	131,232.17	15,410.61	39.88	46.61	131,232.19			28,521.51	61,852.33	45.34	53.79	37.82	0.54	0.54	0.54	0.00	0.00	0.00	0.00				812.20	808.47	808.47									17.60	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,294.73	754.18	1,353.48	3,685.43	119,724.17	16,354.46	32.49	47.11	119,724.20			35,148.67	60,902.70	45.93	54.30	38.59	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.22	808.22									17.60	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2028	812.17	812.17	1,183.19		9.36	60.10	887.58	4,292.49	556.47	1,478.52	3,380.44	114,875.84	34.18	44.80	114,875.84			35,762.21	64,097.27	43.67	51.98	36.65	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44	216.22								17.60	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2029	812.17	812.17	1,183.19		9.36	60.10	887.58	4,292.49	556.47	1,478.52	3,380.44	114,875.84	34.18	44.80	114,875.84			35,762.21	64,097.27	43.67	51.98	36.65	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44	2,510.21								17.60	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	575.93	1,468.44	3,470.08	121,852.68	45,186.01	35.12	45.34	121,852.70			26,140.49	61,916.33	44.22	52.28	37.59	0.40	0.40	0.40	0.00	0.00	0.00	0.00				821.92	820.92	820.92	10,667.50								17.60	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2031	827.36	827.36	1,183.19		7.27	60.30	887.49	4,370.05	574.29	1,520.72	3,423.62	122,926.16	40,449.20	35.91	46.08	122,926.16			26,595.29	64,591.26	44.89	52.87	37.93	0.37	0.37	0.37	0.00	0.00	0.00	0.00				827.36	826.25	826.25	36,104.27								17.60	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2032	831.22	831.22	1,183.19		6.76	60.12	887.39	4,389.82	624.00	1,521.71	3,492.11	126,072.15	39,742.36	36.10	46.33	126,072.16			29,882.21	67,458.83	45.30	51.97	39.43	0.32	0.32	0.32	0.00	0.00	0.00	0.00				831.22	827.49	827.49	188,472.14								17.63	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2033	843.73	843.73	1,183.19		5.17	59.81	887.39	4,420.26	509.24	1,607.17	3,322.33	123,838.53	35,233.43	37.27	47.74	123,838.53			22,856.26	74,824.88	46.77	53.02	41.07	0.27	0.27	0.27	0.00	0.00	0.00	0.00				843.73	840.00	840.00	447,512.33								17.59	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,420.26	509.24	1,607.17	3,322.33	123,838.53	35,233.43	37.27	47.74	123,838.53			22,856.26	74,824.88	46.77	53.02	41.07	0.27	0.27	0.27	0.00	0.00	0.00	0.00				843.73	840.00	840.00	447,512.33								17.59	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,524.78	462.17	1,639.75	3,327.20	128,947.21	35,647.45	38.76	48.80	128,947.22			20,463.12	76,685.38	47.87	53.92	42.59	0.20	0.20	0.20	0.00	0.00	0.00	0.00				861.89	858.16	858.16	615,071.02								17.60	
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2036	872.04	872.04	1,217.20		-3.60	59.54	840.63	4,560.25	251.32	441.95	4,370.08	129,917.78	-41,820.71	-9.61	49.77	129,537.78	-42,809.68		13,998.07	22,809.90	48.76	54.68	43.58	0.20	0.20	0.20	0.00	0.00	0.00	0.00				872.04	871.03	871.03	13,343.62	191,558.76		10.24	4.82	2,174.87		
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2037	862.06	862.06	1,217.20		-4.70	59.24	840.63	4,577.21	225.67	465.79	4,337.10	-37,162.55	253,487.44	-8.41	50.10	-37,154.70			10,775.61	23,780.15	49.16	54.64	44.35	0.20	0.20	0.20	0.00	0.00	0.00	0.00				862.06	878.33	863.44	45,736.04	192,033.55		10.24	4.57	2,699.01		
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2038	901.87	901.87	1,267.20		-1.17	58.80	840.63	4,629.70	251.68	530.08	4,351.30	-38,960.62	262,105.51	-7.74	51.92	-38,955.05			13,116.55	26,459.50	51.07	56.00	46.77	0.20	0.20	0.20	0.00	0.00	0.00	0.00				901.87	898.14	898.86	62,449.39	195,604.83		10.91	7.23	2,723.79		
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Core	2039	909.62	909.62	1,267.20		-4.40	58.53	868.63	4,676.65	253.57	571.00	4,359.22	-25,451.48	255,179.77	-5.62	52.61	-25,444.46			13,564.66	29,918.22	51.80	56.37	47.84	0.22	0.22	0.22	0.00	0.00	0.00	0.00				909.62	905.89	918.79	91,130.24	202,554.07		68.19	8.68	2,727.88		
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2024							0.00	3,975.20	425.19		0.00	0.00					48,533.80		70,062.68		39.39	48.40	35.45								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2025							0.00	2,178.58	402.39		0.00	0.00					64,725.80		88,172.79		43.16	52.01	35.45								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2026							0.00	1,353.48	754.18		0.00	0.00					25,754.03		60,902.70		45.34	53.79	37.82								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2027							0.00	1,353.48	754.18		0.00	0.00					25,754.03		60,902.70		45.93	54.30	38.59								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2028							0.00	1,435.94	635.30		0.00	0.00					35,752.13		63,444.43		43.67	51.98	36.65								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2029							0.00	1,478.52	556.47		0.00	0.00					40,334.96		64,097.27		43.67	51.98	36.65								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2030							0.00	1,468.44	575.93		0.00	0.00					35,775.84		61,916.33		44.22	52.28	37.59								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2031							0.00	1,520.72	574.29		0.00	0.00					37,576.62		64,591.26		44.89	52.87	37.93								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2032							0.00	1,521.71	624.00		0.00	0.00					37,576.62		67,458.84		45.30	51.97	39.43								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2033							0.00	1,616.87	537.23		0.00	0.00					49,916.67		74,254.88		46.77	53.02	41.07								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2034							0.00	1,607.17	509.24		0.00	0.00					51,968.62		74,824.88		46.77	53.02	41.07								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2035							0.00	1,639.75	442.17		0.00	0.00					56,222.26		76,685.38		47.87	53.92	42.59								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2036							0.00	441.95	251.32		0.00	0.00					13,998.07		22,809.90		48.76	54.68	43.58								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2037							0.00	465.79	225.67		0.00	0.00					13,064.53		23,780.15		49.16	54.64	44.35								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2038							0.00	490.86	217.05		0.00	0.00					15,140.86		25,775.24		50.36	55.53	45.83								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2039							0.00	530.08	251.68		0.00	0.00					13,602.95		26,459.50		51.07	56.00	46.77								0.00																
DEFY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEFY	KY Market	2040							0.00	571.00	253.57		0.00	0.00					16,353.56		29,918.22		51.80	56.37	47.84								0.00																

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,543.80	29.29				3,006.00	7.00	10,769.72	16,676,060.69	44,100.89	504.49	2.67	1,105.30	20,876.19	66,586.87	43.13		66,586.87									48.81	75,351.40			0.00	8,764.53			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,229.30	42.41				4,426.00	10.00	10,791.00	24,127,481.75	62,892.80	930.28	2.64	1,779.80	31,475.13	97,068.02	43.54	37,196.83	134,264.85									47.77	106,496.31			0.00	-27,768.54			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	3,125.10	59.46				5,724.00	10.00	10,705.41	33,526,568.38	72,877.03	1,149.16	2.21	1,658.00	45,810.48	121,494.67	38.88	76,066.69	197,561.36									48.36	151,116.05			0.00	-46,445.31			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,533.10	67.22				5,928.00	10.00	10,610.80	37,591,919.75	83,985.96	1,808.53	2.28	1,700.00	23,564.54	111,059.04	31.43		111,059.04									46.98	165,987.34			0.00	54,928.30			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,414.00	64.78				5,761.00	9.00	10,625.15	36,338,268.75	83,393.89	1,481.91	2.34	1,567.80	23,422.77	109,866.37	32.18		109,866.37	109,866.37								45.91	156,738.88			0.00	46,872.52			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,274.50	62.30				5,643.00	9.00	10,648.51	34,932,549.63	84,057.34	1,560.21	2.45	1,786.00	23,224.45	110,627.99	33.78		110,627.99	110,627.98								44.65	146,208.90			0.00	35,580.91			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	3,273.00	62.27				5,619.00	7.00	10,641.47	34,879,306.44	84,897.69	1,385.63	2.47	1,281.70	23,892.95	111,457.57	34.05		111,457.57	111,457.57								45.94	150,375.59			0.00	38,918.02			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.30	3,264.00	62.11				5,516.00	9.00	10,626.37	34,754,826.31	85,968.14	1,596.93	2.52	1,688.40	24,444.08	113,697.56	34.83		113,697.56	113,697.54								46.79	152,752.31			0.00	38,596.15			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,171.40	63.97				5,776.00	9.00	10,639.50	35,934,005.97	89,514.17	1,694.23	2.54	1,730.70	26,058.06	118,997.16	35.30		118,997.16	118,997.14								46.74	157,593.31			0.00	38,596.15			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.03	3,283.50	62.47				5,651.00	8.00	10,637.06	34,983,662.75	89,799.77	1,583.11	2.61	1,773.90	26,142.73	119,299.51	36.33		119,299.51	119,299.53								47.55	156,125.00			0.00	36,825.49			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	3,300.90	62.80				5,623.00	7.00	10,634.07	35,151,765.75	93,577.77	1,490.97	2.70	1,414.70	27,066.11	123,549.55	37.43		123,549.55	123,549.53								47.85	157,950.59			0.00	34,401.04			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.30	3,309.60	62.97				5,658.00	8.00	10,637.46	35,262,625.63	97,606.17	1,504.49	2.81	1,863.90	27,972.65	128,947.21	38.96		128,947.21	128,947.20								49.48	163,763.27			0.00	34,816.06			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	New 1x1 CC w/ CCS DEK DF PTC	2024	1.00	64.80	46.37	88.98	478.57	88.98				7,800.00	2.00	10,044.79	4,807,184.00	23,915.16	-34,293.72	-2.16		791.66	-9,586.90	-20.03		-9,586.90	-9,586.42								49.31	23,596.81	0.48		0.00	33,184.19			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2025	1.00	64.80	46.37	88.56	474.94	88.56				7,752.00	1.00	10,030.98	4,764,101.50	25,022.62	-34,658.00	-2.02		805.29	-8,830.06	-18.59		-8,830.06	-8,829.61								49.59	23,552.54	0.47		0.00	32,383.10			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2026	1.00	64.80	46.37	88.40	474.08	88.40				7,752.00	1.00	10,013.85	4,747,401.63	25,847.09	-35,221.57	-1.97		823.84	-8,550.54	-18.04		-8,550.54	-8,550.06								50.71	24,041.56	0.47		0.00	32,590.56			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2027	1.00	64.80	46.37	89.02	477.41	89.02				7,797.57	0.68	10,024.63	4,785,873.19	26,646.71	-36,215.61	-2.00		850.46	-8,718.44	-18.26		-8,718.44	-8,717.95								51.60	24,634.99	0.48		0.00	33,353.91			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	1.00	64.80	46.37	88.94	478.40	88.94				7,800.00	1.00	10,043.32	4,803,760.14	28,737.03	-37,079.32	-1.74		873.53	-7,478.76	-15.63		-7,478.76	-7,478.28								52.05	24,902.88	0.48		0.00	32,382.15			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2036	1.00	525.85	376.83	88.97	3,886.47	88.97				7,800.00	2.00	7,398.31	28,757,503.88	142,606.88	-205,146.47	-2.07		29,305.78	-33,233.81	-8.55	32,559.56	49,325.75	-33,223.32								49.30	191,821.46	2.22		0.00	142,297.94			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2037	1.00	525.85	376.83	88.50	3,857.02	88.50				7,752.00	1.00	7,394.76	28,531,389.75	144,410.64	-211,240.84	-2.04		28,810.79	-28,238.44	-7.35	84,623.55	84,385.09	-28,175.14								49.59	189,540.34	2.20		0.00	139,592.33			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2038	1.00	525.85	376.83	88.40	3,837.14	88.40				7,752.00	1.00	7,394.76	28,376,154.13	149,210.54	-211,240.84	-2.04		28,810.79	-28,238.44	-7.35	86,739.14	86,501.69	-28,175.14								50.60	191,240.07	2.20		0.00	139,592.33			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	1.00	525.85	376.83	89.02	3,897.14	89.02				7,797.57	0.68	7,396.00	28,676,134.13	159,271.10	-219,896.56	-2.01		31,483.29	-26,242.18	-6.73	88,997.81	62,665.43	-26,237.20								51.60	200,050.91	2.21		0.00	139,019.80			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	1.00	525.85	376.83	88.94	3,885.07	88.94				7,800.00	1.00	7,397.91	28,743,497.13	171,550.18	-221,859.66	-1.75		32,336.41	-17,973.73	-4.61	91,130.30	73,157.57	-17,966.25								52.05	202,126.15	2.22		0.00	139,019.80			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2024	1.00	94.00	57.92	81.05	381.33	23.64			12.00	2,337.00	31.00	15,216.08	2,759,808.80	6,091.25	137.48	2.26	182.90	0.00	6,411.64	35.36		6,411.64	6,411.64								46.43	8,419.53			0.00	2,007.89			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2025	1.00	94.00	57.92	74.17	49.14	6.43				554.00	30.00	14,764.14	726,125.04	2,654.90	34.50	3.70	183.00	0.00	2,872.40	58.45		2,872.40	2,872.40								62.95	3,093.52			0.00	221.13			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2026	1.00	94.00	57.92	89.84	24.64	3.22			1.00	278.00	14.00	14,767.51	364,091.58	1,517.21	17.05	4.21	86.80	0.00	1,621.06	65.80		1,621.06	1,621.06								72.34	1,782.08			0.00	161.02			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2027	1.00	94.00	57.92	89.49	20.79	2.72			1.00	238.00	13.00	14,815.61	308,357.78	1,257.32	12.79	4.12	83.20	0.00	1,353.33	65.08		1,353.33	1,353.33								69.63	1,447.88			0.00	94.57			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2028	1.00	94.00	57.92	89.72	10.89	1.42			1.00	128.00	8.00	14,882.56	162,212.27	653.50	12.11	4.10	52.80	0.00	718.41	65.98		718.41	718.41								70.59	768.65			0.00	50.24			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2029	1.00	94.00	57.92	89.71	9.76	1.28			1.00	114.00	7.00	14,864.47	145,286.66	569.48	9.79	3.99	46.90	0.00	626.17	64.13		626.17	626.17								68.68	670.61			0.00	44.45			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2030	1.00	94.00	57.92	84.81	277.00	14.00			1.00	277.00	14.00	14,826.74	357,218.17	1,293.37	18.41	3.67	96.60	0.00	1,408.38	58.50		1,408.38	1,408.38								61.59	1,482.60			0.00	93.47			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2031	1.00	94.00	57.92	85.86	23.37	3.06			1.00	268.00	13.00	14,868.77	346,324.36	1,415.38	22.08	4.15	90.40	0.00	1,529.75	65.46		1,529.75	1,529.75								69.46	1,623.23			0.00	93.47			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2032	1.00	94.00	57.92	85.90	17.91	2.33			1.00	209.00	6.00	14,875.72	266,514.42	1,172.75	12.40	4.45	43.20	0.00	1,228.35	68.59		1,228.35	1,228.35								71.72	1,284.30			0.00	55.95			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2033	1.00	94.00	57.92	85.26	3.29	0.43				35.00	2.00	14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54		251.81	251.81								77.45	254.83			0.00	3.01			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2034	1.00	94.00	57.92	85.05																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2035	1.00	94.00	57.92	85.01																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2036	1.00	94.00	57.92	85.61																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2037	1.00	94.00	57.92	85.86																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2038	1.00	94.00	57.92	85.86																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2039	1.00	94.00	57.92	85.31																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 1	2040	1.00	94.00	57.92	85.76																		0.00																		
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2024	1.00	94.00	67.62	87.93	191.39	24.72			14.00	2,360.00	33.00	15,069.63	2,884,921.67	5,564.22	107.86	1.97	194.70	0.00	5,866.78	30.65		5,866.78	5,866.78								41.92	8,023.63			0.00	2,156.84			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2025	1.00	94.00	67.62	73.28	44.76	5.80			1.00	506.00	28.00	14,772.21	661,779.92	2,403.05	36.37	3.69	170.80	0.00	2,610.22	58.32		2,610.22	2,610.22								63.14	2,826.21			0.00	215.99			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2026	1.00	94.00	67.62	87.59	25.77	3.34				254.00	15.00	14,759.26	380,675.85	1,577.50	19.76	4.20	93.00	0.00	1,690.26	65.59		1,690.26	1,690.26								72.07	1,855.94			0.00	165.68			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2027	1.00	94.00	67.62	87.94	22.53	2.92				254.00	14.00	14,768.24	333,037.31	1,340.60	15.23	4.07	89.60	0.00	1,445.42	64.15		1,445.42	1,445.42								68.52	1,543.86			0.00	98.43			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2028	1.00	94.00	67.62	88.15	11.01	1.42			1.00	128.00	8.00	14,820.24	163,713.67	658.88	12.36	4.10	52.80	0.00	724.03	65.74		724.03	724.03								70.58	777.30			0.00	53.27			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2029	1.00	94.00	67.62	85.21	12.20	1.58				140.00	8.00	14,812.31	180,922.64	683.03	12.25	3.84	53.60	0.00	748.88	61.37		748.88	748.88								65.27	796.48			0.00	47.60			
DEKY 2024 IRP E82 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodside 2	2030	1.00	94.00	67.62	84.52	33.81	4.38			1.00	360.00	20.00	14,804.32	500,992.46	1,782.33	26.49	3.61	138.00	0.00	1,946.82	57.58		1,946.82	1,946.82								68.78	2,031.63			0.00	84.81			
DEKY 2024 IRP

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,711,797.38	205.30	2,217.64		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	659.42	0.08	0.85	501.89	0.33
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,083.94	0.13	1.40	2.60	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,476,685.29	205.30	2,221.94		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	932.49	0.08	0.84	916.52	0.41
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,568.29	0.13	1.41	3.76	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,441,501.94	205.30	2,202.49		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,323.23	0.08	0.85	1,143.93	0.37
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,179.23	0.13	1.39	5.23	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,858,810.75	205.30	2,184.38		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,447.04	0.08	0.82	1,802.68	0.51
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,443.48	0.13	1.38	5.86	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,730,123.54	205.30	2,185.19		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,424.95	0.08	0.83	1,476.25	0.43
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,361.99	0.13	1.38	5.67	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,585,826.36	205.30	2,190.15		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,354.11	0.08	0.83	1,554.76	0.47
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,270.62	0.13	1.39	5.45	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,580,361.18	205.30	2,187.82		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,369.31	0.08	0.84	1,380.00	0.42
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	2,267.16	0.13	1.39	5.44	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,567,583.24	205.30	2,185.62		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,346.24	0.08	0.82	1,591.51	0.49
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	2,259.06	0.13	1.38	5.42	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	3,688,625.80	205.30	2,188.19		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,386.19	0.08	0.82	1,688.63	0.50
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	2,335.71	0.13	1.39	5.61	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	3,591,073.18	205.30	2,187.34		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,358.95	0.08	0.83	1,577.56	0.48
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	2,273.94	0.13	1.39	5.55	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	3,608,329.09	205.30	2,186.27		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,377.72	0.08	0.83	1,485.31	0.45
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	2,284.87	0.13	1.38	5.67	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	3,619,708.86	205.30	2,187.40		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	Hg	0.01	0.00	0.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	1,383.09	0.08	0.84	1,498.70	0.45
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	2,292.07	0.13	1.39	5.78	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2036	CO2	288,430.99	120.00	1,205.37	-34,316.63	-71.71
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2036	NOx	19.23	0.01	0.08	23.04	0.05
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2037	CO2	285,846.07	120.00	1,203.72	-34,681.86	-73.02
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2037	NOx	19.06	0.01	0.08	23.86	0.05
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2038	CO2	284,844.04	120.00	1,201.66	-35,246.89	-74.35
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2038	NOx	18.99	0.01	0.08	25.34	0.05
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2039	CO2	287,152.34	120.00	1,202.96	-36,241.32	-75.91
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2039	NOx	19.14	0.01	0.08	25.61	0.05
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	CO2	288,226.08	120.00	1,204.96	-37,104.61	-77.56
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK DF PTC	2040	NOx	19.22	0.01	0.08	25.28	0.05
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2036	CO2	1,725,449.99	120.00	887.93	-205,289.33	-52.82
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2036	NOx	115.03	0.01	0.06	143.10	0.04
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2037	CO2	1,711,883.28	120.00	887.67	-207,703.55	-53.85
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2037	NOx	114.13	0.01	0.06	148.21	0.04
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2038	CO2	1,708,391.38	120.00	887.44	-211,397.49	-54.91
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2038	NOx	113.89	0.01	0.06	157.40	0.04
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	CO2	1,720,602.82	120.00	887.56	-217,154.72	-56.01

DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2039	NOx	114.71	0.01	0.06	159.05	0.04
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	CO2	1,724,609.63	120.00	887.81	-222,016.62	-57.15
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC w/ CCS DEK PTC	2040	NOx	114.97	0.01	0.06	157.01	0.04
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	161,448.76	117.00	1,780.70		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	164.21	0.12	1.81	137.49	0.76
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,478.31	117.00	1,728.90		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.20	0.12	1.76	34.50	0.70
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	18,038.93	117.00	1,734.96		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	18.35	0.12	1.76	12.79	0.62
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	20,897.26	117.00	1,736.16		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	21.25	0.12	1.77	18.41	0.76
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	168,767.87	117.00	1,763.57		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	171.65	0.12	1.79	107.87	0.56
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	38,713.89	117.00	1,729.89		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	39.38	0.12	1.76	36.37	0.81
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,269.53	117.00	1,728.26		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.65	0.12	1.76	19.76	0.77
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	19,482.68	117.00	1,729.41		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	19.82	0.12	1.76	15.23	0.68
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	29,308.05	117.00	1,733.56		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	29.81	0.12	1.76	26.49	0.78
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	20,210.83	117.00	1,733.35		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	20.56	0.12	1.76	25.09	1.08
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	165,651.76	117.00	1,790.35		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	168.48	0.12	1.82	174.57	0.94
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	26,667.42	117.00	1,734.01		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	27.12	0.12	1.76	28.65	0.93
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	5,589.04	117.00	1,750.95		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	5.68	0.12	1.78	12.04	1.89
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	21,189.30	117.00	1,727.76		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	21.55	0.12	1.76	13.65	0.56
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	20,420.44	117.00	1,730.84		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	20.77	0.12	1.76	22.52	0.95
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	11,170.39	117.00	1,729.75		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	11.36	0.12	1.76	0.02	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	846.31	117.00	1,763.15		

DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	185,973.34	117.00	1,742.34		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	189.15	0.12	1.77	91.04	0.43
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,197.04	117.00	1,733.38		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	34.78	0.12	1.76	34.48	0.87
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	26,440.52	117.00	1,733.66		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	26.89	0.12	1.76	18.42	0.60
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	175,102.62	117.00	1,761.78		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	178.10	0.12	1.79	170.32	0.86
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	41,112.70	117.00	1,736.00		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	41.82	0.12	1.77	36.38	0.77
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	28,374.38	117.00	1,732.52		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	28.86	0.12	1.76	26.29	0.80
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	185,526.69	117.00	1,758.24		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	188.70	0.12	1.79	124.38	0.59
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	42,989.11	117.00	1,732.15		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	43.72	0.12	1.76	36.38	0.73
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	7,064.91	117.00	1,745.72		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	7.19	0.12	1.78	12.35	1.53
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	29,308.05	117.00	1,733.56		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	29.81	0.12	1.76	26.49	0.78
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	20,050.10	117.00	1,733.54		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	20.39	0.12	1.76	25.09	1.08
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP EB2 Retire by '36 - New Settings PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2036	DEKY	KY Core	Proj New 1	1.00	1.00	525.85	1,921,393.75
DEKY 2024	0	2036	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	218,137.72
DEKY 2024	0	2036	DEKY	KY Core	Proj New E	1.00	1.00	50.00	122,460.55
DEKY 2024	0	2039	DEKY	KY Core	Proj New E	1.00	2.00	100.00	124,859.57

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After ED (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2024	807.65	807.65	1,183.59		9.95	60.45	888.04	4,288.50	547.87	2,098.93	2,737.44	102,090.81	25,215.50	37.29	40.70	102,090.82			36,730.57	73,975.65	39.39	48.48	31.45	0.88	0.88	0.88	0.00	0.00	0.00	0.00		807.65	803.47	803.47											17.63
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2025	809.57	809.57	1,183.00		9.67	60.41	887.86	4,284.00	413.29	2,380.31	2,316.98	105,319.21	13,430.60	45.46	44.42	105,319.21			22,630.44	94,196.85	43.56	52.01	35.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00		809.57	808.57	808.57											17.60
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2026	812.35	812.35	1,183.15		9.33	60.34	887.67	4,284.15	717.39	1,340.56	3,861.26	118,874.43	17,113.94	32.47	47.11	118,874.45			31,993.12	93,233.84	43.93	54.30	38.59	0.59	0.59	0.59	0.00	0.00	0.00	0.00		812.35	808.22	808.22											17.60
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2027	812.09	812.09	1,183.19		9.30	60.15	887.58	4,290.55	666.55	1,438.70	3,518.40	115,168.06	48,169.94	32.73	46.00	115,168.09			29,120.86	63,160.68	44.78	53.38	37.33	0.50	0.50	0.50	0.00	0.00	0.00	0.00		812.09	808.36	808.36											17.63
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2028	812.17	812.17	1,183.19		9.28	60.19	887.58	4,282.49	594.58	1,562.43	3,304.64	112,610.66	38,476.66	34.08	44.80	112,610.67			25,425.40	66,201.64	43.67	51.98	36.43	0.47	0.47	0.47	0.00	0.00	0.00	0.00		812.17	808.44	808.44											17.60
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2029	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	630.60	1,582.81	3,410.38	121,022.43	41,660.94	35.49	45.34	121,022.44			26,577.79	64,768.95	44.22	52.28	37.19	0.40	0.40	0.40	0.00	0.00	0.00	0.00		821.92	820.92	820.92											17.60
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2030	827.36	827.36	1,183.19		7.27	60.30	887.49	4,370.05	580.55	1,541.87	3,408.73	123,636.91	38,264.98	36.27	46.08	123,636.93			26,263.32	65,732.75	44.89	52.87	37.93	0.37	0.37	0.37	0.00	0.00	0.00	0.00		827.36	826.35	826.35	1,882.77										17.60
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2032	831.22	831.22	1,183.19		6.76	60.12	887.39	4,389.82	599.26	1,542.20	3,446.88	125,018.74	39,056.40	36.27	46.10	125,018.78			27,937.25	67,253.24	45.30	53.97	39.43	0.32	0.32	0.32	0.00	0.00	0.00	0.00		831.22	827.49	827.49	7,410.45										17.63
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2033	837.09	837.09	1,183.19		6.32	60.09	887.39	4,419.26	618.31	1,542.20	3,476.06	126,055.67	39,626.63	36.27	46.13	126,055.69			28,611.32	68,772.95	45.72	54.57	40.93	0.27	0.27	0.27	0.00	0.00	0.00	0.00		837.09	833.61	833.61	7,410.45										17.59
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,450.26	508.68	1,608.61	3,320.33	126,055.67	33,428.63	37.96	47.74	126,055.74			22,812.71	74,258.80	46.77	53.02	41.37	0.27	0.27	0.27	0.00	0.00	0.00	0.00		843.73	840.00	840.00	90,823.18										17.59
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,524.78	436.38	1,706.76	3,254.40	127,362.79	37,300.34	39.10	48.80	127,362.80			20,499.18	76,762.97	47.87	53.92	42.59	0.20	0.20	0.20	0.00	0.00	0.00	0.00		861.89	858.16	858.16	218,014.57										17.60
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2036	872.04	872.04	1,183.19		1.76	59.54	887.39	4,565.76	436.92	1,755.45	3,296.23	130,666.49	34,886.17	40.55	49.77	133,666.52			20,778.96	79,209.35	48.76	54.68	43.58	0.20	0.20	0.20	0.00	0.00	0.00	0.00		872.04	871.03	871.03	340,131.72										17.63
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2037	882.06	882.06	1,183.19		0.60	59.24	887.39	4,577.21	397.47	1,804.50	3,169.77	134,035.12	32,585.70	42.29	50.10	134,035.12			19,535.23	82,217.90	49.56	54.64	44.35	0.20	0.20	0.20	0.00	0.00	0.00	0.00		882.06	878.33	878.33	438,537.94										17.57
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2038	891.64	891.64	1,183.19		-0.48	58.93	887.39	4,602.85	397.47	1,853.88	3,148.44	139,525.59	30,966.96	42.94	51.26	139,525.64			19,535.23	84,917.36	50.35	55.31	45.12	0.19	0.19	0.19	0.00	0.00	0.00	0.00		891.64	887.95	887.95	411,780.69										17.46
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2039	901.87	901.87	1,240.45		-1.24	58.68	890.72	4,676.45	430.42	1,853.88	3,176.42	142,928.39	30,966.96	43.94	52.61	147,294.37			24,818.44	17,967.28	51.07	56.00	46.77	0.20	0.20	0.20	0.00	0.00	0.00	0.00		901.87	898.16	898.16	208,831.35	118,633.00		5.13	1.36	1,871.46	
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Core	2040	909.62	909.62	1,240.45		-2.08	58.53	890.72	4,679.45	430.42	594.19	4,502.88	142,017.37	52,330.24	42.64	52.61	153,028.11			22,510.93	24,430.42	51.80	56.37	47.84	0.22	0.22	0.22	0.00	0.00	0.00	0.00		909.62	905.89	905.89	224,941.21	121,190.73		7.46	1.54	1,765.80	
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2024							0.00	2,088.93	547.87	2,098.93	547.87	0.00	0.00				47,255.05		73,975.65	73,975.65	39.39	48.48	31.45																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2025							0.00	2,380.31	413.29	2,380.31	0.00	0.00	0.00				71,566.41		94,196.86	22,630.45	43.56	52.01	35.45																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2026							0.00	1,707.22	548.80	1,707.22	0.00	0.00	0.00				43,556.76		71,836.52	28,279.76	45.34	53.79	37.92																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2027							0.00	1,340.56	717.09	1,340.56	0.00	0.00	0.00				25,842.01		59,235.84	33,393.83	45.93	54.30	38.59																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2028							0.00	1,562.43	630.60	1,562.43	0.00	0.00	0.00				40,775.24		66,201.64	25,426.40	43.67	51.98	36.43																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2029							0.00	1,582.81	584.58	1,582.81	0.00	0.00	0.00				40,775.24		66,201.64	25,426.40	43.67	51.98	36.43																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2030							0.00	1,582.81	630.60	1,582.81	0.00	0.00	0.00				35,131.17		64,708.97	29,577.80	44.22	52.28	37.19																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2031							0.00	1,541.87	580.55	1,541.87	0.00	0.00	0.00				39,469.43		65,732.76	26,263.33	44.89	52.87	37.93																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2032							0.00	1,542.20	599.26	1,542.20	0.00	0.00	0.00				39,315.99		67,253.25	27,937.26	45.30	53.97	39.43																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2033							0.00	1,542.20	618.31	1,542.20	0.00	0.00	0.00				52,546.04		68,772.95	16,226.91	45.72	54.57	40.93																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2034							0.00	1,608.61	508.68	1,608.61	0.00	0.00	0.00				52,546.08		74,258.79	21,712.71	46.77	53.02	41.37																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2035							0.00	1,706.76	436.38	1,706.76	0.00	0.00	0.00				56,253.79		76,762.99	20,499.20	47.87	53.92	42.59																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2036							0.00	1,755.45	436.92	1,755.45	0.00	0.00	0.00				59,209.54		79,209.34	20,778.95	48.76	54.68	43.58																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2037							0.00	1,804.50	397.47	1,804.50	0.00	0.00	0.00				62,682.67		82,217.89	19,535.22	49.56	54.64	44.35																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2038							0.00	1,758.88	404.50	1,758.88	0.00	0.00	0.00				61,354.43		81,797.79	20,443.35	50.36	55.53	45.83																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2039							0.00	425.62	480.86	425.62	0.00	0.00	0.00				6,859.05		17,967.28	24,826.45	51.07	56.00	46.77																							
DEKY 2024 IRP Core E82 DFO '30 - N5 CC - PC	0	DEKY	KY Market	2040							0.00	594.19	420.42	594.19	0.00	0.00	0.00				1,919.49		24,430.42	22,510.93	51.80	56.37	47.84																							

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profit ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,489.90	28.27				3,804.00	5.00	10,979.66	15,194,146.20	42,908.61	203.62	2.64	789.50	20,354.03	64,255.77	43.19		64,255.77	64,255.76								49.99	74,476.09			0.00	10,120.32			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,043.80	38.89				4,653.00	10.00	11,018.89	22,591,314.38	58,975.23	297.24	2.65	1,618.00	29,168.62	90,559.08	44.31	32,574.08	123,133.16	90,559.06								49.90	101,987.42			0.00	-21,145.75			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	3,938.80	55.91				5,643.00	9.00	11,782.03	31,750,208.94	68,988.05	985.80	2.20	1,492.20	43,219.53	114,685.57	39.02	76,066.69	190,752.26	114,685.58								49.21	194,614.37			0.00	-46,137.89			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,511.40	66.81				5,904.00	9.00	10,623.35	37,366,836.63	83,504.95	1,700.00	2.28	1,700.00	23,626.66	110,331.62	31.42		110,331.62	110,331.63								47.28	166,024.58			0.00	55,692.96			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,435.90	65.19				5,774.00	10.00	10,622.76	36,509,853.50	84,110.71	1,431.54	2.34	1,742.00	23,539.46	110,893.71	32.28		110,893.71	110,893.72								45.96	157,924.18			0.00	47,030.47			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,218.70	61.24				5,612.00	8.00	10,664.67	34,383,261.00	82,651.60	1,437.33	2.45	1,428.80	22,855.08	108,372.81	33.67		108,372.81	108,372.81								45.29	145,766.72			0.00	37,393.90			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2030	1.00	600.00	498.96	66.03	3,204.10	60.96				5,541.00	8.00	10,761.78	34,538,709.25	84,244.17	1,062.44	2.47	1,464.80	23,413.90	110,185.31	34.39	113,334.69	223,520.01	110,185.31								46.99	150,559.26			0.00	-72,960.75			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2031	1.00	600.00	498.96	66.30	3,249.80	61.83				5,668.00	9.00	10,771.69	35,069,824.00	86,733.45	1,601.74	2.52	1,688.40	24,441.06	114,464.65	35.22	17,228.00	131,692.65	114,464.66								46.57	151,347.65			0.00	19,655.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,330.20	63.19				5,787.00	8.00	10,767.41	35,914,514.03	89,379.28	1,538.03	2.53	1,538.40	25,790.53	118,246.24	35.51	17,228.00	135,474.23	118,246.25								46.90	156,183.56			0.00	20,709.33			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2033	1.00	600.00	498.96	66.03	3,294.90	62.69				5,709.00	7.00	10,764.02	35,516,133.69	91,018.19	1,411.71	2.60	1,379.70	26,283.75	120,113.35	36.45	17,228.00	137,341.35	120,113.33								47.63	156,922.26			0.00	19,580.91			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	3,298.90	62.76				5,739.00	9.00	10,768.71	35,588,892.03	94,966.51	1,651.34	2.71	2,021.00	27,128.04	125,766.89	38.12	17,228.00	142,994.89	125,766.84								48.01	158,373.13			0.00	-73,009.06			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2035	1.00	600.00	498.96	66.30	3,236.80	61.58				5,583.00	9.00	10,758.77	34,887,963.75	96,698.97	1,309.34	2.81	1,863.90	27,390.58	127,262.79	39.32	109,478.00	236,740.79	127,262.79								50.58	163,731.73			0.00	-73,009.06			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2036	1.00	600.00	498.96	66.12	3,278.60	62.21				5,631.00	9.00	10,753.83	35,321,508.19	101,650.94	1,532.46	2.90	1,910.70	28,572.40	133,666.49	40.77	17,228.00	150,894.49	133,666.50								51.15	167,708.20			0.00	18,813.71			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2037	1.00	600.00	498.96	66.03	3,152.20	59.97				5,577.00	10.00	10,788.56	34,078,786.44	102,018.04	1,417.16	3.04	2,176.00	28,423.93	134,035.12	42.52	17,228.00	151,263.12	134,035.10								52.59	165,789.71			0.00	14,526.59			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	3,231.40	61.48				5,624.00	8.00	10,760.22	34,856,523.81	106,222.29	1,567.29	3.09	1,784.00	29,952.02	139,525.59	43.18	17,228.00	156,753.59	139,525.62								53.77	173,736.97			0.00	16,983.38			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2024	1.00			14.03	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2025	1.00			14.06	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2026	1.00			14.09	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2027	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2028	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2029	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2030	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2031	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2032	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2033	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2034	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2035	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2036	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2037	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2038	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2039	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2040	1.00			14.12	0.11	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2024	1.00			9.63	0.07	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2025	1.00			9.70	0.07	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2026	1.00			9.76	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2027	1.00			9.83	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2028	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2029	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2030	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2031	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2032	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2033	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2034	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2035	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2036	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2037	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2038	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2039	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2040	1.00			9.89	0.08	100.00																	0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combined Cycle	New 1x1 CC DEK	2039	1.00	599.10	455.91	91.08	4,446.93	86.60			26.00	7,597.01	20.78	6,391.57	28,446,039.00	158,216.44	155.64	5.56		17,625.97	175,998.04	39.58	56,531.04	232,529.08	175,999.68		1.19		1,633.81				52.44	233,213.13		1.64	0.00	685.69			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combined Cycle	New 1x1 CC DEK	2040	1.00	599.10	455.91	91.37	4,315.64	83.81			38.00	7,384.92	28.02	6,392.25	27,644,926.38	164,999.67	158.91	5.97		17,533.23	182,691.85	42.33	57,944.31	240,636.13	182,693.41		1.31		1,578.85				53.89	232,552.96	1.58		0.00	-8,081.59			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combined Cycle	New 1x1 CC DEK DF	2030	1.00	64.80	46.37	91.15	220.48	41.11				3,712.76	462.75	8,865.44	1,954,669.38	10,862.73	8.40	5.56	425.50	11,296.63	12,294.61	55.74		11,296.63	11,296.85		3.93	1.36	225.11				59.82	13,190.24	10.35		0.00	1,903.97			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combined Cycle	New 1x1 CC DEK DF	2040	1.00	64.80	46.37	91.37	169.68	31.55				2,915.88	457.04	8,867.60	1,504,678.69	8,983.09	6.76	5.97	335.65	9,325.50	9,325.50	54.96		9,325.50	9,325.68		6.16	1.54	169.39				63.10	10,706.64	19.70		0.00	1,394.84			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2024	1.00	94.00	57.92	80.70	166.37	25.60			17.00	2,538.00	37.00	15,221.38	2,989,746.46	6,553.50	173.11	2.25	218.30	0.00	6,944.90	35.37		6,944.90	6,944.90								46.19	9,070.88			0.00	2,125.98			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2025	1.00	94.00	57.92	74.36	49.70	8.50				560.00	29.00	14,762.44	734,346.59	2,684.84	50.70	2.40	376.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.50			0.00	224.26			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2026	1.00	94.00	57.92	89.94	24.64	3.22				560.00	14.00	14,767.51	364,091.58	1,517.21	17.05	2.71	86.80	0.00	1,621.06	65.80		1,621.06	1,621.06								72.34	1,782.08			0.00	161.02			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2027	1.00	94.00	57.92	89.99	22.09	2.89				251.00	14.00	14,793.49	327,126.46	1,319.57	12.80	4.07	89.60	0.00	1,421.97	64.36		1,421.97	1,421.97								68.70	1,517.75			0.00	95.78			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2028	1.00	94.00	57.92	90.02	10.89	1.42			1.00	128.00	8.00	14,882.56	162,212.27	653.50	12.11	4.10	52.80	0.00	718.41	65.98		718.41	718.41								70.59	768.65			0.00	50.24			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2029	1.00	94.00	57.92	86.01	9.76	1.28			1.00	156.00	7.00	14,864.47	145,286.66	569.48	9.79	3.99	46.90	0.00	626.17	64.13		626.17	626.17								68.68	670.61			0.00	44.45			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2030	1.00	94.00	57.92	85.16	26.56	3.47				299.00	12.00	14,767.89	392,442.62	1,394.79	13.38	3.59	82.80	0.00	1,490.96	56.14		1,490.96	1,490.96								58.72	1,559.58			0.00	68.41			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2031	1.00	94.00	57.92	86.21	23.84	3.12				279.00	12.00	14,804.94	353,172.17	1,446.62	12.08	4.16	85.20	0.00	1,553.90	65.19		1,553.90	1,553.90								69.31	1,652.28			0.00	98.38			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2032	1.00	94.00	57.92	86.00	17.91	2.33			1.00	216.00	6.00	14,875.72	266,514.42	1,172.75	12.40	4.45	43.20	0.00	1,228.35	68.59		1,228.35	1,228.35								71.72	1,284.30			0.00	55.95			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2033	1.00	94.00	57.92	85.71	3.29	0.43				35.00	2.00	14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54		251.81	251.81								77.45	254.83			0.00	3.01			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2034	1.00	94.00	57.92	84.81																			0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2035	1.00	94.00	57.92	85.35																			0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2036	1.00	94.00	57.92	85.90																			0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2037	1.00	94.00	57.92	85.71																			0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2038	1.00	94.00	57.92	85.35																			0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2039	1.00	94.00	57.92	85.71																			0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 1	2040	1.00	94.00	57.92	85.90																			0.00													0.00	0.00			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2024	1.00	94.00	67.62	87.76	204.03	26.35			19.00	2,528.00	38.00	15,085.21	3,078,608.80	5,911.89	121.70	1.96	224.20	0.00	6,257.79	30.67		6,257.79	6,257.79								41.42	8,450.52			0.00	2,192.73			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2025	1.00	94.00	67.62	72.51	39.54	5.12				449.00	26.00	14,782.47	585,058.64	2,113.57	36.36	3.67	158.60	0.00	2,308.53	58.38		2,308.53	2,308.53								63.34	2,504.70			0.00	196.17			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2026	1.00	94.00	67.62	87.89	24.89	3.22				279.00	14.00	14,749.06	367,412.84	1,531.76	17.59	4.22	86.80	0.00	1,636.15	65.73		1,636.15	1,636.15								72.32	1,800.13			0.00	163.97			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2027	1.00	94.00	67.62	87.59	23.10	2.99				262.00	15.00	14,787.39	341,977.55	1,370.25	15.23	4.05	96.00	0.00	1,481.48	64.12		1,481.48	1,481.48								68.43	1,581.15			0.00	99.67			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2028	1.00	94.00	67.62	87.50	11.01	1.42			1.00	128.00	8.00	14,850.24	163,713.67	658.88	12.36	4.10	52.80	0.00	724.03	65.74		724.03	724.03								70.58	777.30			0.00	53.27			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2029	1.00	94.00	67.62	84.79	11.01	1.42			1.00	128.00	8.00	14,812.31	180,922.64	683.03	12.25	3.84	53.60	0.00	748.88	61.37		748.88	748.88								65.27	795.48			0.00	54.46			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2030	1.00	94.00	67.62	84.69	11.01	1.42			1.00	128.00	8.00	14,850.24	163,713.67	658.88	12.36	4.10	52.80	0.00	724.03	65.74		724.03	724.03								70.58	777.30			0.00	53.27			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2031	1.00	94.00	67.62	84.70	18.12	2.34			1.00	216.00	6.00	14,856.38	269,258.19	1,183.45	12.85	4.44	43.20	0.00	1,239.49	68.42		1,239.49	1,239.49								71.64	1,297.84			0.00	58.34			
DEKY 2024 IRP Core E82 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas Old Combination Turbine	Woodstake 2	2032	1.00	94.00	67.62	84.96	3.29	0.43				35.00

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,679,209.87	204.85	2,254.12		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	651.12	0.08	0.87	301.06	0.20
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,065.62	0.13	1.43	2.56	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,311,720.39	204.65	2,262.18		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	859.16	0.08	0.84	793.71	0.39
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,468.45	0.13	1.44	3.52	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,252,590.37	204.89	2,213.55		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,250.34	0.08	0.85	980.84	0.33
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,063.76	0.13	1.40	4.95	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,829,137.58	204.95	2,180.97		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,446.99	0.08	0.82	1,694.18	0.48
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,428.85	0.13	1.38	5.83	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,746,597.29	204.90	2,180.85		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,436.91	0.08	0.84	1,426.84	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,377.04	0.13	1.38	5.70	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,523,603.11	204.96	2,189.46		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,339.79	0.08	0.83	1,431.97	0.44
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,234.91	0.13	1.39	5.36	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,539,557.85	204.96	2,209.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,366.72	0.08	0.85	1,062.45	0.33
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,593,347.21	204.93	2,211.43		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,338.55	0.08	0.82	1,601.74	0.49
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	3,680,784.15	204.97	2,210.55		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,381.06	0.08	0.83	1,538.04	0.46
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	3,640,620.52	205.01	2,209.85		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,378.95	0.08	0.84	1,411.71	0.43
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	3,646,629.45	204.93	2,210.82		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,362.30	0.08	0.83	1,651.35	0.50
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	3,574,679.20	204.92	2,208.77		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	1,366.07	0.08	0.84	1,309.34	0.40
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	3,619,182.27	204.93	2,207.76		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	1,368.62	0.08	0.83	1,532.45	0.47
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	3,490,887.46	204.87	2,214.89		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	1,322.91	0.08	0.84	1,417.15	0.45
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	3,572,181.70	204.96	2,210.92		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	1,349.25	0.08	0.84	1,567.29	0.49
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	1,707,962.55	120.00	768.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	115.62	0.01	0.05	155.64	0.03
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	1,658,695.80	120.00	768.69		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	112.21	0.01	0.05	158.91	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	117,280.16	120.00	1,063.85		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	5.73	0.01	0.05	8.40	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	90,280.71	120.00	1,064.11		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	4.41	0.01	0.05	6.76	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	174,900.11	117.00	1,781.36		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	177.89	0.12	1.81	173.11	0.88
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	9.65	0.12	1.77	12.11	1.11

DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	22,957.90	117.00	1,728.95		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	23.35	0.12	1.76	13.38	0.50
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	20,660.57	117.00	1,733.41		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	21.01	0.12	1.76	22.08	0.93
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	180,098.54	117.00	1,765.43		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	183.18	0.12	1.80	121.70	0.60
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	34,225.99	117.00	1,731.16		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	34.81	0.12	1.76	36.36	0.92
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	21,493.65	117.00	1,727.02		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	21.86	0.12	1.76	17.59	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	29,143.39	117.00	1,733.75		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	29.64	0.12	1.76	26.64	0.79
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	165,311.66	117.00	1,739.28		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	168.14	0.12	1.77	134.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	29,651.02	117.00	1,733.35		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	30.16	0.12	1.76	24.52	0.72
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	20,761.16	117.00	1,730.82		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	21.12	0.12	1.76	19.76	0.82
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	16,227.27	117.00	1,729.89		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	16.50	0.12	1.76	15.22	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	8,730.94	117.00	1,736.98		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	8.88	0.12	1.77	9.99	0.99
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	27,325.91	117.00	1,730.20		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	27.79	0.12	1.76	21.55	0.68
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	18,040.98	117.00	1,736.21		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	18.35	0.12	1.77	25.08	1.21
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	9,143.48	117.00	1,745.11		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	9.30	0.12	1.77	12.83	1.22
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	188,525.47	117.00	1,746.17		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	191.75	0.12	1.78	91.95	0.43
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,197.04	117.00	1,733.38		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	34.78	0.12	1.76	34.48	0.87
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	19,136.89	117.00	1,732.39		

DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	25,560.88	117.00	1,731.47		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	26.00	0.12	1.76	18.41	0.62
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	190,210.64	117.00	1,740.99		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	193.46	0.12	1.77	156.50	0.72
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	39,724.09	117.00	1,737.18		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	40.40	0.12	1.77	36.37	0.80
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	29,088.95	117.00	1,732.16		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	29.59	0.12	1.76	26.49	0.79
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	21,737.77	117.00	1,731.68		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	22.11	0.12	1.76	25.09	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	14,384.17	117.00	1,741.68		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	14.63	0.12	1.77	12.84	0.78
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	179,290.90	117.00	1,749.31		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	182.36	0.12	1.78	85.10	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	40,529.58	117.00	1,727.13		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	41.22	0.12	1.76	34.20	0.73
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	20,206.58	117.00	1,728.02		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	20.55	0.12	1.76	17.59	0.75
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	29,308.05	117.00	1,733.56		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	29.81	0.12	1.76	26.49	0.78
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	20,450.70	117.00	1,732.96		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	20.80	0.12	1.76	25.09	1.06
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,418,111.25
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	144,243.84

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2025	809.07	809.07	1,183.93		9.07	60.41	887.88	4,284.60	446.16	2,691.23	2,528.91	105,088.87	71,468.37	46.12	44.42	105,088.88			24,791.81	94,549.86	0.00	52.01	35.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00				809.07	808.57	808.57						17.60				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2026	812.20	812.20	1,183.96		9.30	60.30	887.77	4,290.62	595.92	1,776.16	3,110.38	124,377.44	31,978.64	39.99	46.61	124,577.46			30,386.47	73,996.02	45.34	53.79	37.92	0.54	0.54	0.54	0.00	0.00	0.00	0.00	0.00				812.20	808.47	808.47						17.60				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	704.78	1,205.74	3,693.77	119,482.35	58,583.09	32.35	47.11	119,482.38			32,739.71	56,504.94	45.93	54.30	38.59	0.55	0.55	0.55	0.00	0.00	0.00	0.00	0.00				811.95	808.22	808.22						17.60				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2028	812.09	812.09	1,183.19		9.30	60.15	887.58	4,290.55	650.99	1,452.40	3,489.14	113,969.35	44,840.66	32.66	46.00	113,969.38			27,293.29	65,861.10	44.78	53.38	37.33	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00				812.09	808.36	808.36						17.63				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2029	812.17	812.17	1,183.19		9.28	60.09	887.58	4,292.49	594.14	1,512.47	3,354.17	113,965.02	45,927.36	33.98	44.80	113,965.04			26,288.02	62,269.22	43.67	51.98	36.41	0.47	0.47	0.47	0.00	0.00	0.00	0.00	0.00				812.17	808.44	808.44						17.60				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	585.35	1,530.07	3,417.88	121,824.37	38,436.37	35.64	45.34	121,824.41			27,036.26	64,588.03	44.22	52.28	37.19	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00				821.92	820.92	820.92						17.60				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2031	831.22	831.22	1,183.19		6.76	60.12	887.39	4,388.82	579.80	1,555.05	3,414.57	123,998.40	41,013.91	36.30	46.33	123,998.43			27,619.48	66,047.31	45.30	51.97	39.43	0.32	0.32	0.32	0.00	0.00	0.00	0.00	0.00				831.22	827.49	827.49	5,535.95					17.65				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2032	831.22	831.22	1,183.19		5.85	59.92	887.39	4,400.48	516.74	1,613.78	3,303.44	121,422.65	38,676.87	36.76	47.36	121,422.65			23,551.75	71,834.66	46.36	52.79	40.75	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00				838.52	834.59	834.59	188,653.55					17.60				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2033	838.52	838.52	1,183.19		5.85	59.92	887.39	4,400.48	516.74	1,613.78	3,303.44	121,422.65	38,676.87	36.76	47.36	121,422.65			23,551.75	71,834.66	46.36	52.79	40.75	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00				838.52	834.59	834.59	188,653.55					17.60				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,430.26	488.61	1,634.94	3,291.93	124,133.10	36,175.57	37.71	47.74	124,133.17			22,055.29	72,757.02	46.77	53.02	41.37	0.27	0.27	0.27	0.00	0.00	0.00	0.00	0.00				843.73	840.00	840.00	502,043.69					17.59				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,524.78	430.94	1,695.42	3,260.30	127,003.91	31,977.28	38.95	48.80	127,003.93			19,636.68	81,472.39	47.87	53.92	42.59	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00				861.89	858.16	858.16	811,401.12					17.60				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2036	882.08	882.08	1,183.19		0.60	59.94	887.39	4,577.21	394.77	1,766.32	3,125.67	131,244.07	31,516.72	41.99	50.10	131,244.06			18,444.07	85,988.46	49.26	54.64	44.35	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00				882.08	878.33	878.33	805,899.05					17.57				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2037	891.68	891.68	1,183.19		-0.48	58.93	887.39	4,622.91	400.91	1,826.18	3,177.66	137,633.61	31,561.19	43.31	51.26	137,633.65			19,982.63	86,720.43	50.36	55.53	45.83	0.19	0.19	0.19	0.00	0.00	0.00	0.00	0.00				891.68	887.95	887.95	787,252.90					17.56				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2038	901.87	901.87	1,207.55		-3.81	58.60	849.44	4,629.70	12.00	2,060.63	2,641.07	-113,535.05	252,380.17	-42.99	51.92	-120,257.13			776.67	103,324.28	51.07	56.00	46.77	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00				901.87	898.14	898.14	198,496.48	324,609.96			0.26	2,275.13				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Core	2040	909.62	909.62	1,207.55		-6.07	58.53	854.44	4,676.65	6.84	1,893.23	2,790.27	-112,917.47	278,250.90	-47.64	52.61	-140,438.59			482.87	101,173.70	51.80	56.37	47.84	0.22	0.22	0.22	0.00	0.00	0.00	0.00	0.00				909.62	887.12	887.12	176,792.39	346,863.17			0.29	2,455.32				
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2024								0.00	2,034.13	802.12	0.00	0.00						41,121.43	71,669.86	29,548.42	39.39	48.48	31.45																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2025								0.00	2,401.23	446.16	0.00	0.00						69,757.99	94,549.86	24,791.87	43.16	52.01	35.45																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2026								0.00	1,452.40	650.99	0.00	0.00						32,739.71	56,504.94	30,386.47	45.93	54.30	38.59																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2027								0.00	1,295.74	704.78	0.00	0.00						23,707.23	56,504.94	32,739.71	45.93	54.30	38.59																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2028								0.00	1,452.40	650.99	0.00	0.00						38,567.80	65,861.11	27,293.30	44.78	53.38	37.33																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2029								0.00	1,522.47	594.14	0.00	0.00						35,981.20	62,269.21	26,288.01	43.67	51.98	36.41																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2030								0.00	1,530.07	585.35	0.00	0.00						37,551.77	64,588.03	27,036.26	44.22	52.28	37.19																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2031								0.00	1,555.05	579.80	0.00	0.00						38,436.37	66,047.31	27,619.48	45.30	51.97	39.43																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2032								0.00	1,613.78	516.74	0.00	0.00						40,677.81	66,047.31	27,619.48	45.30	51.97	39.43																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2033								0.00	1,613.78	516.74	0.00	0.00						40,282.91	71,834.65	23,551.74	46.36	52.79	40.75																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2034								0.00	1,668.94	488.61	0.00	0.00						50,792.72	72,757.02	22,055.29	46.77	53.02	41.37																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2035								0.00	1,695.42	430.94	0.00	0.00						61,835.70	81,472.40	19,636.69	47.87	53.92	42.59																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2036								0.00	1,766.40	425.87	0.00	0.00						61,661.57	81,939.35	20,277.78	48.76	54.68	43.58																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2037								0.00	1,846.32	394.77	0.00	0.00						66,942.70	85,988.65	19,445.96	49.16	54.64	44.35																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2038								0.00	2,060.63	12.00	0.00	0.00						103,324.28	103,324.28	776.67	51.07	56.00	46.77																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2039								0.00	2,000.69	12.00	0.00	0.00						102,547.61	103,324.28	776.67	51.07	56.00	46.77																										
DEKY 2024 IRP Core E82 DFO '30 - NS SMR PC	0	DEKY	KY Market	2040								0.00	1,893.23	6.84	0.00	0.00						100,690.83	101,173.70	482.87	51.80	56.37	47.84																										

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,625.60	30.84				11,057.71			18,032,378.80	47,092.02	598.58	2.64	1,263.20	22,305.90	71,259.70	43.84	71,259.70	71,259.70								49.31	80,153.47			0.00	8,893.76			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.29	2,044.80	38.90				4,523.00	8.00		10,975.91	22,500,418.56	58,480.38	777.34	2.63	1,294.40	29,113.44	89,665.56	43.85	32,574.08	122,239.64	89,665.55								50.43	103,121.23			0.00	-19,118.42			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	2,951.00	56.15				5,825.00	7.00		10,817.73	31,972,898.41	68,942.42	1,239.03	2.19	1,326.40	43,484.27	114,988.12	38.97	76,066.69	191,054.80	114,988.12								49.21	145,222.98			0.00	-45,831.82			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,543.70	67.62				5,927.00	9.00		10,617.48	37,689,167.50	84,272.68	1,545.61	2.28	1,530.00	23,624.87	110,973.17	31.32		110,973.17	110,973.18								47.46	168,174.02			0.00	57,200.84			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.20	3,268.00	64.19				5,841.00	8.00		10,657.53	34,835,423.75	83,941.05	1,153.43	2.44	1,638.80	23,134.32	109,707.82	33.57		109,707.82	109,707.82								46.07	150,554.30			0.00	-82,846.48			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,218.10	61.19				5,626.00	8.00		10,775.19	34,710,968.03	84,614.99	1,562.13	2.48	1,464.80	23,539.75	111,181.28	34.57	113,334.69	224,515.97	111,181.30								46.13	148,345.14			0.00	-76,170.83			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.03	3,232.60	61.50				5,586.00	9.00		10,760.89	34,849,652.00	84,242.43	1,395.21	2.51	1,688.40	24,280.04	113,606.09	35.14	17,228.00	130,834.09	113,606.09								47.23	152,681.12			0.00	21,847.03			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,297.40	62.56				5,594.00	8.00		10,739.73	35,470,068.94	88,333.64	1,620.96	2.54	1,730.70	25,451.64	117,136.95	35.52	17,228.00	134,364.95	117,136.97								47.62	157,019.60			0.00	22,654.65			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.30	3,266.10	62.14				5,706.00	9.00		10,773.66	35,251,825.94	90,595.31	1,468.54	2.61	1,773.90	26,084.03	119,513.78	36.72	17,228.00	137,148.78	119,921.76								48.30	157,758.78			0.00	20,609.01			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	3,270.50	62.22				5,675.00	7.00		10,765.72	35,259,047.56	93,863.43	1,701.26	2.71	1,414.70	26,884.92	123,864.32	37.87	17,228.00	141,092.32	123,864.37								48.68	159,237.50			0.00	18,125.19			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.03	3,242.70	61.70				5,633.00	7.00		10,766.80	34,963,275.75	96,664.65	1,422.97	2.81	1,449.70	27,466.60	127,003.91	39.17	109,479.00	236,481.92	127,003.92								48.77	158,149.80			0.00	31,146.02			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2036	1.00	600.00	498.96	66.12	3,218.60	61.07				5,641.00	8.00		10,777.41	34,741,037.63	99,890.16	1,524.68	2.92	1,698.40	28,127.40	131,240.64	40.78	17,228.00	148,468.64	131,240.65								51.10	164,477.01			0.00	16,008.37			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2037	1.00	600.00	498.96	66.30	3,138.50	59.13				5,531.00	7.00		10,795.47	33,603,173.38	100,235.33	1,436.63	3.03	1,523.20	28,048.91	131,244.07	42.23	17,228.00	148,472.07	131,244.04								52.10	161,929.68			0.00	13,457.61			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Coal:Conventional	East Bend 2	2038	1.00	600.00	498.96	66.03	3,160.10	60.12				5,561.00	10.00		10,782.19	34,143,898.19	104,331.25	1,736.99	3.11	2,230.00	29,335.36	137,633.61	43.55	17,228.00	154,861.60	137,633.64								53.27	168,353.60			0.00	13,491.99			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	New CT DEKY	2019	1.00	231.00	173.01	95.18	121.41	6.19				535.93	13.90		10,282.25	1,248,405.26	7,622.54	22.47	6.12	237.32	162.22	8,044.54	66.26	16,595.66	24,640.20	8,044.61					68.27			70.66	8,579.68	0.07		0.00	-16,060.45			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	New CT DEKY	2040	1.00	231.00	173.01	95.11	48.88	2.48				214.00	6.00		10,224.04	499,771.92	3,282.08	6.17	6.58	104.99	66.94	3,460.18	70.79	17,010.55	20,470.73	3,460.21					27.43			75.90	3,710.38	0.03		0.00	-16,760.34			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2024	1.00	94.00	57.92	80.70	189.88	24.76			14.00	2,470.00	36.00		15,243.61	2,895,223.18	6,283.80	172.97	2.23	212.40	0.00	6,669.17	35.12		6,669.17	6,669.17								46.56	8,840.92			0.00	2,171.75			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2025	1.00	94.00	57.92	74.72	49.70	6.50				560.00	29.00		14,762.44	734,346.10	2,684.84	34.50	3.70	176.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.50			0.00	224.26			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2026	1.00	94.00	57.92	89.99	24.64	3.22				278.00	14.00		14,767.51	364,091.58	1,517.21	17.05	4.21	86.80	0.00	1,621.06	65.80		1,621.06	1,621.06								72.34	1,782.08			0.00	161.02			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2027	1.00	94.00	57.92	90.14	17.96	2.35				268.00	13.00		14,737.15	264,515.29	1,094.76	2.54	4.15	64.00	0.00	1,161.31	64.66		1,161.31	1,161.31								67.42	1,210.71			0.00	49.40			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2028	1.00	94.00	57.92	89.67	6.37	0.83			1.00	79.00	6.00		15,030.99	95,891.47	337.57	12.10	3.65	39.60	0.00	389.27	61.10		389.27	389.27								65.52	417.41			0.00	28.14			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2029	1.00	94.00	57.92	85.86	9.76	1.28			1.00	114.00	7.00		14,864.47	145,286.66	569.48	9.79	3.99	46.90	0.00	626.17	64.13		626.17	626.17								68.68	670.61			0.00	44.45			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2030	1.00	94.00	57.92	84.66	22.57	2.95				261.00	13.00		14,840.89	335,217.01	1,225.43	18.40	3.71	89.70	0.00	1,333.53	59.09		1,333.53	1,333.53								62.19	1,403.51			0.00	69.98			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2031	1.00	94.00	57.92	85.86	23.37	3.06				268.00	13.00		14,808.77	346,324.36	1,415.38	22.08	4.15	92.30	0.00	1,529.75	65.46		1,529.75	1,529.75								69.46	1,623.23			0.00	93.47			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2032	1.00	94.00	57.92	85.61	17.91	2.33			1.00	209.00	6.00		14,875.72	266,514.42	1,172.75	12.40	4.45	43.20	0.00	1,228.35	68.59		1,228.35	1,228.35								71.72	1,284.30			0.00	55.95			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2033	1.00	94.00	57.92	85.56	3.29	0.43				35.00	2.00		14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54		251.81	251.81								77.45	254.83			0.00	3.01			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2034	1.00	94.00	57.92	85.31																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2035	1.00	94.00	57.92	85.41																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2036	1.00	94.00	57.92	85.86																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2037	1.00	94.00	57.92	85.61																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2038	1.00	94.00	57.92	85.36																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2039	1.00	94.00	57.92	85.06																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 1	2040	1.00	94.00	57.92	86.10																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2024	1.00	94.00	67.62	87.33	197.38	25.49			18.00	2,447.00	39.00		15,086.55	2,978,539.08	5,720.41	121.68	1.96	230.10	0.00	6,072.20	30.76		6,072.20	6,072.20								41.00	8,091.45			0.00	2,019.25			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2025	1.00	94.00	67.62	72.97	44.67	5.79			1.00	505.00	28.00		14,772.51	660,408.01	2,397.81	36.37	3.69	170.80	0.00	2,604.98	58.32		2,604.98	2,604.98								63.16	2,820.97			0.00	215.98			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2026	1.00	94.00	67.62	87.46	23.77	3.34				99.00	15.00		14,719.26	380,675.85	1,577.50	19.76	4.20	93.00	0.00	1,690.26	65.59		1,690.26	1,690.26								72.02	1,865.94			0.00	165.68			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2027	1.00	94.00	67.62	88.07	23.10	2.99				262.00	15.00		14,787.39	341,977.55	1,370.25	15.23	4.05	96.00	0.00	1,481.48	64.12		1,481.48	1,481.48								68.43	1,581.15			0.00	99.67			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2028	1.00	94.00	67.62	87.50	11.01	1.42			1.00	128.00	8.00		14,850.24	163,713.67	658.88	12.36	4.10	52.80	0.00	724.03	65.74		724.03	724.03								70.58	777.30			0.00	53.27			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2029	1.00	94.00	67.62	84.70	15.96	2.06			1.00	141.00	8.00		14,826.69	181,572.55	685.26	12.36	3.84	53.60	0.00	751.22	61.40		751.22	751.22								65.25	798.34			0.00	47.13			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2030	1.00	94.00	67.62	84.51	33.86	4.38			1.00	209.00	6.00		14,875.72	266,514.42	1,172.75	12.40	4.45	43.20	0.00	1,228.35	68.59		1,228.35	1,228.35								71.72	1,284.30			0.00	55.95			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2031	1.00	94.00	67.62	84.60	24.64	3.19				281.00	14.00		14,793.15	364,738.05	1,478.19	25.09	4.12	99.40	0.00	1,602.68	65.05		1,602.68	1,602.68								69.05	1,701.16			0.00	98.48			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2032	1.00	94.00	67.62	84.70	15.96	2.06			1.00	183.00	6.00		14,853.04	236,713.06	960.59	9.52	4.50	56.10	0.00	1,026.21	64.50		1,026.21	1,026.21								65.54	1,092.91			0.00	80.22			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2033	1.00	94.00	67.62	84.35	3.29	0.43				35.00	2.00		14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54		251.81	251.81								77.45	254.83			0.00	3.01			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2034	1.00	94.00	67.62	85.25	0.96	0.12				12.00	1.00		15,047.75	14,466.83	62.13	2.46	4.47	7.60	0.00	72.20	75.20		72.20	72.20								75.71	72.68			0.00	0.48			
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2035	1.00	94.00	67.62	84.53																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2036	1.00	94.00	67.62	85.69																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2037	1.00	94.00	67.62	84.64																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2038	1.00	94.00	67.62	85.35																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstake 2	2039	1.00	94.00	67.62	85.25																																				
DEKY 2024 RP Core E82 DFO '30 - NS SMR PC		0 DEKY	KY Core

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,845,184.90	204.65	2,270.16		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	686.30	0.08	0.84	595.77	0.37
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,172.10	0.13	1.44	2.81	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,303,829.20	204.78	2,253.35		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	861.42	0.08	0.84	773.83	0.38
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,462.53	0.13	1.43	3.51	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,276,909.16	204.98	2,220.88		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,233.26	0.08	0.84	1,230.04	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,078.24	0.13	1.41	4.99	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,862,224.77	204.95	2,179.77		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,478.42	0.08	0.83	1,539.74	0.43
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,449.80	0.13	1.38	5.88	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,723,770.12	204.98	2,183.90		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,395.00	0.08	0.82	1,758.68	0.52
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,361.66	0.13	1.39	5.67	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,575,150.11	204.97	2,187.91		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,388.17	0.08	0.85	1,147.97	0.35
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,267.55	0.13	1.39	5.44	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,557,240.33	204.96	2,212.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,326.76	0.08	0.83	1,562.14	0.49
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,570,746.48	204.92	2,209.21		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,349.48	0.08	0.83	1,395.22	0.43
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	3,635,161.82	204.97	2,204.87		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,358.54	0.08	0.82	1,620.97	0.49
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	3,612,029.66	204.93	2,211.83		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,360.73	0.08	0.83	1,468.54	0.45
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	3,614,230.46	205.01	2,210.20		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,344.96	0.08	0.82	1,701.27	0.52
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	3,583,869.56	205.01	2,210.42		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	1,359.03	0.08	0.84	1,422.96	0.44
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	3,560,737.56	204.96	2,212.60		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	1,341.87	0.08	0.83	1,524.67	0.47
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	3,444,255.30	205.00	2,216.31		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	1,301.16	0.08	0.84	1,436.63	0.46
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	3,497,571.13	204.87	2,213.58		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	1,302.98	0.08	0.82	1,736.99	0.55
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2039	CO2	74,904.33	120.00	1,233.87		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2039	NOx	23.01	0.04	0.38	22.47	0.19
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2039	SO2	1.28	0.00	0.02		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2040	CO2	29,986.30	120.00	1,226.88		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2040	NOx	9.26	0.04	0.38	6.17	0.13
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	New CT DEKY	2040	SO2	0.51	0.00	0.02		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	169,370.51	117.00	1,783.97		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	172.27	0.12	1.81	172.97	0.91
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	15,474.14	117.00	1,723.27		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	15.74	0.12	1.75	2.54	0.14
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	5,609.65	117.00	1,760.94		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	5.71	0.12	1.79	12.10	1.90
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	8,499.27	117.00	1,740.90		

DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	19,610.19	117.00	1,737.80		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	19.95	0.12	1.77	18.40	0.82
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	174,244.47	117.00	1,765.61		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	177.22	0.12	1.80	121.68	0.62
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	38,633.86	117.00	1,729.92		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	39.29	0.12	1.76	36.37	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,269.53	117.00	1,728.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.65	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	10,621.99	117.00	1,736.33		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	10.80	0.12	1.77	12.36	1.01
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	29,308.05	117.00	1,733.56		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	29.81	0.12	1.76	26.49	0.78
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	13,847.71	117.00	1,735.78		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	14.08	0.12	1.77	7.52	0.47
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	155,390.49	117.00	1,741.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	158.05	0.12	1.77	147.53	0.83
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	34,158.18	117.00	1,740.76		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	34.74	0.12	1.77	36.36	0.93
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	10,621.99	117.00	1,736.33		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	10.80	0.12	1.77	12.36	1.01
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	28,118.96	117.00	1,741.96		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	28.60	0.12	1.77	26.59	0.82
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	20,210.83	117.00	1,733.35		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	20.56	0.12	1.76	25.09	1.08
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	10,123.60	117.00	1,755.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	10.30	0.12	1.79	12.83	1.11
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	188,338.59	117.00	1,743.18		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	191.56	0.12	1.77	91.62	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,116.67	117.00	1,733.44		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	34.70	0.12	1.76	34.48	0.88
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	20,400.92	117.00	1,727.35		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	20.75	0.12	1.76	14.53	0.62
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	19,136.89	117.00	1,732.39		

DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	26,424.13	117.00	1,732.58		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	26.88	0.12	1.76	18.42	0.60
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	190,711.85	117.00	1,741.47		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	193.97	0.12	1.77	152.56	0.70
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	39,707.70	117.00	1,736.47		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	40.39	0.12	1.77	36.37	0.80
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	16,542.10	117.00	1,720.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	16.82	0.12	1.75	7.33	0.38
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	10,621.99	117.00	1,736.33		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	10.80	0.12	1.77	12.36	1.01
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	27,238.10	117.00	1,733.53		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	27.70	0.12	1.76	26.48	0.84
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	185,383.96	117.00	1,745.62		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	188.55	0.12	1.78	85.91	0.40
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	41,305.47	117.00	1,727.79		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	42.01	0.12	1.76	36.38	0.76
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	10,621.99	117.00	1,736.33		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	10.80	0.12	1.77	12.36	1.01
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	29,088.95	117.00	1,732.16		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	29.59	0.12	1.76	26.49	0.79
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	20,050.10	117.00	1,733.54		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	20.39	0.12	1.76	25.09	1.08
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS SMR PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2039	DEKY	KY Core	Proj New C	1.00	1.00	231.00	372,622.06
DEKY 2024	0	2039	DEKY	KY Core	Proj New N	1.00	1.00	300.00	4,436,417.50
DEKY 2024	0	2040	DEKY	KY Core	Proj New S	2.00	2.00	100.00	229,460.84

Scenario	RunID	PA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2024	807.65	807.65	1,183.33		9.95	60.45	886.64	4,188.59	635.19	1,335.94	3,852.76	153,830.83	25,416.12	37.91	48.70	153,830.83			31,485.42	67,107.79	39.39	48.48	51.45	0.88	0.88	0.88	0.00	0.00	0.00	0.00				807.65	803.47	803.47											17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2025	809.57	809.57	1,183.00		9.67	60.41	887.86	4,184.00	404.23	2,371.39	2,216.63	104,976.72	13,659.02	45.31	44.42	104,976.72			21,960.31	93,640.79	43.16	52.01	55.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.57	808.57	808.57											17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2026	812.20	812.20	1,183.06		9.30	60.30	887.77	4,296.62	689.34	1,763.90	3,136.07	125,252.69	34,935.41	39.94	46.61	125,252.71			35,584.20	71,361.72	45.34	53.79	57.92	0.54	0.54	0.54	0.00	0.00	0.00	0.00				812.20	808.47	808.47											17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2027	811.95	811.95	1,183.13		9.33	60.24	887.67	4,284.73	712.38	1,313.60	3,683.51	119,257.44	57,925.12	32.38	47.11	119,257.48			33,150.38	57,800.49	45.93	54.30	58.59	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.22	808.22											17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2028	812.17	812.17	1,183.19		9.34	60.23	887.58	4,282.49	588.51	1,512.57	3,529.43	113,346.77	38,928.32	34.04	44.80	113,346.79			25,956.46	65,555.17	43.67	51.38	56.43	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44	7,050.66										17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2029	812.17	812.17	1,183.19		9.34	60.23	887.58	4,282.49	588.51	1,512.57	3,529.43	113,346.77	38,928.32	34.04	44.80	113,346.79			25,956.46	65,555.17	43.67	51.38	56.43	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44	7,050.66										17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2030	821.92	821.92	1,183.19		7.98	60.59	887.49	4,362.59	573.57	1,528.62	3,406.34	120,905.74	35.49	45.34	120,905.78				25,974.79	65,258.80	44.22	52.28	57.19	0.40	0.40	0.40	0.00	0.00	0.00	0.00				821.92	820.92	820.92	32,532.14										17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2031	827.36	827.36	1,183.19		7.27	60.30	887.49	4,373.05	588.92	1,538.78	3,390.16	121,614.39	41,139.31	35.87	46.08	121,614.41			27,496.42	66,144.05	44.89	52.87	57.93	0.37	0.37	0.37	0.00	0.00	0.00	0.00				827.36	826.35	826.35	86,416.29										17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2032	831.22	831.22	1,183.19		6.76	60.12	887.39	4,389.82	598.76	1,551.09	3,437.49	125,123.50	38,511.74	36.40	46.33	125,123.52			27,883.79	67,639.68	45.50	51.97	39.43	0.32	0.32	0.32	0.00	0.00	0.00	0.00				831.22	827.49	827.49	207,436.13										17.63	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2033	836.51	836.51	1,183.19		6.47	60.00	887.39	4,416.09	608.61	1,563.77	3,452.93	126,402.73	36,979.09	36.62	46.59	126,402.75			28,271.16	68,203.41	46.13	52.57	39.87	0.27	0.27	0.27	0.00	0.00	0.00	0.00				836.51	832.51	832.51	345,693.55										17.67	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,450.26	464.13	1,563.77	3,335.83	125,402.73	36,979.09	37.62	47.74	125,402.81			21,096.42	69,551.00	46.77	53.02	41.37	0.17	0.17	0.17	0.00	0.00	0.00	0.00				843.73	840.00	840.00	340,881.58										17.69	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,524.78	436.24	1,726.72	3,234.30	126,154.68	35.01	48.80		126,154.68			20,558.21	78,079.75	47.87	53.92	42.59	0.20	0.20	0.20	0.00	0.00	0.00	0.00				861.89	858.16	858.16	256,558.70										17.60	
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2036	872.04	872.04	1,240.45		2.14	59.54	890.72	4,560.70	582.34	256.27	4,886.62	175,050.24	69,012.24	35.82	49.77	175,052.23			27,963.86	10,890.90	46.76	54.68	43.58	0.20	0.20	0.20	0.00	0.00	0.00	0.00				872.04	871.03	871.03		113,944.80		2.61	0.51	1,991.84					
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2037	882.06	882.06	1,240.45		0.88	59.24	890.72	4,577.21	506.17	337.86	4,745.52	178,300.56	61,078.15	37.57	50.10	178,302.46			24,697.63	14,032.45	49.16	54.64	44.35	0.20	0.20	0.20	0.00	0.00	0.00	0.00				882.06	878.10	878.10	66,910.63	131,427.68		4.64	0.94	1,886.59					
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2038	892.87	892.87	1,240.45		-0.43	58.97	890.72	4,593.74	506.17	337.86	4,762.09	178,900.56	60,478.15	37.57	50.10	178,902.46			24,697.63	14,032.45	49.16	54.64	44.35	0.20	0.20	0.20	0.00	0.00	0.00	0.00				892.87	888.14	888.14	172,971.12	118,623.80		5.01	1.29	1,858.53					
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2039	901.87	901.87	1,240.45		-1.24	58.60	890.72	4,629.70	481.38	436.81	4,684.27	187,010.33	60,181.24	39.92	51.92	187,012.20			24,851.23	18,061.65	51.07	56.00	46.77	0.20	0.20	0.20	0.00	0.00	0.00	0.00				901.87	898.14	898.14	172,971.12	118,623.80		5.01	1.29	1,858.53					
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Core	2040	909.62	909.62	1,240.45		-2.08	58.53	890.72	4,676.65	429.41	600.94	4,496.12	191,794.15	51,740.76	42.66	52.61	191,795.94			22,497.29	25,000.21	51.80	56.37	47.84	0.22	0.22	0.22	0.00	0.00	0.00	0.00				909.62	905.89	905.89	187,314.83	121,190.73		7.59	1.64	1,772.97					
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2024							0.00		1,935.94	650.59	0.00		0.00				35,314.37		47,107.80	31,802.43	39.39	48.48	51.45																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2025							0.00		2,371.39	404.23	0.00		0.00				71,680.48		59,640.80	21,960.31	43.16	52.01	55.45																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2026							0.00		1,763.90	689.34	0.00		0.00				26,572.31		37,800.49	35,584.20	45.34	53.79	57.92																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2027							0.00		1,313.60	712.38	0.00		0.00				24,450.11		37,800.49	33,150.38	45.93	54.30	58.59																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2028							0.00		1,473.38	650.42	0.00		0.00				36,556.91		44,955.29	28,398.39	44.78	53.38	57.33																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2029							0.00		1,532.57	599.51	0.00		0.00				39,598.71		45,555.16	25,956.45	43.67	51.96	56.43																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2030							0.00		1,528.62	573.57	0.00		0.00				39,394.01		45,258.81	25,974.80	44.22	52.28	57.19																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2031							0.00		1,538.78	588.92	0.00		0.00				39,894.01		45,258.81	27,496.42	44.89	52.87	57.93																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2032							0.00		1,551.09	598.76	0.00		0.00				39,755.89		47,639.70	27,883.80	45.50	51.97	39.43																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2033							0.00		1,612.24	546.89	0.00		0.00				48,613.07		73,506.57	24,893.50	46.36	52.79	40.75																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2034							0.00		1,563.77	464.13	0.00		0.00				48,454.58		69,550.99	21,096.41	46.77	53.02	41.37																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2035							0.00		1,726.72	436.24	0.00		0.00				57,521.50		78,079.75	20,558.22	47.87	53.92	42.59																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2036							0.00		256.27	582.34	0.00		0.00				8,688.09		10,890.90	27,963.86	46.76	54.68	43.58																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2037							0.00		337.86	506.17	0.00		0.00				10,685.18		14,032.45	24,697.63	49.16	54.64	44.35																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2038							0.00		386.47	479.17	0.00		0.00				8,668.09		15,411.56	24,079.64	50.36	55.53	45.83																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2039							0.00		426.81	481.38	0.00		0.00				6,788.59		18,061.65	24,851.24	51.07	56.00	46.77																									
DSSY 2024 IRP Core E&D DYO '30 - NI:CC '36 PC	0	DSSY	KY Market	2040							0.00		600.94	429.41	0.00		0.00				2,502.92		25,000.21	22,497.29	51.80	56.37	47.84																									

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,770.10	33.59				4,176.00	5.00	11,073.74	19,637,184.30	50,747.01	618.25	2.62	789.50	24,310.51	76,465.27	43.20		76,465.27	76,465.26								49.08	86,878.26				0.00	10,412.98			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.29	2,263.40	38.88				4,669.00	8.00	11,024.34	22,584,123.25	58,688.44	877.69	2.64	1,456.20	29,171.78	90,194.33	44.14	32,574.08	122,768.41	90,194.32								49.84	101,838.84				0.00	-20,929.57			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	2,971.80	56.54				5,478.00	10.00	10,730.96	31,961,381.44	69,445.92	893.15	2.20	1,658.00	43,581.99	115,579.06	38.89	76,066.69	191,645.75	115,579.07								50.05	148,729.84				0.00	-42,915.91			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,536.20	67.28				5,912.00	9.00	10,617.02	37,607,904.00	83,951.96	1,666.12	2.28	1,700.00	23,573.52	110,891.60	31.36		110,891.60	110,891.61								47.35	167,440.88				0.00	56,549.28			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,389.40	64.31				5,714.00	9.00	10,626.32	36,080,840.38	82,845.46	1,515.89	2.34	1,567.80	23,250.88	109,180.04	32.21		109,180.04	109,180.04								45.95	155,757.42				0.00	46,577.38			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.30	3,249.70	61.83				5,601.00	9.00	10,635.16	34,678,415.00	81,558.07	1,207.71	2.44	1,607.40	23,038.05	109,411.15	33.67		109,411.15	109,411.16								45.32	147,261.90				0.00	37,850.75			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	3,205.80	60.99				5,613.00	7.00	10,776.24	34,596,240.66	84,218.02	1,393.19	2.47	1,281.70	23,467.35	110,360.26	34.43	113,334.69	223,694.95	110,360.27								45.77	146,718.85				0.00	-76,976.09			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.03	3,244.20	61.72				5,597.00	7.00	10,759.02	34,954,188.19	86,260.21	1,325.83	2.51	1,313.20	24,381.66	113,260.90	34.91	17,228.00	130,488.90	113,260.90								47.17	153,040.95				0.00	22,552.05			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,315.90	62.92				5,729.00	9.00	10,760.70	35,745,401.06	89,097.26	1,528.68	2.54	1,730.70	25,659.10	118,015.73	35.59	17,228.00	135,243.73	118,015.74								46.86	155,377.37				0.00	20,133.64			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.30	3,297.80	62.74				5,708.00	7.00	10,762.79	35,543,305.69	91,106.40	1,399.83	2.60	1,379.70	26,303.03	120,188.96	36.45	17,228.00	137,416.95	120,188.94								47.74	157,428.62				0.00	20,011.68			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	1.00	600.00	498.96	66.03	3,299.40	62.77				5,654.00	9.00	10,751.25	35,536,648.44	94,830.48	1,588.75	2.71	1,818.90	27,075.82	125,313.95	37.98	17,228.00	142,541.95	125,314.01								48.94	161,464.66				0.00	18,922.71			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.03	3,216.70	61.20				5,552.00	8.00	10,759.53	34,667,065.38	95,973.15	1,301.75	2.81	1,656.80	27,222.95	126,154.66	39.22	17,228.00	143,382.66	126,154.66								50.51	162,464.01				0.00	19,081.36			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.08	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.08	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2036	1.00	599.10	455.91	91.48	4,585.00	89.04			5.00	7,817.65	11.69	6,390.32	29,323,929.00	145,137.93	152.46	4.95		16,875.67	162,166.06	35.37	52,494.70	214,660.76	162,167.75			0.26	1,690.48				49.63	227,552.88	1.69			0.00	12,893.81			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2037	1.00	599.10	455.91	91.32	4,493.82	87.51			7.00	7,672.92	14.67	6,387.87	28,736,445.88	150,054.68	158.18	5.23		16,953.56	167,166.42	37.20	53,807.06	220,973.49	167,168.06			0.76	1,635.28				50.23	225,725.00	1.64			0.00	4,751.15			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2038	1.00	599.10	455.91	90.98	4,472.83	87.10			18.00	7,642.95	18.55	6,390.29	28,621,215.25	150,686.34	155.43	5.44		17,296.24	173,138.02	38.71	55,152.23	228,290.25	173,139.65			1.61	1,635.11				51.54	225,336.16	1.64			0.00	2,472.35			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2039	1.00	599.10	455.91	91.04	4,444.92	86.56			26.00	7,599.27	19.75	6,389.77	28,443,085.75	157,880.61	162.13	5.56		17,618.00	175,660.74	39.52	56,531.04	232,191.78	175,662.36			1.19	1,619.17				52.44	233,070.21	1.62			0.00	880.05			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK	2040	1.00	599.10	455.91	91.30	4,310.34	83.70			40.00	7,373.94	28.25	6,394.06	27,619,356.25	164,880.51	153.14	5.98		17,513.72	182,545.36	42.35	57,944.31	240,489.68	182,546.96			1.54	1,587.48				53.84	232,061.81	1.59			0.00	-8,428.28			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK OP	2036	1.00	64.80	46.37	91.56	284.20	52.84				4,727.44	406.01	8,849.98	2,515,158.43	12,363.93	10.95	4.92		509.30	12,884.18	45.34		12,884.18	12,884.46			2.36	0.51	283.73			55.10	15,658.67	4.77			0.00	2,779.27			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK OP	2037	1.00	64.80	46.37	91.27	294.14	49.66				3,950.73	440.65	8,833.70	2,606,144.25	12,799.11	9.38	5.18		526.91	13,326.02	45.31		13,326.02	13,134.36			3.48	0.94	210.74			54.71	13,243.55	3.52			0.00	1,054.87			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK OP	2038	1.00	64.80	46.37	91.02	321.42	45.21				3,735.07	461.99	8,859.97	2,965,341.07	14,912.88	8.63	5.56		575.97	15,488.60	51.17		15,488.60	15,179.89			4.85	1.29	221.45			59.79	18,021.32	9.81			0.00	1,923.91			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combined Cycle	New 1x1 CC DEK OP	2039	1.00	64.80	46.37	91.38	168.22	31.27				2,896.56	458.14	8,870.75	1,493,227.36	9,909.42	6.41	5.97		332.75	9,248.78	54.98		9,248.78	9,248.96			6.45	1.64	167.93			63.10	15,614.37	14.47			0.00	1,380.05			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2024	1.00	94.00	57.92	81.05	196.32	25.60			15.00	2,549.00	38.00	15,237.92	2,992,329.72	6,563.70	172.98	2.25	224.20	0.00	6,960.87	35.46		6,960.87	6,960.87								46.60	9,148.96				0.00	2,188.09			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2025	1.00	94.00	57.92	74.72	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	179.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.50				0.00	224.26			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2026	1.00	94.00	57.92	89.49	24.67	3.23			1.00	279.00	14.00	14,774.09	364,809.22	1,520.45	17.05	4.21	86.80	0.00	1,624.29	65.83		1,624.29	1,624.29								72.34	1,784.85				0.00	160.56			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2027	1.00	94.00	57.92	90.24	22.09	2.89			1.00	251.00	14.00	14,793.49	327,126.46	1,319.57	12.80	4.07	89.60	0.00	1,423.97	64.36		1,423.97	1,423.97								68.70	1,517.75				0.00	95.78			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2028	1.00	94.00	57.92	89.87	10.89	1.42			1.00	128.00	8.00	14,882.56	162,212.27	653.50	12.11	4.10	52.80	0.00	718.41	65.98		718.41	718.41								70.59	768.65				0.00	50.24			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2029	1.00	94.00	57.92	89.87	10.89	1.42			1.00	129.00	7.00	14,832.92	165,893.05	11.17	1.46	3.88	46.90	0.00	690.97	61.84		690.97	690.97								65.83	735.57				0.00	44.59			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2030	1.00	94.00	57.92	85.31	28.59	3.74				325.00	16.00	14,793.24	423,200.63	1,497.13	18.41	3.58	110.40	0.00	1,625.95	56.88		1,625.95	1,625.95								59.68	1,706.05				0.00	80.10			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2031	1.00	94.00	57.92	86.11	23.37	3.06				1,808.00	17.00	14,808.77	346,324.36	1,415.38	22.08	4.15	92.30	0.00	1,529.75	65.46		1,529.75	1,529.75								69.46	1,623.23				0.00	93.47			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2032	1.00	94.00	57.92	85.46	16.31	2.13			1.00	192.00	5.00	14,901.32	243,139.51	1,063.07	12.39	4.42	36.00	0.00	1,111.46	68.15		1,111.46	1,111.46								71.47	1,165.72				0.00	54.25			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2033	1.00	94.00	57.92	86.01	3.29	0.43				35.00	2.00	14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54		251.81	251.81								77.45	254.83				0.00	3.01			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2034	1.00	94.00	57.92	84.81															0.00			0.00														0.00	0.00			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2035	1.00	94.00	57.92	85.31															0.00			0.00														0.00	0.00			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2036	1.00	94.00	57.92	85.96															0.00			0.00														0.00	0.00			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2037	1.00	94.00	57.92	85.91															0.00			0.00														0.00	0.00			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2038	1.00	94.00	57.92	86.11															0.00			0.00														0.00	0.00			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2039	1.00	94.00	57.92	84.66															0.00			0.00														0.00	0.00			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 1	2040	1.00	94.00	57.92	86.45															0.00			0.00														0.00	0.00			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 2	2024	1.00	94.00	67.62	87.76	189.09	24.42			16.00	2,313.00	42.00	15,039.10	2,844,571.52	5,563.26	123.00	2.00	247.80	0.00	5,934.07	31.38		5,934.07	5,934.07								42.53	8,042.01				0.00	2,107.94			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 2	2025	1.00	94.00	67.62	72.67	44.67	5.79			1.00	505.00	28.00	14,772.51	660,408.01	2,397.81	36.37	3.69	170.80	0.00	2,604.98	58.32		2,604.98	2,604.98								63.16	2,820.97				0.00	215.98			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 2	2026	1.00	94.00	67.62	87.76	23.89	3.09			1.00	267.00	15.00	14,742.88	352,531.81	1,475.62	15.03	4.23	93.00	0.00	1,583.65	66.29		1,583.65	1,583.65								72.33	1,727.95				0.00	144.30			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 2	2027	1.00	94.00	67.62	87.46	23.10	2.99				262.00	15.00	14,797.39	341,977.55	1,370.25	15.23	4.05	96.00	0.00	1,481.48	64.12		1,481.48	1,481.48								68.43	1,581.15				0.00	99.67			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 2	2028	1.00	94.00	67.62	87.55	11.01	1.42			1.00	128.00	8.00	14,850.24	163,713.67	658.88	12.36	4.10	52.80	0.00	724.03	65.74		724.03	724.03								70.58	777.30				0.00	53.27			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 2	2029	1.00	94.00	67.62	84.52	11.27	1.46			1.00	129.00	7.00	14,807.87	167,105.71	638.45	9.99	3.88	46.90	0.00	695.34	61.67		695.34	695.34								65.84	742.31				0.00	46.97			
DEKY 2024 RP Core E82 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas:Oil:Combustion Turbine	Woodstale 2	2030	1.00	94.00	67.62	84.52	33.59	4.35				382.00	20.00	14,792.24	497,247.14	1,770.77	26.49	3.61	138.00	0.00	1,935.26

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	2,012,107.76	204.93	2,273.44		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	750.53	0.08	0.85	615.19	0.35
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,276.42	0.13	1.44	3.06	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,312,421.33	204.78	2,263.31		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	851.66	0.08	0.83	874.16	0.43
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,467.97	0.13	1.44	3.52	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,273,537.64	204.84	2,203.07		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,273.84	0.08	0.86	888.17	0.30
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,077.49	0.13	1.40	4.99	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,853,883.13	204.95	2,179.67		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,461.40	0.08	0.83	1,660.25	0.47
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,444.51	0.13	1.38	5.87	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,697,129.98	204.94	2,181.58		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,408.09	0.08	0.83	1,510.27	0.45
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,345.26	0.13	1.38	5.63	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,553,171.16	204.92	2,186.77		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,374.83	0.08	0.85	1,202.30	0.37
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,254.10	0.13	1.39	5.41	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,546,193.48	205.00	2,212.36		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,337.42	0.08	0.83	1,393.19	0.43
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,582,936.90	205.01	2,208.83		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,361.08	0.08	0.84	1,325.83	0.41
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	3,662,695.04	204.93	2,209.17		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,375.38	0.08	0.83	1,528.68	0.46
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	3,643,409.77	205.01	2,209.60		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,381.33	0.08	0.84	1,399.83	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	3,641,266.54	204.93	2,207.23		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,368.00	0.08	0.83	1,588.76	0.48
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	3,552,733.83	204.96	2,208.93		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	1,357.54	0.08	0.84	1,301.75	0.40
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2036	CO2	1,759,436.01	120.00	767.47		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2036	NOx	119.21	0.01	0.05	152.46	0.03
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2037	CO2	1,724,186.99	120.00	767.36		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2037	NOx	116.84	0.01	0.05	158.18	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2038	CO2	1,717,267.05	120.00	767.87		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2038	NOx	116.29	0.01	0.05	155.44	0.03
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	1,706,585.36	120.00	767.88		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	115.57	0.01	0.05	162.13	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	1,657,161.58	120.00	768.92		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	112.07	0.01	0.05	153.14	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2036	CO2	150,909.50	120.00	1,062.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2036	NOx	7.39	0.01	0.05	10.95	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2037	CO2	124,088.67	120.00	1,059.96		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2037	NOx	6.09	0.01	0.05	9.38	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2038	CO2	119,406.49	120.00	1,060.29		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2038	NOx	5.86	0.01	0.05	9.04	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	117,920.46	120.00	1,063.20		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	5.77	0.01	0.05	8.63	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	89,533.63	120.00	1,064.49		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	4.37	0.01	0.05	6.61	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	175,051.23	117.00	1,783.31		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	178.04	0.12	1.81	172.98	0.88
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,341.34	117.00	1,729.96		

DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.71	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	9,704.74	117.00	1,736.99		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	9.87	0.12	1.77	9.79	0.88
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	24,757.23	117.00	1,732.18		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	25.18	0.12	1.76	18.41	0.64
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	14,223.66	117.00	1,744.21		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	14.47	0.12	1.77	12.39	0.76
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	166,407.37	117.00	1,760.12		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	169.25	0.12	1.79	123.00	0.65
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	38,633.86	117.00	1,729.92		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	39.29	0.12	1.76	36.37	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	20,621.35	117.00	1,726.46		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	20.97	0.12	1.76	15.03	0.63
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	9,775.68	117.00	1,734.05		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	9.94	0.12	1.76	9.99	0.89
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	29,088.95	117.00	1,732.16		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	29.59	0.12	1.76	26.49	0.79
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	165,648.91	117.00	1,742.77		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	168.48	0.12	1.77	123.36	0.65
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	24,746.62	117.00	1,725.37		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	25.17	0.12	1.75	11.69	0.41
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	21,463.43	117.00	1,728.76		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	21.83	0.12	1.76	19.76	0.80
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	16,268.33	117.00	1,724.71		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	16.55	0.12	1.75	4.77	0.25
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	5,024.42	117.00	1,749.45		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	5.11	0.12	1.78	10.46	1.82
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	7,202.78	117.00	1,742.54		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	7.33	0.12	1.77	9.98	1.21
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	25,188.74	117.00	1,729.46		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	25.62	0.12	1.76	24.11	0.83
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	8,432.03	117.00	1,732.49		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	8.58	0.12	1.76	9.88	1.01
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	187,152.73	117.00	1,745.09		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	190.35	0.12	1.77	92.45	0.43
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,197.04	117.00	1,733.38		

DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	34.78	0.12	1.76	34.48	0.87
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,341.34	117.00	1,729.96		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.71	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	25,560.88	117.00	1,731.47		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	26.00	0.12	1.76	18.41	0.62
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	20,660.57	117.00	1,733.41		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	21.01	0.12	1.76	22.08	0.93
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	190,549.47	117.00	1,744.16		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	193.81	0.12	1.77	155.08	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	40,207.51	117.00	1,736.91		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	40.89	0.12	1.77	36.37	0.79
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	21,024.45	117.00	1,730.08		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	21.38	0.12	1.76	19.76	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	17,675.06	117.00	1,728.36		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	17.98	0.12	1.76	15.22	0.74
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	9,416.52	117.00	1,739.77		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	9.58	0.12	1.77	12.36	1.14
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	24,434.86	117.00	1,726.42		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	24.85	0.12	1.76	13.46	0.48
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	13,419.79	117.00	1,744.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	13.65	0.12	1.77	12.84	0.83
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	181,169.93	117.00	1,754.46		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	184.27	0.12	1.78	85.72	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	40,609.95	117.00	1,727.09		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	41.30	0.12	1.76	34.20	0.73
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	21,024.45	117.00	1,730.08		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	21.38	0.12	1.76	19.76	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	9,416.52	117.00	1,739.77		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	9.58	0.12	1.77	12.36	1.14
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	29,308.05	117.00	1,733.56		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	29.81	0.12	1.76	26.49	0.78
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	19,203.79	117.00	1,732.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	19.53	0.12	1.76	22.72	1.02
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	2036	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,349,302.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC '36 PC	0	2036	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	137,244.89

Scenario	RunID	Blk	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost (000)	Profitability (000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost (000)	Energy Market Cost (000)	Capacity Market Cost (000)
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2024	807.65	807.65	1,182.91		9.35	60.45	888.64	4,288.50	621.07	2,084.62	2,824.95	106,623.89	22,927.08	37.74	40.70	106,623.89		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2025	809.57	809.57	1,183.00		9.67	60.41	887.86	4,284.00	648.48	2,332.64	2,399.83	107,615.97	16,447.64	44.84	44.42	107,615.98		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2026	811.81	811.81	1,183.13		9.69	60.37	887.86	4,284.00	648.48	2,332.64	2,399.83	107,615.97	16,447.64	44.84	44.42	107,615.98		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2027	811.95	811.95	1,183.13		9.59	60.24	887.67	4,284.73	710.41	1,309.77	3,685.39	119,523.03	17,867.17	32.36	47.11	119,523.05		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2028	812.09	812.09	1,183.19		9.90	60.15	887.58	4,290.55	658.89	1,506.58	3,442.86	112,671.58	47,126.95	32.72	46.00	112,671.60		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2029	812.17	812.17	1,233.19		9.53	60.19	889.58	4,282.49	642.30	1,472.67	3,452.11	109,927.33	50,027.94	31.84	44.80	109,927.31		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2030	821.92	821.92	1,233.19		8.66	60.59	888.99	4,362.59	632.35	1,497.54	3,497.40	117,289.94	46,050.46	33.54	45.34	117,289.56		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2031	822.31	822.31	1,233.19		7.79	60.97	890.39	4,396.82	711.33	1,444.91	3,684.91	116,235.34	56,994.19	31.79	46.33	116,235.58		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2032	831.22	831.22	1,283.19		7.18	60.12	890.89	4,389.82	711.33	1,444.91	3,684.91	116,235.34	56,994.19	31.79	46.33	116,235.58		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2033	838.32	838.32	1,333.19		6.57	59.92	893.39	4,400.48	670.74	1,407.04	3,604.19	104,990.76	69,925.86	29.13	47.36	104,991.06		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2034	843.73	843.73	1,333.19		5.89	59.81	893.39	4,420.26	646.62	1,541.47	3,515.41	106,249.90	64,014.03	30.14	47.74	106,250.28		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2035	861.89	861.89	1,383.19		3.95	59.93	895.89	4,524.70	663.76	1,489.61	3,696.93	107,028.88	75,220.43	28.95	48.80	107,027.32		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2036	862.06	862.06	1,433.19		1.85	59.24	898.39	4,577.21	628.57	1,483.61	3,720.28	105,862.60	86,616.39	28.46	50.10	105,863.12		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2037	862.06	862.06	1,433.19		1.85	59.24	898.39	4,577.21	628.57	1,483.61	3,720.28	105,862.60	86,616.39	28.46	50.10	105,863.12		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2038	891.68	891.68	1,433.19		0.75	58.93	898.39	4,602.93	649.86	1,510.43	3,742.36	109,568.65	86,177.00	29.28	51.26	109,569.22		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2039	901.87	901.87	1,540.45		0.16	58.60	904.22	4,629.70	969.19	288.47	5,310.42	156,585.74	119,579.99	29.49	51.92	156,588.23		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Core	2040	909.62	909.62	1,540.45		-0.59	58.53	904.22	4,676.65	853.18	412.74	5,117.09	160,859.60	112,565.64	31.44	52.61	160,862.03	
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2024							0.00		1,000.00	1,000.00								45,010.40
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2025							0.00		2,353.64	448.48								66,252.62
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2026							0.00		1,690.86	568.20								49,513.27
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2027							0.00		1,106.58	710.41								31,188.91
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2028							0.00		1,506.58	658.89								21,579.36
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2029							0.00		1,472.67	642.30								31,188.91
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2030							0.00		1,497.54	632.35								34,474.72
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2031							0.00		1,469.80	727.03								27,569.77
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2032							0.00		1,469.80	727.03								27,569.77
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2033							0.00		1,467.04	670.74								33,478.12
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2034							0.00		1,541.47	646.62								40,766.77
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2035							0.00		1,489.61	661.76								38,555.00
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2036							0.00		1,513.45	615.73								41,209.93
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2037							0.00		1,513.45	615.73								41,209.93
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2038							0.00		1,510.43	649.86								46,187.47
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2039							0.00		288.47	969.19								-35,762.52
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	0	DSSY	KY Market	2040							0.00		412.74	853.18								-27,386.80

Scenario	Sales Value (000)	Purchase Cost (000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense (000)	Carrying Costs (000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	30,160.69	75,291.10	39.39	48.48	35.45	0.88	0.88	0.88	0.00	0.00	0.00	0.00					807.65	803.47	803.47							17.63		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	24,773.92	91,026.54	43.16	52.01	35.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00					809.57	808.57	808.57							17.60		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	24,773.92	91,026.54	43.16	52.01	35.45	0.55	0.55	0.55	0.00	0.00	0.00	0.00					809.57	808.57	808.57							17.60		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	32,732.73	57,575.18	45.93	54.30	38.59	0.55	0.55	0.55	0.00	0.00	0.00	0.00					811.95	808.22	808.22	29,989.47						17.60		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	28,841.39	66,420.69	44.78	53.38	37.33	0.50	0.50	0.50	0.00	0.00	0.00	0.00					812.09	808.36	808.36	56,257.78						17.63		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	26,583.18	59,871.73	43.67	51.98	36.43	0.47	0.47	0.47	0.00	0.00	0.00	0.00					812.17	794.75	794.75	41,568.15	10,343.07					112.20		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	28,902.29	61,377.01	44.22	52.28	37.19	0.40	0.40	0.40	0.00	0.00	0.00	0.00					821.92	815.51	815.51	51,470.89	10,123.05					112.20		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	31,139.49	63,399.65	45.84	51.97	39.43	0.32	0.32	0.32	0.00	0.00	0.00	0.00					831.22	787.92	787.92	59,282.28	18,172.13					219.93		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	31,139.49	63,399.65	45.84	51.97	39.43	0.32	0.32	0.32	0.00	0.00	0.00	0.00					831.22	787.92	787.92	59,282.28	18,172.13					219.93		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	31,235.07	64,711.19	46.36	52.79	40.75	0.28	0.28	0.28	0.00	0.00	0.00	0.00					838.32	808.83	808.83	66,219.77	23,646.40					327.95		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	29,831.31	70,598.08	46.77	53.02	41.37	0.27	0.27	0.27	0.00	0.00	0.00	0.00					843.73	812.04	812.04	143,921.58	23,974.20					328.43		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	31,178.93	69,733.01	47.87	53.92	42.59	0.20	0.20	0.20	0.00	0.00	0.00	0.00					861.89	829.87	829.87	261,525.98	33,063.06					438.23		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	31,148.41	67,978.42	48.16	54.64	44.33	0.20	0.20	0.20	0.00	0.00	0.00	0.00					862.06	825.17	825.17	389,397.97	42,308.01					545.68		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	32,700.69	72,888.16	50.36	55.53	45.83	0.19	0.19	0.19	0.00	0.00	0.00	0.00					891.68	832.22	832.22	305,521.77	61,057.34					544.66		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	46,960.94	11,198.42	51.07	56.00	46.72	0.20	0.20	0.20	0.00	0.00	0.00	0.00					901.87	857.23	857.23		170,016.42		4.20	1.39		2,487.11		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	44,567.03	17,182.21	51.80	56.37	47.84	0.22	0.22	0.22	0.00	0.00	0.00	0.00					909.62	867.36	867.36	13,790.38	174,544.67		7.38	1.39		2,403.73		
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	45,010.40	24,775.92	43.18	52.01	35.45							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	91,026.54	24,775.92	43.18	52.01	35.45							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	69,508.07	28,984.80	45.14	53.79	37.92							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	59,871.74	28,583.18	43.67	51.98	36.43							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	66,420.69	28,841.39	44.78	53.38	37.33							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	59,871.74	28,583.18	43.67	51.98	36.43							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	61,377.02	28,902.30	44.22	52.28	37.19							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	62,165.35	34,595.58	44.89	52.87	37.93							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	62,165.35	34,595.58	44.89	52.87	37.93							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	64,711.20	31,235.08	46.36	52.79	40.75							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	70,598.09	29,831.32	46.77	53.02	41.37							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	69,733.00	31,178.00	47.87	53.92	42.59							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	71,001.27	29,731.34	48.76	54.68	43.58							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	72,888.16	32,700.69	50.36	55.53	45.83							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	72,888.16	32,700.69	50.36	55.53	45.83							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	48,960.94	32,700.69	51.07	56.00	46.72							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	17,182.21	44,567.03	51.80	56.37	47.84							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	24,775.92	45,010.40	43.18	52.01	35.45							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	24,775.92	91,026.54	43.18	52.01	35.45							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	28,984.80	69,508.07	45.14	53.79	37.92							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	28,583.18	59,871.74	43.67	51.98	36.43							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	28,841.39	66,420.69	44.78	53.38	37.33							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	28,583.18	59,871.74	43.67	51.98	36.43							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	28,902.30	61,377.02	44.22	52.28	37.19							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	34,595.58	62,165.35	44.89	52.87	37.93							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	34,595.58	62,165.35	44.89	52.87	37.93							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	31,235.08	64,711.20	46.36	52.79	40.75							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	29,831.32	70,598.09	46.77	53.02	41.37							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	31,178.00	69,733.00	47.87	53.92	42.59							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	29,731.34	71,001.27	48.76	54.68	43.58							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	32,700.69	72,888.16	50.36	55.53	45.83							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	32,700.69	72,888.16	50.36	55.53	45.83							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	46,960.94	48,960.94	51.07	56.00	46.77							0.00																
DSSY 2014-IRP Core E&E DYO '30 - NG:CC Forced Solar from '29 - PC	17,182.21	44,567.00	51.80	56.37	47.84							0.00																

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,578.05	29.94	3,760.00	6.00		11,093.41	17,541,746.85	45,870.46	568.63	2.64	947.40	23,891.30	68,877.80	43.65		68,877.80		68,877.78								48.63	76,737.94			0.00	7,860.14			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,123.20	40.40	4,702.00	7.00		10,977.66	23,357,529.69	60,547.01	737.87	2.62	1,132.60	30,232.61	92,650.10	43.64	32,574.08	125,224.18	92,650.09									50.43	107,065.03			0.00	-18,159.15			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2026	1.00	600.00	498.96	67.87	3,059.30	57.19	5,789.00	10.00		10,785.82	32,492,193.25	70,439.70	1,168.37	2.20	1,658.00	44,215.57	117,481.64	39.08	76,066.69	193,548.33	117,481.65									49.28	148,134.93			0.00	-45,413.40			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2027	1.00	600.00	498.96	67.95	3,552.70	67.59	5,942.00	10.00		10,617.47	37,791,799.50	84,592.80	1,467.29	2.28	1,700.00	23,684.84	111,444.94	31.37		111,444.94	111,444.94									47.26	167,904.96			0.00	56,460.03			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,361.00	63.77	5,725.00	9.00		10,637.96	35,818,176.00	82,139.56	1,629.82	2.34	1,567.80	23,089.39	108,426.57	32.26		108,426.57	108,426.57									45.94	154,417.44			0.00	45,990.87			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,275.80	62.32	5,648.00	9.00		10,651.78	34,957,091.50	84,221.68	1,591.01	2.44	1,607.40	23,223.67	110,245.76	33.65		110,245.76	110,245.76									46.17	151,259.42			0.00	-41,013.67			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2030	1.00	600.00	498.96	66.03	3,195.40	60.80	5,619.00	9.00		10,781.32	34,514,634.21	84,207.40	1,483.87	2.48	1,647.90	23,405.60	110,744.77	34.66	113,334.69	224,079.46	110,744.78									45.94	146,795.77			0.00	-77,283.69			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2031	1.00	600.00	498.96	66.30	3,276.50	62.34	5,605.00	7.00		10,749.25	35,269,676.88	87,020.78	1,327.47	2.50	1,313.20	24,575.14	114,236.59	34.87	17,228.00	131,464.59	114,236.58									47.14	154,449.66			0.00	22,985.07			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,328.30	63.15	5,723.00	9.00		10,755.17	35,860,428.94	89,338.36	1,536.68	2.53	1,923.00	25,737.93	118,535.98	35.61	17,228.00	135,753.98	118,536.00									46.69	155,389.88			0.00	19,635.90			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2033	1.00	600.00	498.96	66.03	3,256.50	61.96	5,650.00	7.00		10,765.57	35,107,852.31	90,000.76	1,370.18	2.60	1,379.70	25,982.26	118,732.90	36.46	17,228.00	135,960.90	118,732.88									48.54	158,068.10			0.00	22,107.20			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2034	1.00	600.00	498.96	66.03	3,194.10	60.77	5,586.00	9.00		10,774.87	34,480,005.81	92,040.98	1,389.69	2.72	1,818.90	26,285.46	121,735.04	38.11	17,228.00	138,963.04	121,735.09									48.43	154,694.33			0.00	-15,731.89			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2035	1.00	600.00	498.96	66.30	3,258.70	62.00	5,677.00	9.00		10,770.35	35,161,315.25	97,446.77	1,349.65	2.81	1,863.90	27,613.69	128,274.01	39.36	109,478.00	237,752.01	128,274.01									49.57	161,518.63			0.00	-76,233.38			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2036	1.00	600.00	498.96	66.12	3,215.20	61.19	5,682.00	9.00		10,783.53	34,843,030.63	100,289.82	1,536.43	2.92	1,910.70	28,205.36	131,942.30	40.91	17,228.00	149,170.30	131,942.31									51.06	164,688.42			0.00	15,518.12			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2037	1.00	600.00	498.96	66.03	3,174.50	60.40	5,525.00	8.00		10,768.22	34,243,775.06	102,253.54	1,426.38	3.03	1,740.80	28,560.35	133,981.07	42.21	17,228.00	151,209.07	133,981.05									52.49	166,614.49			0.00	15,405.42			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2038	1.00	600.00	498.96	66.30	3,197.70	60.84	5,637.00	8.00		10,784.25	34,541,688.00	105,273.15	1,603.79	3.09	1,784.00	29,691.53	138,352.46	43.27	17,228.00	155,580.46	138,352.49									53.03	169,560.30			0.00	13,979.84			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Demand Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Cycle	New 1x1 CC DEK	2030	1.00	599.10	455.91	90.94	4,439.68	86.46			26.00	7,590.52	20.87	6,389.71	28,411,644.63	157,490.17	162.13	5.55		17,597.24	175,249.54	39.47	56,531.04	231,780.58	175,251.16	0.30			1,616.74				52.16	231,570.72	1.62			-208.24			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK	2040	1.00	599.10	455.91	91.03	4,296.16	83.43			32.00	7,349.94	28.25	6,394.27	27,529,549.00	164,462.82	151.95	5.98		17,454.07	182,068.84	42.38	57,944.31	240,013.16	182,070.44	0.67			1,583.09				53.85	231,545.80	1.58			-8,665.77			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DF	2039	1.00	64.80	46.37	90.91	215.77	40.23				1,644.52	461.38	8,848.28	1,909,395.63	10,572.14	8.63	5.54		416.40	10,997.17	50.97		10,997.17	10,997.19	3.90	1.39	215.40					59.61	12,862.89	10.34			1,876.06			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DF	2040	1.00	64.80	46.37	91.12	166.40	30.94				2,864.56	455.14	8,873.39	1,476,523.95	8,824.17	6.46	5.98		329.15	9,159.78	55.05		9,159.78	9,159.96	6.70	1.39	166.11					63.19	10,514.37	14.47			1,369.06			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2024	1.00	94.00	57.92	81.15	192.73	25.13			14.00	2,487.00	37.00	15,216.70	2,933,565.44	6,438.86	160.40	2.25	218.30	0.00	6,810.56	35.34		6,810.56	6,810.56								46.51	8,964.75				2,154.19			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2025	1.00	94.00	57.92	74.77	49.70	6.50				560.00	29.00	14,762.44	734,346.59	2,684.84	34.50	3.70	176.90	0.00	2,896.24	58.27		2,896.24	2,896.24								62.78	3,120.50				224.26			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2026	1.00	94.00	57.92	89.84	24.64	3.22				278.00	14.00	14,767.51	364,091.58	1,517.21	17.05	4.21	86.80	0.00	1,621.06	65.80		1,621.06	1,621.06								72.34	1,782.08				161.02			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2027	1.00	94.00	57.92	89.49	22.09	2.89				251.00	14.00	14,793.49	327,126.46	1,319.57	12.80	4.07	89.60	0.00	1,421.97	64.36		1,421.97	1,421.97								68.70	1,517.75				95.78			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2028	1.00	94.00	57.92	89.87	10.89	1.42			1.00	128.00	8.00	14,882.56	162,212.27	653.50	12.11	4.10	52.80	0.00	718.41	65.98		718.41	718.41								70.59	768.65				50.24			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2029	1.00	94.00	57.92	85.36	9.76	1.28			1.00	114.00	7.00	14,894.47	145,286.66	569.48	9.79	3.99	46.90	0.00	616.17	64.13		616.17	616.17								68.68	670.61				44.45			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2030	1.00	94.00	57.92	85.59	30.47	3.98				345.00	17.00	14,782.20	450,806.83	1,618.03	18.42	3.63	117.30	0.00	1,753.75	57.57		1,753.75	1,753.75								60.20	1,834.12				80.37			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2031	1.00	94.00	57.92	85.64	23.27	3.06				669.00	33.00	14,808.77	346,324.36	1,413.38	22.08	4.15	92.30	0.00	1,529.75	65.46		1,529.75	1,529.75								69.46	1,623.23				99.47			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2032	1.00	94.00	57.92	85.39	17.91	2.33			1.00	209.00	6.00	14,875.72	266,514.42	1,172.75	12.40	4.45	43.20	0.00	1,228.35	68.59		1,228.35	1,228.35								71.72	1,284.30				55.95			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2033	1.00	94.00	57.92	85.25	3.29	0.43				35.00	2.00	14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54		251.81	251.81								77.45	254.83				3.01			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2034	1.00	94.00	57.92	85.41																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2035	1.00	94.00	57.92	85.16																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2036	1.00	94.00	57.92	85.80																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2037	1.00	94.00	57.92	85.56																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2038	1.00	94.00	57.92	85.96																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2039	1.00	94.00	57.92	85.01																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2040	1.00	94.00	57.92	86.10																0.00																		0.00		0.00
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2024	1.00	94.00	67.62	87.76	206.38	26.65			18.00	2,543.00	38.00	15,066.30	3,110,128.14	5,889.68	121.70	1.93	224.20	0.00	6,235.58	30.21		6,235.58	6,235.58								41.78	8,623.03				2,387.46			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2025	1.00	94.00	67.62	72.97	42.03	5.44			1.00	477.00	26.00	14,782.41	621,900.70	2,250.47	36.37	3.68	158.60	0.00	2,445.44	58.18		2,445.44	2,445.44								63.04	2,649.60				-204.14			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2026	1.00	94.00	67.62	87.65	25.77	3.34				290.00	15.00	14,759.26	380,675.85	1,577.50	19.76	4.20	93.00	0.00	1,690.26	65.59		1,690.26	1,690.26								72.02	1,855.94				165.68			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2027	1.00	94.00	67.62	88.03	20.45	2.61			1.00	248.00	13.00	14,829.93	302,600.79	1,238.13	15.22	4.09	89.60	0.00	1,342.95	65.66		1,342.95	1,342.95								70.67	1,413.21				70.26			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2028	1.00	94.00	67.62	88.35	10.77	1.40			1.00	94.00	4.00	14,843.97	160,002.51	458.32	8.04	3.84	53.60	0.00	511.87	47.57		511.87	511.87								54.39	574.80				24.50			
DEKY 2024 IRP Core E82 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 2	2029	1.00	94.00	67.62	88.91	7.97	1.03				54.00	6.00	14,884.18	118

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,796,281.16	204.80	2,276.66		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	667.28	0.08	0.85	565.90	0.36
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,140.21	0.13	1.45	2.74	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,392,541.49	204.86	2,253.71		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	900.84	0.08	0.85	734.22	0.35
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,518.24	0.13	1.43	3.64	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,328,025.30	204.85	2,214.33		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,264.40	0.08	0.84	1,163.30	0.39
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,111.99	0.13	1.41	5.07	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,872,030.06	204.91	2,179.77		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,487.02	0.08	0.84	1,461.40	0.41
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,456.47	0.13	1.38	5.90	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,670,167.41	204.93	2,183.97		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,384.75	0.08	0.82	1,624.24	0.48
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,328.18	0.13	1.39	5.59	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,581,777.07	204.92	2,186.81		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,388.09	0.08	0.85	1,187.56	0.36
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,272.21	0.13	1.39	5.45	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,536,357.13	204.92	2,213.40		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,324.42	0.08	0.83	1,483.88	0.46
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,615,321.42	205.01	2,206.82		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,375.69	0.08	0.84	1,327.47	0.41
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	3,674,502.68	204.93	2,208.04		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,381.23	0.08	0.83	1,526.68	0.46
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	3,598,710.27	205.01	2,210.17		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,365.11	0.08	0.84	1,370.18	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	3,532,802.57	204.92	2,212.08		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,319.82	0.08	0.83	1,589.70	0.50
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	3,602,738.67	204.93	2,211.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	1,372.62	0.08	0.84	1,349.65	0.41
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	3,570,066.97	204.92	2,213.86		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	1,343.90	0.08	0.83	1,536.42	0.48
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	3,509,283.08	204.96	2,210.92		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	1,332.33	0.08	0.84	1,426.38	0.45
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	3,539,863.88	204.96	2,214.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	1,330.91	0.08	0.83	1,603.79	0.50
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	1,704,698.95	120.00	767.94		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	115.43	0.01	0.05	162.13	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	1,651,773.11	120.00	768.95		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	111.70	0.01	0.05	151.95	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	114,563.73	120.00	1,061.91		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	5.61	0.01	0.05	8.63	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	88,591.43	120.00	1,064.81		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	4.33	0.01	0.05	6.46	0.04
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	171,613.51	117.00	1,780.82		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	174.55	0.12	1.81	163.40	0.85
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,959.27	117.00	1,728.64		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.69	0.12	1.76	34.50	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	24,917.96	117.00	1,732.04		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	25.34	0.12	1.76	18.41	0.64
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	17,150.57	117.00	1,727.32		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	17.44	0.12	1.76	13.37	0.67
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	15,591.09	117.00	1,741.28		

DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	181,942.43	117.00	1,763.21		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	185.05	0.12	1.79	121.70	0.59
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	36,381.19	117.00	1,731.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	37.00	0.12	1.76	36.37	0.87
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,269.53	117.00	1,728.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.65	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	17,675.06	117.00	1,728.36		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	17.98	0.12	1.76	15.22	0.74
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,477.09	117.00	1,736.69		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.64	0.12	1.77	12.36	1.13
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	6,945.30	117.00	1,743.30		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	7.06	0.12	1.77	12.24	1.54
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	29,249.68	117.00	1,732.03		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	29.75	0.12	1.76	26.49	0.78
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	20,420.44	117.00	1,730.84		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	20.77	0.12	1.76	22.52	0.95
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	162,647.65	117.00	1,735.83		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	165.43	0.12	1.77	146.25	0.78
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	29,030.97	117.00	1,729.81		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	29.53	0.12	1.76	23.73	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	19,534.67	117.00	1,730.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	19.87	0.12	1.76	19.76	0.88
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	13,634.57	117.00	1,731.59		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	13.87	0.12	1.76	15.22	0.97
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	8,290.18	117.00	1,743.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	8.43	0.12	1.77	12.35	1.30
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	26,195.78	117.00	1,730.41		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	26.64	0.12	1.76	26.48	0.87
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	14,991.69	117.00	1,719.63		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	15.25	0.12	1.75	7.33	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	189,254.99	117.00	1,738.10		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	192.49	0.12	1.77	92.39	0.42
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,197.04	117.00	1,733.38		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	34.78	0.12	1.76	34.48	0.87
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,299.35	117.00	1,729.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.66	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	17,849.83	117.00	1,733.92		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	18.15	0.12	1.76	12.79	0.62
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	26,365.76	117.00	1,730.89		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	26.82	0.12	1.76	18.42	0.60
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	184,922.91	117.00	1,741.68		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	188.08	0.12	1.77	155.75	0.73
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	40,274.00	117.00	1,737.02		

DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	40.96	0.12	1.77	36.37	0.78
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	19,534.67	117.00	1,730.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	19.87	0.12	1.76	19.76	0.88
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	28,332.95	117.00	1,731.05		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	28.82	0.12	1.76	23.92	0.73
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	15,252.44	117.00	1,730.97		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	15.51	0.12	1.76	12.84	0.73
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	186,738.05	117.00	1,756.04		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	189.93	0.12	1.79	85.16	0.40
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	41,385.83	117.00	1,727.76		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	42.09	0.12	1.76	36.38	0.76
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	20,982.47	117.00	1,729.30		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	21.34	0.12	1.76	19.76	0.81
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	10,583.97	117.00	1,734.65		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	10.76	0.12	1.76	12.25	1.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	29,249.68	117.00	1,732.03		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	29.75	0.12	1.76	26.49	0.78
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	20,050.10	117.00	1,733.54		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	20.39	0.12	1.76	25.09	1.08
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 DFO '30 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2029	DEKY	KY Core	Proj New F	1.00	1.00	50.00	95,170.49
DEKY 2024	0	2031	DEKY	KY Core	Proj New S	1.00	1.00	50.00	106,955.73
DEKY 2024	0	2033	DEKY	KY Core	Proj New S	1.00	2.00	100.00	105,808.52
DEKY 2024	0	2035	DEKY	KY Core	Proj New S	1.00	3.00	150.00	108,372.84
DEKY 2024	0	2037	DEKY	KY Core	Proj New S	1.00	4.00	200.00	110,849.59
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,418,111.25
DEKY 2024	0	2039	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	144,243.84
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	1.00	5.00	250.00	113,388.73

Scenario	PortID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	LOLH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2024	807.65	807.65	1,182.93		9.95	60.45	888.04	4,288.50	440.17	1,881.98		2,846.69	107,546.02	23,382.26	37.78	40.70	107,546.02			22,085.80	65,718.87	39.39		48.48	31.45	0.88	0.88	0.88	0.00	0.00	0.00	0.00					807.65	803.47	803.47									17.63
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2025	811.95	811.95	1,183.13		9.53	60.24	887.67	4,284.75	687.98	1,349.29		2,637.05	125,597.04	47.63	39.48	46.61	125,597.07			28,528.59	66,172.90	45.34		53.79	37.92	0.54	0.54	0.54	0.00	0.00	0.00	0.00					812.10	808.47	808.47									17.60
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2026	812.20	812.20	1,183.06		9.58	60.30	887.77	4,290.62	566.98	1,579.32		2,287.29	129,787.04	33.134.26	39.48	46.61	129,787.07			28,528.59	66,172.90	45.34		53.79	37.92	0.54	0.54	0.54	0.00	0.00	0.00	0.00					812.20	808.47	808.47									17.60
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2027	811.95	811.95	1,183.13		9.53	60.24	887.67	4,284.75	687.98	1,349.29		1,623.42	117,336.50	56,941.68	32.38	47.11	117,336.51			31,710.09	59,264.57	45.93		54.30	38.59	0.55	0.55	0.55	0.00	0.00	0.00	0.00					811.95	808.22	808.22	29,989.47								17.60
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2028	812.09	812.09	1,183.19		9.30	60.15	887.58	4,290.55	658.36	1,422.07		1,526.84	115,131.42	49,798.00	32.64	46.00	115,131.43			28,513.55	61,053.94	44.78		53.38	37.33	0.50	0.50	0.50	0.00	0.00	0.00	0.00					812.09	808.36	808.36	96,048.20								17.63
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2029	812.17	812.17	1,233.19		9.53	60.19	889.58	4,292.49	595.16	1,387.71		3,489.93	110,636.26	50,979.80	31.70	44.80	110,636.27			26,423.68	56,681.28	43.67		51.98	36.43	0.47	0.47	0.47	0.00	0.00	0.00	0.00					812.17	794.71	794.71	48,619.03	33,343.07							112.20
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2030	827.36	827.36	1,283.19		7.61	60.30	891.99	4,375.05	689.97	1,497.24		3,562.77	111,212.57	40,980.51	31.22	46.08	111,212.77			33,612.63	62,601.08	44.89		52.87	37.93	0.57	0.57	0.57	0.00	0.00	0.00	0.00					827.36	820.95	820.95	127,965.16	20,030.42							118.46
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2031	831.22	831.22	1,283.19		7.18	60.52	890.89	4,389.82	692.53	1,438.02		3,644.33	113,863.73	59,697.62	31.24	46.33	113,863.94			32,852.65	62,682.63	45.30		51.97	39.43	0.52	0.52	0.52	0.00	0.00	0.00	0.00					831.22	787.92	787.92	259,307.96	18,172.15							118.90
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2032	831.22	838.52	1,283.19		6.57	59.92	891.39	4,400.48	692.85	1,407.28		3,686.06	107,561.55	46,501.39	29.18	47.36	107,561.89			31,344.55	65,674.34	46.36		52.79	40.75	0.28	0.28	0.28	0.00	0.00	0.00	0.00					838.52	808.83	808.83	366,166.51	23,646.40							107.81
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2033	843.73	843.73	1,333.19		5.89	59.81	893.39	4,420.26	662.64	1,464.38		3,618.51	106,692.85	43,775.11	30.04	47.74	106,693.15			30,764.09	67,326.65	46.77		53.02	41.37	0.27	0.27	0.27	0.00	0.00	0.00	0.00					843.73	812.04	812.04	393,979.97	21,974.20							107.27
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2034	857.04	857.04	1,333.19		5.42	59.70	894.70	4,440.04	662.64	1,521.78		3,618.51	106,692.85	43,775.11	30.04	47.74	106,693.15			30,764.09	67,326.65	46.77		53.02	41.37	0.27	0.27	0.27	0.00	0.00	0.00	0.00					857.04	821.27	821.27	56,332.09	147,250.50							107.27
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2035	872.04	872.04	1,445.45		3.12	59.54	898.22	4,560.76	917.75	195.54		5,282.97	102,404.28	110,683.68	28.86	49.77	102,406.57			44,196.20	8,248.27	46.76		54.68	43.58	0.20	0.20	0.20	0.00	0.00	0.00	0.00					872.04	811.27	811.27	56,332.09	147,250.50	2.53	0.54	2,403.74	
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2036	882.06	882.06	1,490.45		2.23	59.24	901.72	4,577.21	915.22	243.04		5,249.40	149,081.17	113,183.93	28.40	50.10	149,083.57			44,270.46	11,319.94	49.16		54.64	44.35	0.20	0.20	0.20	0.00	0.00	0.00	0.00					882.06	825.17	825.17	31,132.77	157,735.70	5.00	0.97	2,399.45	
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2037	891.68	891.68	1,490.45		1.13	58.93	901.72	4,602.91	879.37	262.30		5,210.00	154,537.99	112,700.04	29.60	51.26	154,510.39			43,655.13	12,392.54	50.56		55.53	45.83	0.19	0.19	0.19	0.00	0.00	0.00	0.00					891.68	832.22	832.22	31,874.59	161,136.46	5.05	1.32	2,396.19	
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2038	901.87	901.87	1,540.45		0.26	58.60	904.22	4,629.70	957.72	275.73		5,311.69	156,542.06	119,489.72	29.47	51.92	156,544.56			48,138.89	12,510.31	51.07		56.00	46.77	0.20	0.20	0.20	0.00	0.00	0.00	0.00					901.87	857.23	857.23	179,616.42		4.20	1.39	2,488.39	
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Core		2039	909.62	909.62	1,540.45		-0.59	58.53	904.22	4,674.65	957.72	275.73		5,311.69	160,760.43	111,148.00	31.39	52.61	160,762.86			48,138.89	12,510.31	51.07		56.00	46.77	0.22	0.22	0.22	0.00	0.00	0.00	0.00					909.62	867.36	867.36	13,790.38	174,044.87	7.26	1.39	2,407.74	
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2024									0.00	1,883.98	440.17	0.00	-14.00					43,610.37		65,718.87	22,085.80	39.39		48.48	31.45																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2025									0.00	2,196.75	416.14	0.00	0.00					65,425.49		88,402.91	22,977.42	43.16		52.01	35.45																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2026									0.00	1,570.52	566.98	0.00	0.00					37,644.31		46,172.90	28,528.60	45.34		53.79	37.92																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2027									0.00	1,349.29	687.98	0.00	0.00					27,554.48		59,264.57	31,710.09	45.93		54.30	38.59																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2028									0.00	1,422.07	658.36	0.00	0.00					28,513.55		61,053.94	32,540.39	44.78		53.38	37.33																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2029									0.00	1,387.71	595.16	0.00	0.00					30,237.60		56,681.28	26,423.68	43.67		51.98	36.43																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2030									0.00	1,579.48	692.44	0.00	0.00					29,047.66		57,224.79	28,177.12	44.22		52.28	37.19																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2031									0.00	1,497.24	689.97	0.00	0.00					29,178.45		62,601.08	33,422.63	44.89		52.87	37.93																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2032									0.00	1,438.02	692.53	0.00	0.00					29,629.98		62,682.63	32,852.64	45.30		51.97	39.43																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2033									0.00	1,464.38	662.64	0.00	0.00					30,764.09		67,326.65	36,562.56	46.77		53.02	41.37																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2034									0.00	1,464.38	662.64	0.00	0.00					30,764.09		67,326.65	36,562.56	46.77		53.02	41.37																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2035									0.00	1,622.19	611.46	0.00	0.00					31,577.63		46,476.18	28,898.56	47.87		53.92	42.59																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2036									0.00	1,622.19	915.22	0.00	0.00					32,902.51		13,259.94	46,170.45	48.16		54.64	44.35																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2037									0.00	1,622.19	915.22	0.00	0.00					32,902.51		13,259.94	46,170.45	48.16		54.64	44.35																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2038									0.00	262.30	879.37	0.00	0.00					15,262.79		12,392.54	43,655.33	50.36		55.53	45.83																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2039									0.00	275.73	957.72	0.00	0.00					15,628.58		12,510.31	48,138.90	51.07		56.00	46.77																								
DSEM 2024 IRP Core E&E Retire by '36 -NG EC Forced Solar from '29 - PC	0 DSEM	KY Market		2040									0.00	409.99	954.48	0.00	0.00					-27,856.57		16,790.47	44,647.05	51.80		56.37	47.84																								

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2024	1.00	600.00	498.96	63.11	1,620.90	30.75				3,181.00	6.00		10,778.26	17,513,143.59	45,903.79	550.19	2.65	947.40	21,931.54	69,332.92	42.77		69,332.92	69,332.91								48.86	79,189.97				9,857.05			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,226.30	42.38				4,393.00	8.00		10,784.24	24,065,833.63	62,480.02	949.20	2.64	1,294.44	31,418.58	94,142.80	43.19	37,196.83	133,339.63	133,339.63								48.46	107,897.49				-25,442.14			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2026	1.00	600.00	498.96	67.95	3,128.70	59.53				5,683.00	7.00		10,696.94	33,517,282.13	72,405.84	1,096.73	2.19	1,160.60	45,837.65	120,500.82	38.51	76,066.69	196,567.50	120,500.83								48.35	151,271.76				-45,295.74			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2027	1.00	600.00	498.96	67.67	3,473.70	66.09				5,795.00	9.00		10,614.46	36,935,435.50	82,613.60	1,570.64	2.28	1,530.00	25,149.96	108,864.20	31.34		108,864.20	108,864.22								47.33	164,398.15				55,533.94			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,447.90	65.42				5,787.00	10.00		10,620.12	36,688,199.75	84,326.81	1,421.12	2.34	1,742.00	23,637.69	111,127.62	32.23		111,127.62	111,127.61								46.32	159,715.12				48,587.51			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,316.50	63.12				5,690.00	7.00		10,640.85	35,340,162.31	84,855.39	1,379.22	2.44	1,250.20	23,495.87	110,980.67	33.46		110,980.67	110,980.67								45.90	152,301.16				41,320.49			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2030	1.00	600.00	498.96	66.30	3,280.80	62.42				5,657.00	9.00		10,645.65	34,990,229.50	85,448.03	1,473.14	2.48	1,647.90	23,964.50	112,533.58	34.30		112,533.58	112,533.57								46.36	152,114.08				39,580.50			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2031	1.00	600.00	498.96	66.30	3,205.80	60.99				5,430.00	9.00		10,628.69	34,137,429.13	84,472.46	1,363.26	2.51	1,688.40	24,011.94	111,536.06	34.79		111,536.06	111,536.05								47.56	152,460.40				40,924.34			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2032	1.00	600.00	498.96	66.12	3,330.30	63.19				5,665.00	7.00		10,632.72	35,459,908.59	88,203.67	1,478.68	2.53	1,538.40	25,715.07	116,935.82	35.11		116,935.82	116,935.81								47.04	156,643.62				39,707.80			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2033	1.00	600.00	498.96	66.03	3,340.20	63.55				5,733.00	9.00		10,641.24	35,607,871.63	91,499.26	1,542.69	2.61	1,773.90	26,610.24	121,426.09	36.35		121,426.09	121,426.10								47.11	157,334.92				35,928.83			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2034	1.00	600.00	498.96	66.30	3,287.40	62.55				5,581.00	10.00		10,630.85	35,018,956.88	93,578.90	1,504.42	2.72	2,021.00	26,942.95	124,047.27	37.73		124,047.27	124,047.25								48.33	158,893.78				34,864.63			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Coal Conventional	East Bend 2	2035	1.00	600.00	498.96	66.30	3,277.50	62.36				5,576.00	9.00		10,633.86	34,913,174.38	96,768.04	1,506.64	2.81	1,863.90	27,683.11	127,821.70	39.00		127,821.70	127,821.69								49.61	162,586.33				34,764.63			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PM DSK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2024	1.00	9.63	0.07	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Demand Response	DSM PS DSK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK	2036	1.00	599.10	455.91	91.04	4,562.72	88.61			8.00	7,779.04	11.94		6,390.54	29,183,079.63	144,509.85	148.17	4.96		16,793.67	161,451.69	35.38	52,494.70	213,946.39	161,453.37		0.26		1,683.96				49.65	226,525.48	1.68			12,580.77			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK	2037	1.00	599.10	455.91	90.92	4,476.68	87.18			9.00	7,645.02	15.67		6,387.72	28,628,362.38	149,273.54	158.18	5.22		16,888.91	166,320.63	37.15	53,807.06	220,127.69	166,322.25		0.80		1,627.12				49.91	223,424.37	1.63			3,298.31			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK	2038	1.00	599.10	455.91	90.98	4,453.63	86.71			17.00	7,607.95	19.55		6,390.46	28,495,048.00	150,007.06	153.81	5.45		17,218.13	172,379.00	38.71	55,152.23	227,531.23	172,380.63		0.88		1,629.19				51.22	228,053.78	1.63			524.17			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK	2039	1.00	599.10	455.91	90.94	4,439.68	86.46			23.00	7,590.52	19.87		6,389.71	28,409,564.63	157,434.88	162.13	5.55		17,597.24	175,194.25	39.46	56,531.04	231,725.29	175,195.87		0.30		1,616.74				52.13	231,426.56	1.62			-297.11			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK	2040	1.00	599.10	455.91	91.03	4,256.16	83.43			32.00	7,349.94	28.25		6,394.27	27,529,549.00	164,489.55	151.95	5.98		17,654.67	182,095.57	42.39	57,944.31	240,039.88	182,097.17		0.67		1,581.09				53.90	213,578.60	1.58			-6,459.70			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DF	2036	1.00	64.80	46.37	91.14	282.31	52.49				4,695.18	408.40		8,851.46	2,498,819.59	12,290.80	10.65	4.92		505.91	12,807.37	45.37		12,807.37	12,807.65		2.28	0.54	281.84				55.15	15,568.68	4.77			2,766.09			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DF	2037	1.00	64.80	46.37	90.86	228.28	42.56				3,866.69	430.32		8,823.51	2,013,996.87	10,384.22	9.38	5.16		419.32	10,813.02	47.37		10,813.02	10,813.25		4.19	0.97	227.89				56.97	13,066.02	8.96			2,201.96			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DF	2038	1.00	64.80	46.37	91.03	221.24	41.25				3,741.55	443.28		8,839.45	1,955,663.09	10,567.55	8.72	5.41		416.55	10,992.82	49.69		10,992.82	10,993.05		4.18	1.32	220.87				58.28	12,895.04	10.50			1,912.72			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DF	2039	1.00	64.80	46.37	90.91	216.55	40.38				3,655.52	460.38		8,850.68	1,916,580.60	10,609.38	8.63	5.54		417.90	11,035.91	50.96		11,035.91	11,036.13		3.90	1.39	216.18				59.52	12,889.88	10.35			1,864.32			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combined Cycle	New 1x1 CC DEK DF	2040	1.00	64.80	46.37	91.12	167.34	31.11				2,878.56	455.14		8,872.02	1,484,626.75	8,871.24	6.54	5.98		331.01	9,208.79	55.03		9,208.79	9,208.97		6.59	1.39	167.05				63.19	10,573.35	14.14			1,378.70			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2024	1.00	50.00	57.92	55.11	189.43	24.70			15.00	2,452.00	31.00		15,230.17	2,885,368.47	9,290.61	152.74	2.23		0.00	6,626.25	34.98		6,626.25	6,626.25								46.08	8,727.14				2,101.08			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2025	1.00	50.00	57.92	74.17	44.44	5.81				504.00	28.00		14,779.97	657,395.10	2,391.91	34.49	3.69		170.80	2,597.20	58.44		2,597.20	2,597.20								62.92	2,796.01				198.80			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2026	1.00	50.00	57.92	89.84	23.81	3.11			1.00	268.00	13.00		14,761.44	351,810.88	1,475.62	14.92	4.24		80.60	1,571.14	65.97		1,571.14	1,571.14								72.66	1,730.43				159.29			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2027	1.00	50.00	57.92	89.49	20.49	2.68				234.00	13.00		14,807.44	303,751.54	1,216.60	12.79	4.05		83.20	1,312.59	64.04		1,312.59	1,312.59								68.41	1,402.09				89.50			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2028	1.00	50.00	57.92	89.82	6.37	0.83			1.00	79.00	6.00		15,030.99	95,891.47	397.57	13.10	3.65		39.00	389.27	61.10		389.27	389.27								65.52	417.41				28.14			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2029	1.00	50.00	57.92	85.71	9.76	1.28			1.00	114.00	7.00		14,864.67	145,286.66	569.48	9.79	3.99		46.90	626.17	64.13		626.17	626.17								68.68	670.61				44.45			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2030	1.00	50.00	57.92	85.55	28.77	3.76				327.00	36.00		14,792.07	425,968.15	1,505.62	18.41	3.58		110.40	1,634.43	56.80		1,634.43	1,634.43								59.59	1,714.53				80.10			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2031	1.00	50.00	57.92	85.86	23.37	3.06				268.00	13.00		14,808.77	346,324.36	1,415.38	22.08	4.15		92.30	1,529.75	65.46		1,529.75	1,529.75								69.46	1,623.23				93.47			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2032	1.00	50.00	57.92	85.55	17.91	2.33			1.00	209.00	6.00		14,875.72	266,514.42	1,172.75	12.40	4.45		43.20	1,228.35	68.59		1,228.35	1,228.35								71.72	1,284.30				55.95			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2033	1.00	50.00	57.92	85.33	3.29	0.43				35.00	2.00		14,614.46	48,123.58	237.01	0.01	4.93		14.80	251.81	76.54		251.81	251.81								77.45	254.83				3.01			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2034	1.00	50.00	57.92	84.66																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2035	1.00	50.00	57.92	85.76																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2036	1.00	50.00	57.92	86.16																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2037	1.00	50.00	57.92	85.86																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2038	1.00	50.00	57.92	85.01																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2039	1.00	50.00	57.92	84.20																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Gas/Oil Combustion Turbine	Woodside 1	2040	1.00	50.00	57.92	86.00																																				
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Renewable Solar PV	Woodside 2	2024	1.00	50.00	67.62	87.76	199.30	25.74			12.00	2,461.00	37.00		15,073.73	3,004,928.21	5,861.20	117.00	1.99	218.30	0.00	6,196.50	31.09		6,196.50	6,196.50								41.60	8,291.12				2,094.62			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Renewable Solar PV	Woodside 2	2025	1.00	50.00	67.62	72.42	39.54	5.12				449.00	26.00		14,782.47	585,059.64	2,113.57	36.36	3.67	158.60	0.00	2,308.53	58.38		2,308.53	2,308.53								63.34	2,504.70				196.17			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Renewable Solar PV	Woodside 2	2026	1.00	50.00	67.62	87.76	18.96	2.46				215.00	11.00		14,777.14	280,464.66	1,140.01	17.58	4.13	68.20	0.00	1,225.79	64.64		1,225.79	1,225.79								71.02	1,346.73				120.84			
DEKY 2024 IRP Core E82 Retire by '36 - NS ECZ Forced Solar Flor '29 - PC	0	DEKY	KY Core	Renewable Solar PV	Woodside 2	2027	1.00	50.00	67.62	87.89	23.10	2.99				262.00	15.00		14,787.39	341,977.55	1,370.25	15.23	4.05	96.00	0.00	1,481.48	64.12		1,481.48	1,481.48							

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,797,723.99	205.30	2,218.18		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	690.49	0.08	0.85	547.46	0.34
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	1,138.35	0.13	1.40	2.73	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,470,357.21	205.30	2,219.25		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	928.49	0.08	0.83	945.44	0.42
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,564.28	0.13	1.41	3.75	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,440,548.85	205.30	2,199.35		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,327.01	0.08	0.85	1,091.50	0.35
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,178.62	0.13	1.39	5.23	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,791,422.75	205.30	2,182.93		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,441.53	0.08	0.83	1,564.88	0.45
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,400.80	0.13	1.38	5.76	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,766,044.01	205.30	2,184.54		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,443.39	0.08	0.84	1,415.40	0.41
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,384.73	0.13	1.38	5.72	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,627,667.96	205.30	2,187.65		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,389.75	0.08	0.84	1,373.71	0.41
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,297.11	0.13	1.39	5.51	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,591,747.42	205.30	2,189.56		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,364.90	0.08	0.83	1,467.69	0.45
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	2,274.37	0.13	1.39	5.46	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,504,207.38	205.30	2,186.17		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,340.63	0.08	0.84	1,357.94	0.42
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	2,218.93	0.13	1.38	5.33	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	3,639,959.76	205.30	2,185.97		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,387.01	0.08	0.83	1,473.15	0.44
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	2,304.89	0.13	1.38	5.53	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	3,655,148.16	205.30	2,188.58		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,388.46	0.08	0.83	1,537.04	0.46
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	2,314.51	0.13	1.39	5.65	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	3,594,696.14	205.30	2,186.95		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,370.38	0.08	0.83	1,498.78	0.46
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	2,276.23	0.13	1.38	5.65	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	3,583,837.73	205.30	2,186.93		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	1,368.24	0.08	0.83	1,500.91	0.46
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	2,269.36	0.13	1.38	5.72	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2036	CO2	1,750,985.03	120.00	767.52		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2036	NOx	118.63	0.01	0.05	148.17	0.03
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2037	CO2	1,717,702.04	120.00	767.40		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2037	NOx	116.39	0.01	0.05	158.18	0.04
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2038	CO2	1,709,703.01	120.00	767.95		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2038	NOx	115.77	0.01	0.05	153.81	0.03
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	CO2	1,704,574.16	120.00	767.88		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2039	NOx	115.43	0.01	0.05	162.13	0.04
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	CO2	1,651,773.10	120.00	768.95		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK	2040	NOx	111.70	0.01	0.05	151.95	0.04
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2036	CO2	149,929.17	120.00	1,062.18		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2036	NOx	7.34	0.01	0.05	10.65	0.04
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2037	CO2	120,839.81	120.00	1,058.70		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2037	NOx	5.94	0.01	0.05	9.38	0.04
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2038	CO2	117,339.78	120.00	1,060.73		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2038	NOx	5.75	0.01	0.05	8.72	0.04
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	CO2	114,994.83	120.00	1,062.08		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2039	NOx	5.63	0.01	0.05	8.63	0.04
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	CO2	89,077.60	120.00	1,064.64		

DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combined Cycle	New 1x1 CC DEK DF	2040	NOx	4.35	0.01	0.05	6.54	0.04
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	168,794.00	117.00	1,782.35		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	171.68	0.12	1.81	152.74	0.81
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	38,457.60	117.00	1,730.80		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	39.12	0.12	1.76	34.49	0.78
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	20,580.93	117.00	1,728.43		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	20.93	0.12	1.76	14.92	0.63
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	17,769.46	117.00	1,734.03		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	18.07	0.12	1.76	12.79	0.62
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	5,609.65	117.00	1,760.94		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	5.71	0.12	1.79	12.10	1.90
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	24,917.96	117.00	1,732.04		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	25.34	0.12	1.76	18.41	0.64
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	175,788.24	117.00	1,764.08		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	178.79	0.12	1.79	117.00	0.59
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	34,225.99	117.00	1,731.16		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	34.81	0.12	1.76	36.36	0.92
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	16,407.18	117.00	1,730.35		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	16.69	0.12	1.76	17.58	0.93
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	9,416.52	117.00	1,739.77		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	9.58	0.12	1.77	12.36	1.14
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	29,249.68	117.00	1,732.03		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	29.75	0.12	1.76	26.49	0.78
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	18,121.35	117.00	1,736.09		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	18.43	0.12	1.77	25.08	1.20
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	11,170.39	117.00	1,729.75		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	11.36	0.12	1.76	0.02	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	174,047.15	117.00	1,784.98		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	177.02	0.12	1.82	180.42	0.93
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	33,920.52	117.00	1,733.20		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	34.50	0.12	1.76	36.36	0.93
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	22,311.52	117.00	1,729.00		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	22.69	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	17,510.25	117.00	1,731.37		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	17.81	0.12	1.76	12.07	0.60
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	8,049.09	117.00	1,744.68		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	8.19	0.12	1.77	12.35	1.34
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	28,332.95	117.00	1,731.05		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	28.82	0.12	1.76	23.92	0.73
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	21,337.17	117.00	1,732.19		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	21.70	0.12	1.76	25.09	1.02
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	8,742.47	117.00	1,719.77		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	8.89	0.12	1.75	0.02	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	186,962.71	117.00	1,744.64		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	190.16	0.12	1.77	91.09	0.43
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,197.04	117.00	1,733.38		

DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	34.78	0.12	1.76	34.48	0.87
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,341.34	117.00	1,729.96		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.71	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	26,365.76	117.00	1,730.89		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	26.82	0.12	1.76	18.42	0.60
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	20,259.97	117.00	1,733.99		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	20.61	0.12	1.76	22.08	0.94
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	179,582.16	117.00	1,767.45		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	182.65	0.12	1.80	184.92	0.91
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	41,032.33	117.00	1,736.05		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	41.73	0.12	1.77	36.37	0.77
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	20,248.56	117.00	1,728.83		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	20.59	0.12	1.76	17.59	0.75
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	9,416.52	117.00	1,739.77		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	9.58	0.12	1.77	12.36	1.14
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	28,605.53	117.00	1,732.46		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	29.09	0.12	1.76	26.49	0.80
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	20,050.10	117.00	1,733.54		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	20.39	0.12	1.76	25.09	1.08
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	182,091.03	117.00	1,760.16		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	185.20	0.12	1.79	124.96	0.60
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	42,989.11	117.00	1,732.15		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	43.72	0.12	1.76	36.38	0.73
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	21,024.45	117.00	1,730.08		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	21.38	0.12	1.76	19.76	0.81
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	9,416.52	117.00	1,739.77		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	9.58	0.12	1.77	12.36	1.14
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	29,249.68	117.00	1,732.03		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	29.75	0.12	1.76	26.49	0.78
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	20,050.10	117.00	1,733.54		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	20.39	0.12	1.76	25.09	1.08
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 Retire by '36 - NS CC Forced Solar from '29 - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Capacity	Installed Cost
DEKY 2024	0	2029	DEKY	KY Core	Proj New F	1.00	1.00	50.00	95,170.49
DEKY 2024	0	2031	DEKY	KY Core	Proj New S	1.00	1.00	50.00	106,955.73
DEKY 2024	0	2033	DEKY	KY Core	Proj New S	1.00	2.00	100.00	105,808.52
DEKY 2024	0	2035	DEKY	KY Core	Proj New S	1.00	3.00	150.00	108,372.84
DEKY 2024	0	2036	DEKY	KY Core	Proj New 1	1.00	1.00	599.10	1,349,302.00
DEKY 2024	0	2036	DEKY	KY Core	Proj New 1	1.00	1.00	64.80	137,244.89
DEKY 2024	0	2037	DEKY	KY Core	Proj New S	1.00	4.00	200.00	110,849.59
DEKY 2024	0	2039	DEKY	KY Core	Proj New S	1.00	5.00	250.00	113,388.73

Scenario	RunID	BA	Area	Year	Peak (MW)	Coincident Peak (MW)	Capacity (MW)	Net Capacity Imports (MW)	Reserve Margin (%)	Load Factor (%)	Firm Capacity (MW)	Energy (GWh)	Sales (GWh)	Purchases (GWh)	Net Generation (GWh)	Total Production Cost ($000)	Profitability ($000)	Average Production Cost ($/MWh)	Load Wt Price ($/MWh)	Optimized Production Cost ($000)	Energy Market Cost ($000)	Capacity Market Cost ($000)
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2024	807.65	807.65	1,183.19		9.95	66.45	888.64	4,288.50	377.49	2,118.46	2,555.49	95,495.02	20,114.88	37.37	40.79	95,495.02		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2025	809.57	809.57	1,183.00		9.67	66.41	887.86	4,284.00	429.64	2,107.84	2,605.80	116,352.81	12,017.16	44.65	44.42	116,352.82		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2026	812.20	812.20	1,183.06		9.30	66.30	887.77	4,290.62	529.90	1,550.75	3,269.77	130,919.75	30,650.48	39.86	46.61	130,919.77		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2027	811.95	811.95	1,183.13		9.33	66.24	887.67	4,284.73	738.39	1,155.64	3,687.48	118,734.77	35,158.84	32.20	47.51	118,734.80		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2028	811.69	811.69	1,183.19		9.34	66.19	887.58	4,279.84	583.64	1,479.09	3,479.39	114,991.19	36,513.53	33.37	48.21	114,991.21		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2029	812.17	812.17	1,183.19		9.28	66.19	887.58	4,282.49	580.92	1,493.54	3,369.87	114,991.19	36,513.53	34.12	48.80	114,991.21		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2030	821.92	821.92	1,183.19		7.98	66.59	887.49	4,362.59	583.64	1,479.09	3,447.15	122,476.40	37,965.45	35.32	45.34	122,476.45		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2031	827.36	827.36	1,183.19		7.77	66.90	887.39	4,396.05	601.54	1,515.07	3,469.35	122,476.40	40,698.66	35.76	46.58	122,476.45		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2032	832.22	832.22	1,183.19		7.58	66.92	887.39	4,399.30	601.54	1,504.28	3,469.35	125,149.76	40,698.66	36.08	49.36	125,149.78		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2033	838.35	838.35	1,183.19		7.35	67.19	887.39	4,400.68	601.54	1,504.78	3,480.34	125,149.63	40,703.88	36.06	50.36	125,149.78		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2034	843.73	843.73	1,183.19		5.17	59.81	887.39	4,419.26	502.07	1,612.50	3,309.43	123,832.14	38,806.70	37.42	47.74	123,832.14		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2035	861.89	861.89	1,183.19		2.96	59.93	887.39	4,524.78	393.60	1,634.08	3,284.30	126,714.05	38,580.50	38.58	48.80	126,714.07		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2036	858.16	858.16	1,183.19		3.39	59.93	887.39	4,524.78	393.60	1,634.08	3,284.30	126,714.05	38,580.50	38.58	48.80	126,714.07		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2037	862.06	862.06	1,183.19		0.60	59.24	887.39	4,577.21	374.36	1,757.61	3,192.97	133,954.36	30,761.39	41.94	50.10	133,954.42		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2038	891.68	891.68	1,183.19		-0.48	58.93	887.39	4,602.93	380.20	1,673.36	3,309.76	141,290.14	32,801.21	42.69	51.26	141,290.19		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2039	901.87	901.87	1,183.19		-1.61	58.60	887.39	4,629.70	330.60	1,907.97	3,052.24	134,355.86	31,348.63	44.02	51.92	134,355.86		
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Core	2040	909.62	909.62	1,183.19		-2.44	58.53	887.39	4,676.65	337.43	1,880.12	3,133.96	142,928.76	27,062.81	45.61	52.61	142,928.80	
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2024							0.00	2,107.84	377.49	0.00	1,730.35		0.00					58,951.45
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2025							0.00	2,107.84	429.64	0.00	1,678.20		0.00					61,646.25
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2026							0.00	1,550.75	529.90	0.00	1,020.85		0.00					38,995.40
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2027							0.00	1,155.64	738.39	0.00	417.25		0.00					27,941.05
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2028							0.00	1,489.34	696.56	0.00	792.78		0.00					34,750.75
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2029							0.00	1,493.54	580.92	0.00	912.62		0.00					39,622.87
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2030							0.00	1,479.09	583.64	0.00	895.45		0.00					37,272.65
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2031							0.00	1,515.54	567.12	0.00	948.42		0.00					38,038.99
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2032							0.00	1,504.07	403.56	0.00	1,100.51		0.00					37,433.37
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2033							0.00	1,510.78	490.64	0.00	1,020.14		0.00					46,054.92
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2034							0.00	1,612.50	502.07	0.00	1,110.43		0.00					50,522.86
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2035							0.00	1,634.08	393.60	0.00	1,240.48		0.00					55,522.38
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2036							0.00	1,728.83	430.50	0.00	1,298.33		0.00					61,268.64
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2037							0.00	1,757.61	374.36	0.00	1,383.25		0.00					64,587.71
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2038							0.00	1,673.36	380.20	0.00	1,293.16		0.00					62,841.24
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2039							0.00	1,907.97	330.60	0.00	1,577.37		0.00					76,355.21
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	0	DSSY	KY Market	2040							0.00	1,880.12	337.43	0.00	1,542.69		0.00					76,599.15

Scenario	Sales Value ($000)	Purchase Cost ($000)	RTC Price ($/MWh)	On-Peak Price ($/MWh)	Off-Peak Price ($/MWh)	Non-Spin Price ($/MWh)	Spin Price ($/MWh)	Reg Up Price ($/MWh)	Reg Down Price ($/MWh)	Supp Up Price ($/MWh)	Supp Down Price ($/MWh)	Capacity Price ($/kW-yr)	UOH (hours)	LOLE (days)	EUE (MWh)	Curtailed (MWh)	Peak After EE (MW)	Peak After Solar (MW)	Peak After Batteries (MW)	Capital Expense ($000)	Carrying Costs ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	35,191.07	76,143.31	39.39	46.44	35.45	0.08	0.08	0.08	0.08	0.00	0.00	0.00	0.00				807.65	803.47	803.47									17.61
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	23,288.31	84,934.56	43.16	52.01	35.45	0.55	0.55	0.55	0.55	0.00	0.00	0.00	0.00				809.57	808.57	808.57									17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	26,275.17	65,275.57	45.34	53.79	37.92	0.54	0.54	0.54	0.54	0.00	0.00	0.00	0.00				812.20	808.47	808.47									17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	33,535.65	61,466.70	49.95	54.30	38.59	0.55	0.55	0.55	0.55	0.00	0.00	0.00	0.00				811.95	808.22	808.22									17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	24,979.22	61,248.21	43.27	51.98	36.43	0.47	0.47	0.47	0.47	0.00	0.00	0.00	0.00				811.69	808.44	808.44									17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	24,979.22	61,248.21	43.27	51.98	36.43	0.47	0.47	0.47	0.47	0.00	0.00	0.00	0.00				812.17	808.44	808.44									17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	26,668.90	64,041.55	44.22	52.28	37.19	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00				821.92	820.92	820.92									17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	26,867.25	66,198.62	44.89	52.87	37.93	0.37	0.37	0.37	0.37	0.00	0.00	0.00	0.00				827.36	819.49	819.49									17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	26,864.25	66,198.62	45.30	52.87	38.41	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00				832.22	819.49	819.49									17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	23,914.31	71,304.47	46.77	53.02	41.37	0.27	0.27	0.27	0.27	0.00	0.00	0.00	0.00				843.73	840.00	840.00	1,740.83								17.59
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	18,579.73	74,102.08	47.87	53.92	42.59	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00				861.89	858.16	858.16	11,014.70								17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	18,579.73	74,102.08	47.87	53.92	42.59	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00				858.16	858.16	858.16	11,014.70								17.60
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	18,539.95	81,727.67	49.16	54.64	44.35	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00				862.06	878.33	878.33	572,107.21								17.57
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	18,556.04	81,197.28	50.36	55.53	45.83	0.19	0.19	0.19	0.19	0.00	0.00	0.00	0.00				891.68	887.95	887.95	970,304.05								17.56
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	17,137.81	91,823.94	51.07	56.00	46.77	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00				901.87	898.14	898.14	1,119,022.69								17.54
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	17,570.21	93,600.36	51.80	56.37	47.84	0.22	0.22	0.22	0.00	0.00	0.00	0.00	0.00				909.62	905.89	905.89	1,074,781.69								17.56
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	25,275.17	25,275.17	45.34	53.79	37.92																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	84,934.57	23,288.32	43.16	52.01	35.45																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	65,270.57	26,275.17	45.34	53.79	37.92																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	61,466.69	33,525.64	45.93	54.30	38.59																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	65,558.58	30,807.83	44.78	53.38	37.33																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	64,041.55	26,668.90	44.22	52.28	37.19																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	64,041.55	26,668.90	44.22	52.28	37.19																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	64,706.22	26,667.23	44.89	52.87	37.93																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	66,298.61	26,865.25	45.30	53.97	39.43																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	68,389.74	22,334.82	46.86	52.79	40.75																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	74,102.08	18,579.73	47.87	53.92	42.59																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	74,102.08	18,579.73	47.87	53.92	42.59																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	81,763.39	20,494.75	48.76	54.68	43.58																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	82,727.67	18,139.96	49.16	54.64	44.35																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	81,197.29	18,556.05	50.36	55.53	45.83																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	93,600.36	17,570.21	51.80	56.37	47.84																							
DSSY 2014 IRP Core E82 Retire by '42 -NO SMR - PC	93,600.36	17,570.21	51.80	56.37	47.84																							

Scenario	RunID	BA	Area	Type	Resource	Year	Units	Capacity (MW)	Firm Capacity (MW)	Availability (%)	Generation (GWh)	Capacity Factor (%)	Energy Required (GWh)	Curtailed (MWh)	Marginal Hours	Unit Hours	Unit Starts	Avg Heat Rate (Btu/kWh)	Heat Required (mmBtu)	Fuel Costs ($000)	Program Costs ($000)	Avg Fuel Cost ($/mmBtu)	Commitment Costs ($000)	Non-Fuel Variable Cost ($000)	Total Energy Cost ($000)	Average Energy Cost ($/MWh)	Fixed Cost ($000)	Total Cost ($000)	Optimized Cost ($000)	Non Spinning (GWh)	Spinning (GWh)	Reg Up (GWh)	Reg Down (GWh)	Supp Offline (GWh)	Supp Up Online (GWh)	Supp Down (GWh)	Realized Price ($/MWh)	Energy Value ($000)	Ancillary Value ($000)	Capacity Bid ($/kW-yr)	Capacity Value ($000)	Profits ($000)	Externality Costs ($000)	Payback Cost ($000)	PTC ($000)
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	1.00	600.00	498.96	63.01	3,349.70	25.61				2,701.00	6.00	10,799.80	14,619,354.56	38,308.90	515.75	2.66	947.40	18,288.87	58,060.92	43.02		58,060.92	58,060.91								47.88	64,620.16				0.00	6,559.24			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	1.00	600.00	498.96	63.01	2,320.80	44.16				4,617.00	10.00	10,791.25	25,120,056.38	65,475.68	1,039.54	2.65	1,618.00	32,771.91	100,905.13	43.48	37,196.83	138,101.96	100,905.13								47.90	111,166.56				0.00	-26,935.40			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	1.00	600.00	498.96	67.67	3,109.20	59.16				5,675.00	10.00	10,701.85	33,345,286.88	72,381.14	1,127.12	2.20	1,823.80	45,566.71	120,898.78	38.88	76,066.69	196,965.46	120,898.78								48.17	149,779.66				0.00	-47,185.81			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	1.00	600.00	498.96	67.85	3,546.90	67.48				5,952.00	8.00	10,619.93	37,724,723.50	83,977.84	1,779.64	2.27	1,360.00	23,657.05	110,774.54	31.23		110,774.54	110,774.55								46.41	164,607.67				0.00	53,833.13			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	1.00	600.00	498.96	66.12	3,405.30	64.61				5,750.00	8.00	10,625.76	36,240,768.88	83,034.72	1,483.09	2.33	1,393.60	23,365.16	109,276.57	32.09		109,276.57	109,276.57								46.17	157,216.40				0.00	47,939.83			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	1.00	600.00	498.96	66.03	3,283.80	62.48				5,677.00	9.00	10,648.16	35,030,421.38	84,338.63	1,498.76	2.45	1,607.60	23,289.20	110,783.99	33.72		110,783.99	110,783.99								44.51	146,336.45				0.00	35,432.46			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	1.00	600.00	498.96	66.03	3,270.00	62.21				5,631.00	9.00	10,644.39	34,971,150.13	85,075.38	1,483.66	2.48	1,647.90	23,871.13	111,048.78	34.28		111,048.78	112,888.79								45.50	148,771.62				0.00	36,682.96			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	1.00	600.00	498.96	66.12	3,305.20	63.95				5,752.00	9.00	10,639.07	35,912,490.34	85,348.17	1,457.26	2.53	1,538.40	26,046.95	118,588.98	35.19		118,588.98	118,588.96								46.84	157,854.77				0.00	39,265.80			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	1.00	600.00	498.96	66.03	3,344.70	63.64				5,736.00	9.00	10,640.46	35,653,127.61	91,618.08	1,689.00	2.62	1,773.90	26,643.07	121,724.04	36.39		121,724.04	121,724.06								47.87	160,118.18				0.00	38,394.14			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	1.00	600.00	498.96	66.03	3,288.00	62.56				5,550.00	9.00	10,635.43	35,000,401.00	93,613.94	1,384.66	2.71	1,818.90	26,926.86	123,543.36	37.57		123,543.36	123,543.34								49.16	161,627.67				0.00	38,084.31			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	1.00	600.00	498.96	66.30	3,266.70	62.15				5,559.00	7.00	10,633.09	34,784,884.81	96,178.68	1,492.86	2.81	1,449.70	27,592.81	126,714.05	38.79	92,250.00	218,964.05	126,714.05								50.35	164,463.15				0.00	54,005.90			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	1.00	600.00	498.96	66.12	3,244.80	61.57				5,551.00	9.00	10,638.11	34,582,533.38	99,547.46	1,495.90	2.92	1,910.70	28,262.71	131,216.77	40.44		131,216.77	131,216.78								50.81	164,869.92				0.00	33,653.15			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	1.00	600.00	498.96	66.03	3,176.40	60.43				5,498.00	10.00	10,649.33	33,897,632.63	101,483.15	1,739.19	3.05	2,176.00	28,556.02	133,954.36	42.17		133,954.36	133,954.41								51.59	163,884.65				0.00	29,930.28			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	1.00	600.00	498.96	66.03	3,292.20	62.64				5,658.00	9.00	10,642.49	35,101,203.59	107,088.71	1,730.85	3.10	2,007.00	30,463.58	141,290.14	42.92		141,290.14	141,290.18								52.38	172,450.14				0.00	31,160.01			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	1.00	600.00	498.96	66.30	3,034.80	57.74				5,201.00	7.00	10,639.81	32,339,461.44	102,288.43	1,541.45	3.21	1,600.20	28,925.75	134,355.84	44.27		134,355.84	134,355.84								54.32	164,858.19				0.00	30,502.35			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	1.00	600.00	498.96	66.12	3,116.40	59.13				5,403.00	7.00	10,650.73	33,241,714.75	109,176.83	1,452.83	3.33	1,640.10	30,659.00	142,928.76	45.86		142,928.76	142,928.78								54.28	169,148.89				0.00	26,220.13			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2024	1.00	14.03	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2025	1.00	14.06	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2026	1.00	14.09	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2027	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2028	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2029	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2030	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2031	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2032	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2033	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2034	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2035	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2036	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2037	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2038	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2039	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PM DEK	2040	1.00	14.12	0.11	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2024	1.00	9.63	0.07	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2025	1.00	9.70	0.07	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2026	1.00	9.76	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2027	1.00	9.83	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2028	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2029	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2030	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2031	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2032	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2033	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2034	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2035	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2036	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2037	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2038	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2039	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Demand:Demand Response	DSM PS DEK	2040	1.00	9.89	0.08	100.00																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	1.00	94.00	57.92	80.70	189.43	24.70			16.00	2,457.00	27.00	15,237.35	2,886,940.39	6,296.05	152.74	54.00	2.23	159.30	0.00	6,608.09	34.88		6,608.09	6,608.09								45.94	8,701.37				0.00	2,093.28			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	1.00	94.00	57.92	74.72	49.14	6.43				554.00	30.00	14,764.14	726,125.04	2,654.90	34.50	3.70	183.00	0.00	2,872.40	58.45		2,872.40	2,872.40								62.95	3,093.52				0.00	221.13			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	1.00	94.00	57.92	90.24	24.67	3.23			1.00	279.00	14.00	14,774.09	364,809.22	1,520.45	17.05	4.21	86.80	0.00	1,624.29	65.83		1,624.29	1,624.29								72.34	1,784.85				0.00	160.56			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	1.00	94.00	57.92	89.84	22.09	2.89				251.00	14.00	14,793.49	327,126.46	1,319.57	12.80	4.07	89.60	0.00	1,421.97	64.36		1,421.97	1,421.97								68.70	1,517.75				0.00	95.78			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	1.00	94.00	57.92	89.92	10.86	1.42				127.00	8.00	14,866.35	161,571.94	651.19	12.00	4.10	52.80	0.00	715.99	65.95		715.99	715.99								70.51	765.50				0.00	49.50			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	1.00	94.00	57.92	85.71	9.76	1.28			1.00	114.00	7.00	14,864.47	145,286.66	569.48	9.79	3.99	46.90	0.00	626.17	64.13		626.17	626.17								68.68	670.61				0.00	44.45			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	1.00	94.00	57.92	85.05	21.23	2.78				242.00	14.00	14,792.71	314,313.65	1,160.68	18.40	3.75	96.60	0.00	1,275.88	60.10		1,275.88	1,275.88								63.63	1,350.78				0.00	74.90			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	1.00	94.00	57.92	85.96	23.84	3.12				273.00	12.00	14,804.94	353,172.17	1,446.62	22.08	4.16	85.20	0.00	1,553.90	65.19		1,553.90	1,553.90								69.31	1,652.28				0.00	98.38			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	1.00	94.00	57.92	85.76	17.91	2.33			1.00	209.00	6.00	14,875.72	266,514.42	1,172.75	12.40	4.45	43.20	0.00	1,228.35	68.59		1,228.35	1,228.35								71.72	1,284.30				0.00	55.95			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	1.00	94.00	57.92	85.41	1.60	0.21				17.00	1.00	14,614.46	23,374.91	115.12	0.00	4.93	7.40	0.00	122.52	76.67		122.52	122.52								77.23	123.41				0.00	0.89			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2034	1.00	94.00	57.92	85.06																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2035	1.00	94.00	57.92	84.95																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2036	1.00	94.00	57.92	85.90																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2037	1.00	94.00	57.92	85.51																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2038	1.00	94.00	57.92	85.86																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2039	1.00	94.00	57.92	85.56																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2040	1.00	94.00	57.92	85.10																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	1.00	94.00	67.62	88.06	198.81	25.68			13.00	2,431.00	38.00	15,040.62	2,991,034.24	5,773.80	112.70	1.97	224.20	0.00	6,110.69	30.74		6,110.69	6,110.70								42.10	8,370.51				0.00	2,259.82			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	1.00	94.00	67.62	72.68	44.67	5.79			1.00	505.00	28.00	14,772.53	660,405.07	2,397.80	36.37	3.69	170.80	0.00	2,604.97	58.32		2,604.97	2,604.97								63.16	2,820.95				0.00	215.98			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	1.00	94.00	67.62	87.46	25.81	3.34			1.00	291.00	15.00	14,765.56	381,393.49	1,580.73	19.76	4.20	93.00	0.00	1,693.50	65.62		1,693.50	1,693.50								72.02	1,858.71				0.00	165.22			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	1.00	94.00	67.62	88.20	23.10	2.99				262.00	15.00	14,787.39	341,977.55	1,370.25	15.23	4.05	96.00	0.00	1,481.48	64.12		1,481.48	1,481.48								68.43	1,581.15				0.00	99.67			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	1.00	94.00	67.62	87.58	11.01	1.42			1.00	128.00	8.00	14,850.24	163,713.67	658.88	12.36	4.10	52.80	0.00	724.03	65.74		724.03	724.03								70.58	777.30				0.00	53.27			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	1.00	94.00	67.62	84.52	12.23	1.58			1.00	141.00	8.00	14,826.69	181,572.55	685.26	12.36	3.84	53.60	0.00	751.22	61.40		751.22	751.22								65.25	798.34				0.00	47.13			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	1.00	94.00	67.62	84.90	30.34	3.93			1.00	343.00	15.00	14,799.69	448,716.09	1,614.25	18.54	3.64	136.30	0.00	1,736.30	57.23		1,736.30	1,736.30								59.76	1,812.96				0.00	76.66			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	1.00	94.00	67.62	84.22	25.11	3.25			1.00	286.00	15.00	14,834.80	371,585.86	1,509.43	25.09	4.13	92.30	0.00	1,626.82	64.80		1,626.82	1,626.82								68.92	1,730.21				0.00	103.39			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	1.00	94.00	67.62	85.00	18.12	2.34			1.00	210.00	6.00	14,856.38	269,258.19	1,183.45	12.85	4.44	43.20	0.00	1,239.49	68.42		1,239.49	1,239.49								71.64	1,297.84				0.00	58.34			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	1.00	94.00	67.62	84.66	1.29	0.01				35.00	2.00	14,614.46	48,123.58	237.01	0.01	4.93	14.80	0.00	251.81	76.54		251.81	251.81								77.45	254.83				0.00	3.01			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	1.00	94.00	67.62	84.57	0.96	0.12				12.00	1.00	15,047.75	14,466.83	62.13	2.46	4.47	7.60	0.00	72.20	75.20		72.20	72.20								75.71	72.68				0.00	0.48			
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2035	1.00	94.00	67.62	84.31																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2036	1.00	94.00	67.62	84.70																																				
DEKY 2024 IRP Core E82 Retire by '42 - NS 5MR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2037	1.00	94.00	67.62	84.90																																				
DEKY 2024 IRP

Scenario	RunID	BA	Area	Type	Resource	Year	Emission	Released (tons)	Release Rate (lb/mmBtu)	Average Rate (lb/MWh)	Cost ($000)	Average Cost ($/MWh)
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	CO2	1,500,655.82	205.30	2,223.69		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	NOx	569.72	0.08	0.84	513.47	0.38
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2024	SO2	950.24	0.13	1.41	2.28	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	CO2	2,578,573.28	205.30	2,222.14		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	NOx	963.45	0.08	0.83	1,035.62	0.45
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2025	SO2	1,632.80	0.13	1.41	3.92	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	CO2	3,422,893.47	205.30	2,201.78		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	NOx	1,316.71	0.08	0.85	1,121.92	0.36
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2026	SO2	2,167.44	0.13	1.39	5.20	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	CO2	3,872,443.11	205.30	2,183.56		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	NOx	1,455.97	0.08	0.82	1,773.76	0.50
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2027	SO2	2,452.11	0.13	1.38	5.89	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	CO2	3,720,115.16	205.30	2,184.90		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	NOx	1,418.30	0.08	0.83	1,477.44	0.43
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2028	SO2	2,355.65	0.13	1.38	5.65	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	CO2	3,595,872.83	205.30	2,190.07		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	NOx	1,363.94	0.08	0.83	1,493.30	0.45
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2029	SO2	2,276.98	0.13	1.39	5.46	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	CO2	3,579,523.75	205.30	2,189.31		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	NOx	1,359.01	0.08	0.83	1,478.22	0.45
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2030	SO2	2,266.63	0.13	1.39	5.44	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	CO2	3,570,275.12	205.30	2,186.46		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	NOx	1,357.67	0.08	0.83	1,471.89	0.45
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2031	SO2	2,260.77	0.13	1.38	5.43	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	CO2	3,686,417.14	205.30	2,187.65		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	NOx	1,389.20	0.08	0.82	1,649.46	0.49
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2032	SO2	2,334.31	0.13	1.39	5.60	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	CO2	3,659,793.84	205.30	2,188.41		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	NOx	1,377.47	0.08	0.82	1,683.34	0.50
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2033	SO2	2,317.45	0.13	1.39	5.65	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	CO2	3,592,791.48	205.30	2,185.40		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	NOx	1,381.12	0.08	0.84	1,379.02	0.42
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2034	SO2	2,275.03	0.13	1.38	5.64	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	CO2	3,570,668.65	205.30	2,186.10		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	NOx	1,364.49	0.08	0.84	1,487.15	0.46
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2035	SO2	2,261.02	0.13	1.38	5.70	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	CO2	3,549,897.26	205.30	2,188.05		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	NOx	1,356.74	0.08	0.84	1,490.12	0.46
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2036	SO2	2,247.87	0.13	1.39	5.77	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	CO2	3,479,592.08	205.30	2,190.90		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	NOx	1,307.91	0.08	0.82	1,733.44	0.55
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2037	SO2	2,203.35	0.13	1.39	5.75	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	CO2	3,603,138.84	205.30	2,188.89		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	NOx	1,364.30	0.08	0.83	1,724.80	0.52
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2038	SO2	2,281.58	0.13	1.39	6.05	0.00

DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	CO2	3,319,645.98	205.30	2,187.72		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	NOx	1,264.43	0.08	0.83	1,535.77	0.51
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2039	SO2	2,102.07	0.13	1.39	5.67	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	CO2	3,412,262.27	205.30	2,189.87		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	Hg	0.01	0.00	0.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	NOx	1,310.98	0.08	0.84	1,446.89	0.46
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Coal:Conventional	East Bend 2	2040	SO2	2,160.71	0.13	1.39	5.93	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	CO2	168,885.96	117.00	1,783.12		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2024	NOx	171.77	0.12	1.81	152.74	0.81
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	CO2	42,478.31	117.00	1,728.90		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2025	NOx	43.20	0.12	1.76	34.50	0.70
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	CO2	21,341.34	117.00	1,729.96		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2026	NOx	21.71	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	CO2	9,451.96	117.00	1,741.17		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2028	NOx	9.61	0.12	1.77	12.00	1.11
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	CO2	18,387.34	117.00	1,732.37		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2030	NOx	18.70	0.12	1.76	18.40	0.87
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	CO2	20,660.57	117.00	1,733.41		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2031	NOx	21.01	0.12	1.76	22.08	0.93
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	CO2	15,591.09	117.00	1,741.28		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2032	NOx	15.86	0.12	1.77	12.40	0.69
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	CO2	1,367.43	117.00	1,711.43		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 1	2033	NOx	1.39	0.12	1.74	0.00	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	CO2	174,975.44	117.00	1,760.22		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2024	NOx	177.97	0.12	1.79	112.70	0.57
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	CO2	38,633.69	117.00	1,729.93		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2025	NOx	39.29	0.12	1.76	36.37	0.81
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	CO2	22,311.52	117.00	1,729.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2026	NOx	22.69	0.12	1.76	19.76	0.77
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2027	NOx	20.35	0.12	1.76	15.23	0.66
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	CO2	10,621.99	117.00	1,736.33		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2029	NOx	10.80	0.12	1.77	12.36	1.01
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	CO2	26,249.88	117.00	1,730.44		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2030	NOx	26.70	0.12	1.76	18.54	0.61
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	CO2	21,737.77	117.00	1,731.68		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2031	NOx	22.11	0.12	1.76	25.09	1.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 2	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	CO2	162,731.60	117.00	1,789.84		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2024	NOx	165.51	0.12	1.82	182.30	1.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	CO2	33,969.69	117.00	1,735.71		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2025	NOx	34.55	0.12	1.77	36.36	0.93
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	CO2	20,017.41	117.00	1,728.87		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2026	NOx	20.36	0.12	1.76	17.39	0.75
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	CO2	11,573.18	117.00	1,716.96		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2027	NOx	11.77	0.12	1.75	2.19	0.16
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	CO2	8,730.94	117.00	1,736.98		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2028	NOx	8.88	0.12	1.77	9.99	0.99
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	CO2	10,621.99	117.00	1,736.33		

DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2029	NOx	10.80	0.12	1.77	12.36	1.01
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	CO2	29,088.95	117.00	1,732.16		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2030	NOx	29.59	0.12	1.76	26.49	0.79
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	CO2	14,584.06	117.00	1,742.42		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2031	NOx	14.83	0.12	1.77	25.08	1.50
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	CO2	12,157.55	117.00	1,732.39		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2032	NOx	12.37	0.12	1.76	2.79	0.20
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 3	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	CO2	184,077.38	117.00	1,743.00		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2024	NOx	187.22	0.12	1.77	91.08	0.43
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	CO2	34,281.00	117.00	1,734.33		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2025	NOx	34.87	0.12	1.76	34.48	0.87
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	CO2	21,341.34	117.00	1,729.96		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2026	NOx	21.71	0.12	1.76	17.05	0.69
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	CO2	19,136.89	117.00	1,732.39		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2027	NOx	19.46	0.12	1.76	12.80	0.58
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	CO2	9,489.42	117.00	1,743.06		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2028	NOx	9.65	0.12	1.77	12.11	1.11
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	CO2	8,499.27	117.00	1,740.90		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2029	NOx	8.64	0.12	1.77	9.79	1.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	CO2	25,598.34	117.00	1,732.18		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2030	NOx	26.04	0.12	1.76	18.52	0.63
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	CO2	20,660.57	117.00	1,733.41		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2031	NOx	21.01	0.12	1.76	22.08	0.93
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	CO2	13,259.28	117.00	1,746.76		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2032	NOx	13.49	0.12	1.78	12.39	0.82
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 4	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	CO2	172,387.82	117.00	1,767.44		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2024	NOx	175.33	0.12	1.80	184.19	0.94
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	CO2	39,279.23	117.00	1,734.76		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2025	NOx	39.95	0.12	1.76	31.24	0.69
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	CO2	17,647.89	117.00	1,733.87		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2026	NOx	17.95	0.12	1.76	19.75	0.97
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	CO2	16,479.60	117.00	1,725.16		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2027	NOx	16.76	0.12	1.75	5.36	0.28
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	CO2	10,621.99	117.00	1,736.33		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2029	NOx	10.80	0.12	1.77	12.36	1.01
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	CO2	26,832.94	117.00	1,729.65		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2030	NOx	27.29	0.12	1.76	20.17	0.65
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	CO2	21,737.77	117.00	1,731.68		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2031	NOx	22.11	0.12	1.76	25.09	1.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 5	2034	NOx	0.86	0.12	1.79	2.46	2.57
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	CO2	186,377.18	117.00	1,760.05		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2024	NOx	189.56	0.12	1.79	125.96	0.59
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	CO2	42,989.11	117.00	1,732.15		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2025	NOx	43.72	0.12	1.76	36.38	0.73
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	CO2	21,024.45	117.00	1,730.08		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2026	NOx	21.38	0.12	1.76	19.76	0.81
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	CO2	20,005.68	117.00	1,731.72		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2027	NOx	20.35	0.12	1.76	15.23	0.66

DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	CO2	9,577.25	117.00	1,739.26		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2028	NOx	9.74	0.12	1.77	12.36	1.12
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	CO2	10,621.99	117.00	1,736.33		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2029	NOx	10.80	0.12	1.77	12.36	1.01
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	CO2	29,308.05	117.00	1,733.56		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2030	NOx	29.81	0.12	1.76	26.49	0.78
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	CO2	20,450.70	117.00	1,732.96		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2031	NOx	20.80	0.12	1.76	25.09	1.06
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	CO2	15,751.60	117.00	1,739.01		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2032	NOx	16.02	0.12	1.77	12.85	0.71
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	CO2	2,815.23	117.00	1,711.39		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2033	NOx	2.86	0.12	1.74	0.01	0.00
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	CO2	846.31	117.00	1,763.15		
DEKY 2024 IRP Core EB2 Retire by '42 - NS SMR - PC	0	DEKY	KY Core	Gas/Oil:Combustion Turbine	Woodsdale 6	2034	NOx	0.86	0.12	1.79	2.46	2.57

Scenario	RunID	Year	BA	Area	Name	Added	Active	Installed Cost

Duke Energy Kentucky
Case No. 2024-00197
SIERRA First Set Data Requests
Date Received: August 14, 2024

SIERRA-DR-01-010

REQUEST:

Please provide the following annual historical data for Duke's East Bend coal-fired unit from 2019 through the latest date available, in with formulas intact:

a. NOx emissions machine-readable Excel format
b. Particulate matter (PM) emissions
c. SO2 emissions
d. CO2 emissions
e. Generation
f. Nameplate capacity
g. PJM accredited capacity
h. PJM energy revenue
i. Variable O&M
j. Fixed O&M
k. Fuel cost
l. Fuel usage (MMBtu)
m. Forced outage rate
n. Planned outage rate
o. Equivalent availability factor
p. Heat rate
q. Non-environmental capital spending
r. Environmental capital spending, including corresponding regulation

OBJECTION:

Objection. This request is vague, ambiguous, overly broad as to scope, and impossible to answer without engaging in speculation and guess work. Moreover, this request seeks information that is publicly available and equally accessible to the Sierra Club. Accordingly, the Company interprets this request as overly burdensome and intended to harass. Duke Energy Kentucky further objects to the request as overly broad and unduly burdensome, to the extent it seeks information not maintained by the Company in the

ordinary course of business, and requires a calculation or compilation that has not already been performed. Without waiving said objections, and to the extent discoverable:

a.-d. The specific data requested is available on the EPA Clean Air Power Division's public website (www.epa.gov/power-sector) and can be downloaded in a format chosen by the user. Data is currently available through the second quarter of 2024.

e. Please see SIERRA-DR-01-010 Attachment 2.

f. Please see SIERRA-DR-01-010 Attachment 2.

g. Please see SIERRA-DR-01-010 Attachment 2.

h. Please see SIERRA-DR-01-010 Attachment 2.

i. See objection. Duke Energy Kentucky does not maintain this information.

j. Please see SIERRA-DR-01-010 Attachment 1.

k. Please see SIERRA-DR-01-010 Attachment 2.

l. Please see SIERRA-DR-01-010 Attachment 2.

m. Please see SIERRA-DR-01-010 Attachment 2.

n. See objection. Duke Energy Kentucky does not maintain this information. Answering further, please see SIERRA-DR-01-010 Attachment 2 for Equivalent Planned Outage Rate (EPOR).

o. Please see SIERRA-DR-01-010 Attachment 2.

p. Please see SIERRA-DR-01-010 Attachment 2.

q. Please see SIERRA-DR-01-010 Attachment 1.

r. See objection. Duke Energy Kentucky does not maintain this information.

PERSON RESPONSIBLE: As to Objection, Legal
As to response, J. Michael Geers
John Swez

Duke Energy Kentucky
Sierra Club
IRP Case No. 2024-00197
SC-DR-01-010

(j.)

Station Name	O&M					
	2019	2020	2021	2022	2023	YTD July 2024
DEK Other	($13,039)	($88,286)	($311,722)	$240,828	($43,564)	($127,001)
East Bend Coal	$50,360,969	$47,008,576	$50,281,246	$46,528,830	$47,434,646	$29,905,587
Regional Services & Other	$23,217	$40,403	$73,749	$149,611	$145,136	$183,592
Total O&M	**$50,347,930**	**$47,008,576**	**$50,281,246**	**$46,528,830**	**$47,434,646**	**$29,905,587**

(q.)

Station Name	Capital					
	2019	2020	2021	2022	2023	YTD July 2024
DEK Other	$209,260	($10,961)	$4,454	$123,316	$6,548,336	$64,796
East Bend Coal	$51,973,993	$29,899,545	$28,402,337	$18,587,045	$31,595,442	$9,726,257
Regional Services & Other	$12,460	$0	$0	$0	$0	$0
Total Capital	**$51,973,993**	**$29,899,545**	**$28,402,337**	**$18,587,045**	**$31,595,442**	**$9,726,257**

NOTES:

DEK Other and Regional Services line costs are associated with the entire Duke Energy Kentucky region.
Duke Energy Kentucky does not track Fixed and Variable O&M Costs separately.
Duke Energy Kentucky does not track Non-Environmental and Environmental Capital Spending separately.

Duke Energy Kentucky
2024 IRP - Case 2024-00197
SC-DR-01-010

	(e.)	(f.)	(h.)	(k.)	(l.)	(m.)	(n.)$_1$	(o.)	(p.)
All Data for East Bend Station	**Net Actual Generation (MWh)**	**Nameplate Capacity Rating (MW)**	**PJM Energy Market Revenue ($)**	**Fuel Costs ($)**	**Fuel Usage (MMBtu)**	**Forced Outage Rate (FOR, %)**	**Equivilent Planned Outage Rate (EPOR, %)**	**Equivalent Availability Factor (EAF, %)**	**Net Heat Rate (Btu/kWh)**
2019	3,165,500	600	$ 80,764,631	$ 67,767,903	34,340,517	2.54	10.35	73.61	10994
2020	2,269,190	600	$ 51,214,368	$ 50,256,155	25,386,946	0.97	25.98	77.66	11205
2021	2,542,673	600	$ 83,491,681	$ 54,171,470	28,010,832	9.31	34.25	58.42	11010
2022	2,777,700	600	$ 203,779,804	$ 79,902,243	31,564,779	2.69	13.04	71.80	10508
2023	2,211,385	600	$ 70,944,881	$ 85,370,908	24,473,365	2.48	23.40	61.81	11075
YTD 2024 (thru July)	1,554,214	600	$ 49,872,147	$ 53,561,267	17,399,122	0.09	0.00	79.96	13021

NOTE$_1$: Duke Energy Kentucky does not maintain this information. Equivalent Planned Outage Rate (EPOR) in lieu of Planned Outage Rate (POR)

	(g.)$_2$
All Data for East Bend Station	**PJM Accredited Capacity (MW)**
2018/2019	557.0
2019/2020	574.3
2020/2021	576.6
2021/2022	584.2
2022/2023	554.4
2023/2024	543.3
2024/2025	552.3

NOTE$_2$: PJM Accredited Capacity periods run June - May

SIERRA-DR-01-011

REQUEST:

Please provide the source of the capital costs and operating characteristics for each supply-side resource type modeled by the Company (as noted in Table 4.1 on page 33 of the IRP) in machine-readable Excel format, including supporting analyses and/or documents.

RESPONSE:

See SIERRA-DR-01-011 Attachment.

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA_DR-01-011

Technology	Source - Capital Cost	Source - Operating Characteristics
SMR	Idaho National Lab; EIA AEO 2023	Idaho National Lab; EPRI
CC	Burns & McDonnell; EIA AEO 2023	Burns & McDonnell
CC w/ CCS	Burns & McDonnell; EIA AEO 2023	Burns & McDonnell
CT	Burns & McDonnell; EIA AEO 2023	Burns & McDonnell
Wind	Guidehouse; EIA AEO 2023	Guidehouse
Solar	Guidehouse; EIA AEO 2023	Guidehouse
Battery Storage	Guidehouse; EIA AEO 2023	Guidehouse

SIERRA-DR-01-012

REQUEST:

Please provide forecasts of Effective Load Carrying Capability (ELCC) values used in modeling in all years, by resource type.

RESPONSE:

See table below for ELCC values by resource type used in Duke Energy Indiana IRP modeling. Values beyond 2033 were held constant through the study period as indicated by plus sign.

	ELCC Values (%)									
Resource Type	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033+**
Battery	59	55	49	50	51	52	53	52	56	58
Fixed Tilt Solar	9	7	6	5	4	4	3	3	2	2
Tracking Solar	14	11	9	8	8	8	7	6	5	5
Solar Plus Storage:Solar	14	11	9	8	8	8	7	6	5	5
Solar Plus Storage:Battery	59	55	49	50	51	52	53	52	56	58
Wind	35	27	27	25	23	21	23	25	23	20
CT	79	79	79	79	79	79	79	79	79	79
CC	79	79	79	79	79	79	79	79	79	79
Coal	84	84	84	84	84	84	84	84	84	84
Nuclear	96	96	96	96	96	96	96	96	96	96

PERSON RESPONSIBLE: Tyler Cook

SIERRA-DR-01-013

REQUEST:

Did the Company consider hybrid resources, such as solar PV plus battery storage, as a supply-side resource option within its IRP modeling? If not, please explain why not.

RESPONSE:

Yes, solar PV plus battery storage was considered and was available as an economically selectable resource within the model.

PERSON RESPONSIBLE: Tyler Cook

SIERRA-DR-01-014

REQUEST:

Did the Company conduct a sensitivity or scenario analysis using high or low capital cost forecasts of new supply-side resources?

a. If so, please describe and provide all underlying data and assumptions in machine-readable Excel format.

b. If not, please explain why not.

RESPONSE:

The Company did not conduct a sensitivity or scenario analysis using high or low capital cost forecasts of new supply-side resources.

a. N/A

b. For the 2024 IRP, we have included the Inflation Reduction Act (IRA) and EPA CAA Section 111 Update. These policies either encourage renewables by either providing production or investment tax credits (IRA) or disincentivize thermal generation by implementing capacity factor limitations on new gas generation and forcing coal to convert to natural gas or dual fuel by 2030 or retire by 2032 (111). The Company felt these policies provided sufficient incentives to demonstrate how the model selects renewable resources.

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA-DR-01-015

REQUEST:

Regarding the Good Neighbor Rule:

a. Do all of the Company's portfolios and scenarios meet the requirements of the rule?
    i. If so, please provide a list of the portfolios that meet the rule's requirements.
    ii. If so, please explain how compliance is achieved for the East Bend coal fired unit in each compliant plan.
    iii. If not, please explain why not.
b. Please provide the Company's understanding of the compliance requirements at East Bend unit 2.
c. Please provide the most recent capital and O&M cost estimates for Good Neighbor Rule compliance at the Company's East Bend coal-fired unit.
    i. To the extent these were included in the IRP, please specify in what scenario(s).
d. Please provide forecasts of NOx allowances reviewed by the Company in the past two years.
e. Please provide the NOx allowance costs for the East Bend coal-fired unit for all portfolios.

RESPONSE:

a. We have factored in NOx allowance prices in our models that incorporate the impacts of the Good Neighbor rule. Each portfolio meets the Good Neighbor rule by purchasing NOx allowances for NOx emitted from East Bend. We were allocated sufficient allowances from the state of Kentucky under the CSAPR program that the purchase of allowances from the market was not necessary. The market value of the allowances is figured into the dispatch cost.

b. Under the Good Neighbor Rule, East Bend must hold and surrender sufficient ozone season NOx allowances to offset the emissions from the unit.

c. Costs expended under the Good Neighbor were due to routine O&M, and catalyst costs and additional capital improvements were not required for compliance with the rule. In addition, there is an incremental cost of the ammonia reagent for each ton of NOx removed.

d. Please see SIERRA-DR-01-015(d) Attachment.

e. Cost for allowances consumed is zero because the unit was allocated more allowances under the Good Neighbor Rule than what was required for compliance.

PERSON RESPONSIBLE: J. Michael Geers

DEK Air Emission Allowances

(TRNOX)

	Kentucky CSAPR Allowances	** Ohio CSAPR Allowances
	Annual (Cap & Trade)	**Annual (Cap & Trade)**
Carryover	7,682	232
2023	*3,180*	*112*
2024	*3,180*	*112*
2025	*3,180*	*112*
2026	*3,180*	*112*
2027	*3,180*	*112*
2028	*3,180*	*112*
2029	*3,180*	*112*
2030	*3,180*	*112*
2031	*3,180*	*112*
2032	*3,180*	*112*
2033	*3,180*	*112*
2034	*3,180*	*112*
2035	*3,180*	*112*
2036	*3,180*	*112*
2037	*3,180*	*112*
2038	*3,180*	*112*
2039	*3,180*	*112*
2040	*3,180*	*112*
2041	*3,180*	*112*
2042	*3,180*	*112*
2043	*3,180*	*112*
2044	*3,180*	*112*
2045	*3,180*	*112*
2046	*3,180*	*112*

(TRNOXOS)

	Kentucky CSAPR Allowances	** Ohio CSAPR Allowances
	Ozone Season (Cap & Trade)	**Ozone Season (Cap & Trade)**
	(4)	38
2023	*1,393*	*56*
2024	*1,022*	*39*
2025	*1,022*	*39*
2026	*1,022*	*39*
2027	*1,022*	*39*
2028	*1,022*	*39*
2029	*1,022*	*39*
2030	*1,022*	*39*
2031	*1,022*	*39*
2032	*1,022*	*39*
2033	*1,022*	*39*
2034	*1,022*	*39*
2035	*1,022*	*39*
2036	*1,022*	*39*
2037	*1,022*	*39*
2038	*1,022*	*39*
2039	*1,022*	*39*
2040	*1,022*	*39*
2041	*1,022*	*39*
2042	*1,022*	*39*
2043	*1,022*	*39*
2044	*1,022*	*39*
2045	*1,022*	*39*
2046	*1,022*	*39*

DEK Air Emission Allowances

	(TRNOX)			(TRNOXOS)	
	Kentucky CSAPR Allowances	** Ohio CSAPR Allowances		Kentucky CSAPR Allowances	** Ohio CSAPR Allowances
	Annual (Cap & Trade)	**Annual** (Cap & Trade)		**Ozone Season** (Cap & Trade)	**Ozone Season** (Cap & Trade)
Carryover	0	0		0	0
0	*3,180*	*112*	**0**	*1,393*	*56*
1	*3,180*	*112*	**0**	*1,022*	*39*
2	*3,180*	*112*	**0**	*1,022*	*39*
3	*3,180*	*112*	**0**	*1,022*	*39*
4	*3,180*	*112*	**0**	*1,022*	*39*
5	*3,180*	*112*	**0**	*1,022*	*39*
6	*3,180*	*112*	**0**	*1,022*	*39*
7	*3,180*	*112*	**0**	*1,022*	*39*
8	*3,180*	*112*	**0**	*1,022*	*39*
9	*3,180*	*112*	**0**	*1,022*	*39*
10	*3,180*	*112*	**0**	*1,022*	*39*
11	*3,180*	*112*	**0**	*1,022*	*39*
12	*3,180*	*112*	**0**	*1,022*	*39*
13	*3,180*	*112*	**0**	*1,022*	*39*
14	*3,180*	*112*	**0**	*1,022*	*39*
15	*3,180*	*112*	**0**	*1,022*	*39*
16	*3,180*	*112*	**0**	*1,022*	*39*
17	*3,180*	*112*	**0**	*1,022*	*39*
18	*3,180*	*112*	**0**	*1,022*	*39*
19	*3,180*	*112*	**0**	*1,022*	*39*
20	*3,180*	*112*	**0**	*1,022*	*39*
21	*3,180*	*112*	**0**	*1,022*	*39*
22	*3,180*	*112*	**0**	*1,022*	*39*
23	*3,180*	*112*	**0**	*1,022*	*39*

SIERRA-DR-01-016

REQUEST:

Has the Company considered retiring its East Bend coal-fired unit earlier than planned to avoid Effluent Limitation Guidelines (ELG), Coal Combustion Residual (CCR), Mercury Air Toxics Standards (MATS) or Regional Haze compliance costs?

a. If so, please explain why East Bend has been considered for early retirement for any of these reasons, including specifically what rules led to that decision.
b. If not, please explain why not.
c. In either case, please provide the costs of compliance with each of these rules that were modeled in the IRP and supporting documentation for those costs.
d. In either case, please provide the costs of compliance with each of these rules developed by or for the Company in the past two years. If so, please provide a list of the portfolios that meet the rule's requirements.

RESPONSE:

East Bend 2 is equipped with a precipitator, SCR, and wet-FGD system which result in low emissions. It is already in compliance with the ELG and CCR rules. The updated MATS rule compliance is required by 2027 and considered unavoidable in all scenarios. With respect to regional haze, no additional measures have been identified as necessary for the facility by the State of Kentucky.

a. East Bend 2 was not considered for early retirement for any of the listed environmental rules.

b. See response to previous questions.

c. The current estimate for East Bend 2 to comply with the updated MATS rule is approximately $3MM.

d. The EPA finalized the listed rules in April 2024 and therefore Duke Energy Kentucky has no cost analysis from previous years for these update rules.

PERSON RESPONSIBLE: J. Michael Geers

SIERRA-DR-01-017

REQUEST:

Does the Company assume that hydrogen co-firing with natural gas will be employed to achieve carbon emission reductions in the IRP?

a. If so, please provide the associated costs included in the IRP modeling that account for these retrofits, list the scenarios where they are included, and provide the modeling outputs that include these costs.

RESPONSE: The Company does not assume that hydrogen co-firing with natural gas will be employed to achieve carbon reductions in the IRP at this time.

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA-DR-01-018

REQUEST:

Did the Company develop cost estimates for carbon capture and sequestration (CCS) at East Bend unit 2?

a. If so, please provide these cost estimates and provide the modeling outputs that include these costs (if any).

b. If not, please explain why not.

RESPONSE:

a. The Company did develop a rough CCS conversion cost for East Bend Unit 2 based on studies of similar coal fired steam units retrofitting with CCS equipment across the country. The estimate developed had a capital cost of $874MM, with an additional $10.8MM per year in Fixed O&M along with an additional $4.68/MWh in Variable O&M. All costs mentioned are in 2022 dollars.

PERSON RESPONSIBLE: Tyler Cook

SIERRA-DR-01-019

REQUEST:

See IRP page 56, please provide all modeling where the Company tested greenhouse gas limit compliance options for gas resources, including all inputs and outputs, in Excel format.

RESPONSE: The only compliance options the Company "tested" for greenhouse gas emissions were limiting CC operations to 40% CF and adding CCS to CC in portfolios evaluated under "with EPA CAA Section 111 Update" scenarios. The inputs/outputs of these portfolios can be found in response to SIERRA-DR-01-003

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA-DR-01-020

REQUEST:

For each portfolio and scenario modeled, please list the means of compliance with the EPA's greenhouse gas limit for every fossil unit, including: timing of compliance, constraints imposed on those units, and costs of compliance (where appropriate).

RESPONSE:

See response to STAFF-DR-01-017. The tables included in the response are for each portfolio modeled.

PERSON RESPONSIBLE: Matthew Kalemba

SIERRA-DR-01-021

REQUEST:

Please identify and provide all communications received from each of the following entities (and Duke's responses thereto) during 2023 and 2024 specifically raising the issue of whether Duke's practices of (i) committing generating units as "Must Run" or "self scheduled" status in PJM energy markets and/or (ii) use of supply offer adjustments complies with PJM's Tariff and/or Business Practice Manuals, or otherwise addressing Duke's unit commitment practices.

a. PJM

b. PJM's Independent Market Monitor

c. FERC Staff

d. FERC Office of Enforcement

e. Kentucky Public Service Commission

RESPONSE:

a-d. Objection. This request is vague, ambiguous, overly broad and unduly burdensome, particularly the portion seeking "all communications." Moreover, this request seeks information that is irrelevant to these proceedings and is not likely to lead to the discovery of any relevant or admissible information. Without waving said objections and to the extent discoverable, there were no relevant communications during 2023 and 2024 from PJM, the PJM Independent Market Monitor, FERC Staff, and FERC Office of Enforcement.

e. Objection. This request is vague, ambiguous, overly broad and unduly burdensome, particularly the portion seeking "all communications." Moreover, this request seeks information that is irrelevant to these proceedings and is not likely to lead to the discovery of any relevant or admissible information. Finally, this request is further objectionable insofar as it seeks information that is publicly available and therefore easily accessible to the Sierra Club, and this is interpreted as intending to harass. Without waiving said objections, and to the extent discoverable, please see the following publicly available documents on the Kentucky Public Service Commission website in Case No. 2023-00012:

- STAFF-DR-02-001 (Case No. 2023-00012)
- STAFF-DR-02-003 (Case No. 2023-00012)
- STAFF-DR-02-005 (Case No. 2023-00012)
- STAFF-DR-02-009 (Case No. 2023-00012)
- STAFF-DR-02-021 (Case No. 2023-00012)
- Direct Testimony of Brad Daniel (Case No. 2023-00012)

PERSON RESPONSIBLE: As to objection, Legal
As to responses, John Swez

Duke Energy Kentucky
Case No. 2024-00197
SIERRA First Set Data Requests
Date Received: August 14, 2024

SIERRA-DR-01-022

REQUEST:

Please provide all communications received from the FERC Office of Enforcement (and Duke's responses thereto) during 2023 and 2024 regarding any audit performed or to be performed by the FERC Office of Enforcement's Division of Audits and Accounting. Please provide any completed or draft audit report received from the FERC Office of Enforcement."

RESPONSE:

Objection. This request seeks information that is overbroad, unduly burdensome and is irrelevant and not likely to lead to the discovery of any relevant or admissible information. Without waiving said objections, and to the extent discoverable, Duke Energy Kentucky did not receive any communications regarding audits by FERC Office of Enforcement in 2023 or 2024.

PERSON RESPONSIBLE: Legal