

ORIGINAL

In the Matter of:

THE APPLICATION OF KENTUCKY UTILITIES COMPANY)
FOR CERTIFICATES OF PUBLIC CONVENIENCE AND) CASE NO.
NECESSITY AND APPROVAL OF ITS 2011 COMPLIANCE) 2011-00161
PLAN FOR RECOVERY BY ENVIRONMENTAL SURCHARGE)

In the Matter of:

THE APPLICATION OF LOUISVILLE GAS AND ELECTRIC)
COMPANY FOR CERTIFICATES OF PUBLIC CONVENIENCE) CASE NO.
AND NECESSITY AND APPROVAL OF ITS 2011 COMPLIANCE) 2011-00162
PLAN FOR RECOVERY BY ENVIRONMENTAL SURCHARGE)

**Vol. 2/2 of One Paper Copy of Workpapers for Responses to
the Commission Staff's Third Request for Information
Filed - November 3, 2011**

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Discount Rate: 6.71%

KPSIC 3rd Data Request - Cases5 (Brown1-2 Breakeven)

SM	NEVER	2011	2000	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
MFE Capital																									
No Retirements																									
Retire TY	883	4,778	11,562	18,173	24,637	30,976	37,210	43,545	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	
Retire TY GR3	866	4,778	11,562	18,173	24,637	30,976	36,456	42,067	47,911	53,933	59,920	65,506	70,402	75,754	81,568	87,770	94,370	101,369	108,776	116,599	124,849	133,543	142,691	152,293	
Retire TY GR3 and BR3	860	4,778	11,562	18,173	24,637	30,976	36,146	42,067	47,911	53,735	59,396	64,506	69,074	74,125	79,729	85,893	92,634	99,969	107,907	116,456	125,624	135,420	145,853	156,934	
Retire TY GR3 and BR4	813	4,778	11,562	18,173	24,637	30,976	34,004	39,614	45,133	50,558	55,887	61,119	66,249	71,285	76,231	81,089	85,863	90,552	95,166	100,703	106,172	111,584	116,948	122,269	
Retire TY GR3 CR4 and GR6	824	4,778	11,562	18,173	24,637	30,976	34,418	40,094	45,680	51,172	56,569	61,869	67,088	72,175	77,155	82,013	86,756	91,394	95,927	100,356	104,681	108,904	113,026	117,048	
Retire TY GR3 CR6 and BR1-2	794	4,778	11,562	18,173	24,637	30,976	33,038	38,483	43,851	49,136	54,339	59,469	64,539	69,569	74,559	79,507	84,414	89,283	94,116	98,914	103,676	108,404	113,099	117,764	
Retire TY GR3 CR and CR	809	4,778	11,562	18,173	24,637	30,976	33,623	39,238	44,705	50,082	55,367	60,557	65,650	70,652	75,569	80,403	85,156	89,828	94,419	98,929	103,358	107,706	111,974	116,166	
Retire TY GR3 CR and GH3	724	4,778	11,562	18,173	24,637	30,976	29,800	34,714	39,550	44,305	48,978	53,566	58,067	62,487	66,825	71,080	75,252	79,343	83,354	87,285	91,136	94,907	98,598	102,209	
Retire TY GR3 CR and GH1	725	4,778	11,562	18,173	24,637	30,976	29,840	34,761	39,604	44,366	49,044	53,639	58,146	62,567	66,906	71,161	75,333	79,424	83,435	87,366	91,217	94,988	98,679	102,290	
Retire TY GR CR and MC4	800	4,778	11,562	18,173	24,637	30,976	32,351	38,795	45,133	51,363	57,488	63,511	69,434	75,257	80,980	86,603	92,126	97,559	102,892	108,135	113,288	118,351	123,324	128,207	
Retire TY GR CR and TCI	715	4,778	11,562	18,173	24,637	30,976	31,740	38,154	44,598	50,983	57,317	63,502	69,537	75,423	81,160	86,758	92,217	97,546	102,745	107,814	112,753	117,572	122,281	126,880	
Retire TY GR CR and GH4	715	4,778	11,562	18,173	24,637	30,976	29,376	35,796	42,199	48,516	54,730	60,842	66,853	72,764	78,575	84,286	89,897	95,408	100,819	106,130	111,341	116,452	121,463	126,374	
Retire TY GR CR and MGS	731	4,778	11,562	18,173	24,637	30,976	30,029	36,449	42,868	49,214	55,487	61,698	67,847	73,934	79,969	85,952	91,884	97,765	103,596	109,377	115,108	120,789	126,420	132,001	
Retire TY GR CR and GH2	714	4,778	11,562	18,173	24,637	30,976	29,335	35,754	42,173	48,510	54,756	60,902	66,948	72,894	78,740	84,486	90,132	95,678	101,124	106,470	111,716	116,862	121,908	126,854	
Retire TY GR CR and MC1-2	693	4,778	11,562	18,173	24,637	30,976	28,274	34,935	41,596	48,257	54,918	61,579	68,240	74,891	81,542	88,193	94,844	101,495	108,146	114,797	121,448	128,099	134,750	141,401	
Retire TY GR CR and BR1-2	770	4,778	11,562	18,173	24,637	30,976	31,871	37,129	42,387	47,645	52,903	58,161	63,419	68,677	73,935	79,193	84,451	89,709	94,967	100,225	105,483	110,741	116,000	121,258	
Retire TY GR CR BR1-2 and MC1-2	663	4,778	11,562	18,173	24,637	30,976	26,893	33,238	39,583	45,928	52,273	58,618	64,963	71,308	77,653	83,998	90,343	96,688	103,033	109,378	115,723	122,068	128,413	134,758	
MFE Capital Delta																									
No Retirements																									
Retire TY	-16	0	0	0	0	0	-754	-878	-989	-1,118	-1,234	-1,347	-1,458	-1,568	-1,677	-1,787	-1,898	-2,008	-2,119	-2,230	-2,341	-2,453	-2,565	-2,678	
Retire TY GR3	-7	0	0	0	0	0	-309	-360	-410	-458	-506	-553	-598	-643	-689	-734	-780	-825	-871	-918	-964	-1,011	-1,057	-1,104	
Retire TY GR3 and BR3	-47	0	0	0	0	0	-2,143	-2,493	-2,838	-3,176	-3,508	-3,834	-4,153	-4,469	-4,780	-5,111	-5,435	-5,762	-6,092	-6,423	-6,754	-7,085	-7,416	-7,747	
Retire TY GR3 and BR4	-14	0	0	0	0	0	-678	-780	-889	-1,006	-1,109	-1,210	-1,308	-1,405	-1,501	-1,596	-1,691	-1,786	-1,880	-1,974	-2,023	-2,073	-2,123	-2,178	
Retire TY GR3 CR4 and GR6	-21	0	0	0	0	0	-1,050	-1,233	-1,392	-1,557	-1,718	-1,874	-2,026	-2,175	-2,324	-2,471	-2,619	-2,765	-2,911	-3,056	-3,132	-3,210	-3,293	-3,378	
Retire TY GR3 CR6 and BR1-2	-30	0	0	0	0	0	-1,380	-1,666	-1,828	-2,046	-2,280	-2,470	-2,618	-2,769	-2,923	-3,080	-3,240	-3,402	-3,565	-3,728	-3,891	-4,054	-4,217	-4,381	
Retire TY GR3 and CR	-15	0	0	0	0	0	-735	-856	-975	-1,090	-1,212	-1,312	-1,418	-1,522	-1,626	-1,730	-1,833	-1,936	-2,038	-2,139	-2,242	-2,344	-2,447	-2,551	
Retire TY GR3 CR and GH3	-85	0	0	0	0	0	-3,843	-4,524	-5,155	-5,777	-6,389	-6,991	-7,583	-8,165	-8,748	-9,331	-9,914	-10,497	-11,111	-11,716	-12,327	-12,940	-13,557	-14,184	
Retire TY GR3 CR and GH1	-84	0	0	0	0	0	-3,843	-4,477	-5,101	-5,717	-6,322	-6,918	-7,504	-8,080	-8,655	-9,231	-9,814	-10,402	-10,995	-11,511	-12,027	-12,544	-13,061	-13,578	
Retire TY GR CR and CR	-9	0	0	0	0	0	-432	-503	-572	-640	-707	-772	-836	-899	-962	-1,026	-1,089	-1,153	-1,217	-1,282	-1,347	-1,412	-1,477	-1,543	
Retire TY GR CR and MC4	-85	0	0	0	0	0	-3,931	-4,581	-5,219	-5,846	-6,461	-7,064	-7,654	-8,231	-8,803	-9,376	-9,950	-10,526	-11,103	-11,682	-12,263	-12,846	-13,430	-14,016	
Retire TY GR CR and TCI	-19	0	0	0	0	0	-855	-996	-1,135	-1,272	-1,407	-1,539	-1,670	-1,799	-1,927	-2,057	-2,188	-2,320	-2,453	-2,588	-2,725	-2,863	-3,002	-3,144	
Retire TY GR CR and GH4	-85	0	0	0	0	0	-3,875	-4,514	-5,144	-5,765	-6,376	-6,977	-7,567	-8,148	-8,726	-9,308	-9,895	-10,488	-11,088	-11,692	-12,302	-12,917	-13,538	-14,166	
Retire TY GR CR and MGS	-86	0	0	0	0	0	-3,222	-3,755	-4,278	-4,792	-5,296	-5,790	-6,274	-6,747	-7,216	-7,685	-8,156	-8,629	-9,102	-9,576	-10,052	-10,530	-11,009	-11,489	
Retire TY GR CR and GH2	-86	0	0	0	0	0	-3,916	-4,562	-5,198	-5,825	-6,442	-7,049	-7,646	-8,233	-8,815	-9,405	-9,999	-10,599	-11,204	-11,814	-12,430	-13,052	-13,680	-14,314	
Retire TY GR CR and MC1-2	-107	0	0	0	0	0	-4,977	-5,800	-6,609	-7,403	-8,182	-8,945	-9,692	-10,423	-11,146	-11,872	-12,599	-13,328	-14,060	-14,795	-15,529	-16,266	-17,008	-17,748	
Retire TY GR CR and BR1-2	-30	0	0	0	0	0	-1,380	-1,606	-1,828	-2,046	-2,260	-2,470	-2,675	-2,879	-3,085	-3,292	-3,501	-3,712	-3,925	-4,139	-4,356	-4,574	-4,794	-5,017	
Retire TY GR CR BR1-2 and MC1-2	-107	0	0	0	0	0	-4,977	-5,800	-6,609	-7,403	-8,182	-8,945	-9,692	-10,423	-11,146	-11,872	-12,599	-13,328	-14,060	-14,795	-15,529	-16,266	-17,008	-17,748	
Landfill Capital																									
No Retirements																									
Retire TY	651	936	3,049	4,083	3,979	4,416	39,767	41,494	43,787	46,239	54,623	57,334	57,334	57,334	61,040	65,618	70,665	76,152	82,121	88,518	95,331	104,979	105,473	112,416	
Retire TY GR3	651	936	3,049	4,083	3,979	4,416	39,767	41,494	43,787	46,239	54,623	57,334	57,334	61,040	65,618	70,665	76,152	82,121	88,518	95,331	104,979	105,473	112,416	114,016	
Retire TY GR3 and BR3	623	936	3,049	4,083	3,979	4,416	37,951	39,624	41,357	45,703	51,388	56,924	56,924	61,276	67,072	75,058	79,889	80,799	80,799	80,799	80,799	80,799	80,799	80,799	
Retire TY GR3 and BR4	690	678	2,210	2,219	2,884	3,200	37,607	39,545	42,143	46,312	52,051	56,774	56,774	61,132	67,										

Discount Rate: 6.71%

KPS3rd Data Request - Case5 (Browm1-2 Breakeven)

SM	NEVER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and M4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	-42	0	0	0	0	-1,985	-2,066	-2,172	-2,216	-2,280	-2,305	-2,351	-2,398	-2,446	-2,495	-2,545	-2,596	-2,648	-2,699	-2,751	-2,803	-2,855	-2,907	-2,959	-3,011
Retire TY GR CR and GH4	-103	0	0	0	0	-5,668	-6,038	-6,522	-7,433	-8,153	-8,835	-9,297	-9,789	-10,881	-12,614	-14,401	-15,969	-17,736	-19,610	-21,599	-23,702	-25,920	-28,254	-30,704	-33,273
Retire TY GR CR and M3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-104	0	0	0	0	0	-5,727	-6,101	-6,691	-7,510	-8,238	-8,927	-9,394	-10,994	-12,745	-14,551	-15,732	-16,900	-18,158	-19,506	-20,944	-22,472	-24,090	-25,798	-27,596
Retire TY GR CR and MCL-2	-18	0	0	0	0	0	-1,170	-1,205	-1,264	-1,354	-1,484	-1,654	-1,869	-2,125	-2,427	-2,779	-3,184	-3,645	-4,166	-4,750	-5,399	-6,116	-6,904	-7,776	-8,736
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Capital

No Retirements	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and BR3	238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and GH4	228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 GR4 and CR6	212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 GR4 CR6 and BR1-2	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH2	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and M4	173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and M3	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Capital Delta

No Retirements	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and BR3	-23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 GR4 and CR6	-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 GR4 CR6 and BR1-2	-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and M4	-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and M3	-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2	-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Capital

No Retirements	7,952	11,645	80,560	224,434	420,468	576,577	701,059	744,900	755,435	735,549	714,628	699,044	719,457	746,477	761,645	754,532	739,737	730,758	751,535	784,952	790,807	768,256	765,309	773,377
Retire TY	7,952	11,645	79,637	224,477	420,229	576,079	700,079	724,085	727,070	735,965	727,070	699,044	719,457	746,477	761,645	754,532	739,737	730,758	751,535	784,952	790,807	768,256	765,309	773,377
Retire TY GR and BR3	7,971	11,665	78,314	219,936	423,544	577,974	697,241	691,336	730,742	745,707	748,945	740,088	740,137	747,788	759,650	765,664	765,111	762,220	765,769	747,041	745,131	743,655	743,655	743,655
Retire TY GR3 and BR3	6,095	11,665	78,110	217,475	423,699	583,183	695,538	705,073	751,969	747,551	747,788	740,088	740,137	747,788	759,650	765,664	765,111	762,220	765,769	747,041	745,131	743,655	743,655	743,655
Retire TY GR3 and GH4	7,723	10,323	70,142	195,645	379,278	561,717	697,241	691,336	730,742	745,707	748,945	740,088	740,137	747,788	759,650	765,664	765,111	762,220	765,769	747,041	745,131	743,655	743,655	743,655
Retire TY GR3 GR4 and CR6	7,455	7,890	58,391	167,598	336,314	496,668	613,599	618,561	646,993	674,981	712,158	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900
Retire TY GR3 GR4 CR6 and BR1-2	7,254	7,001	51,885	146,049	307,553	467,951	617,302	658,469	694,641	698,332	668,042	655,378	666,107	672,341	672,656	670,511	669,013	669,013	669,013	669,013	669,013	669,013	669,013	669,013
Retire TY GR3 and CR	7,344	6,549	49,662	133,985	276,537	444,582	604,412	618,561	646,993	674,981	712,158	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900
Retire TY GR3 CR and GH1	7,340	6,564	49,662	133,985	276,537	444,582	604,412	618,561	646,993	674,981	712,158	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900	678,900
Retire TY GR CR and CR	7,021	6,564	47,742	129,436																				

Discount Rate:

KFS3 and Data - Cases (Brown1-2 Breakeven)

Table with 36 columns representing years from 2000 to 2036. It contains data for 'Retire TY' across various categories like GR3, GR4, BR1-2, etc., with values ranging from 0 to 35,000.

Total Revenue Requirements:Delta

Table showing total revenue requirements (Delta) for 'No Retirements' across various categories. Values are generally negative, ranging from approximately -1,000 to -100,000.

Total Revenue Requirements: Cumulative Delta

Table showing cumulative total revenue requirements across various categories. Values range from approximately -1,000 to -1,000,000.

System SO2 Emissions Expense

Table showing system SO2 emissions expense for 'No Retirements' across various categories. Values are generally small, ranging from 0 to 1,000.

KFS3rd Data Request - Case5 (Brown1-2 Breakeven)

Discount Rate: 6.71%

REV/YR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
\$M	5000																							
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333	1,639	42,765	40,729	43,909	38,253	49,699	15,821	20,101	19,496	20,417	20,158	20,476	20,529	20,915	20,788	20,355	20,987	20,638	21,791	21,008	21,335	21,423	20,739	20,739
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Annual NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR2 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

127	9,575	11,941	12,304	15,891	15,457	14,118	14,297	6,336	6,302	6,443	6,346	6,359	6,435	6,324	6,374	6,350	6,415	6,333	6,420	6,511	6,430	6,583	6,462	6,462
125	9,925	11,941	12,304	15,890	15,619	13,119	13,066	6,265	6,296	6,397	6,255	6,281	6,345	6,263	6,295	6,210	6,281	6,233	6,288	6,372	6,276	6,446	6,303	6,303
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

System Gross NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

129	377	13,091	13,709	17,024	15,798	15,461	15,277	7,065	7,194	7,109	7,227	7,179	7,218	7,126	7,111	7,128	7,087	7,064	7,039	7,145	7,211	7,019	7,183	7,152
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

System Total Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

596	11,942	67,795	65,743	77,565	70,940	49,622	49,844	33,589	33,554	34,487	34,305	34,605	34,766	34,999	35,030	34,633	35,492	35,742	35,598	35,761	36,127	35,988	35,988	35,988
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total RR Minus Emissions Expense

No Retirements
 Retire TY

34,598	11,679,857	1,376,187	1,562,277	1,852,032	2,092,739	2,350,840	2,382,192	2,484,105	2,564,017	2,611,584	2,699,642	2,745,675	2,835,455	2,949,854	3,006,313	3,128,208	3,119,722	3,246,179	3,332,552	3,419,614	3,427,001	3,485,974	3,609,911	3,609,911
34,564	11,679,937	1,374,864	1,559,920	1,879,045	2,120,272	2,339,008	2,365,296	2,462,116	2,544,147	2,594,250	2,687,148	2,745,638	2,832,042	2,937,151	2,989,655	3,116,841	3,109,742	3,253,912	3,357,545	3,443,983	3,446,537	3,494,779	3,574,194	3,574,194

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

New Unit Capital and Production Cost

Table with columns for unit types (e.g., Retire TY GR and GH3) and years (2034-2058). Rows list various unit categories and their corresponding values for each year.

Production Cost

Table with columns for unit types (e.g., No Retirements, Retire TY) and years (2034-2058). Rows list production costs for different unit categories.

Production Cost Data

Table with columns for unit types (e.g., No Retirements, Retire TY) and years (2034-2058). Rows list production cost data for various unit categories.

New Unit Capital

Table with columns for unit types (e.g., No Retirements, Retire TY) and years (2034-2058). Rows list new unit capital for different unit categories.

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

MPL Capital

Table with columns for retirement status (No Retirements, Retire TY, etc.) and values for years 2034 through 2058.

MPL Capital Delta

Table with columns for retirement status (No Retirements, Retire TY, etc.) and values for years 2034 through 2058.

Landfill Capital

Table with columns for retirement status (No Retirements, Retire TY, etc.) and values for years 2034 through 2058.

Landfill Capital Delta

Table with columns for retirement status (No Retirements, Retire TY, etc.) and values for years 2034 through 2058.

Discount Rate:

	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Retire TV	3,669,608	3,806,724	3,942,832	4,079,940	4,217,048	4,354,156	4,491,264	4,628,372	4,765,480	4,902,588	5,039,696	5,176,804	5,313,912	5,451,020	5,588,128	5,725,236	5,862,344	6,000,000	6,137,656	6,275,312	6,412,968	6,550,624	6,688,280	6,825,936	6,963,592	7,101,248	7,238,904	7,376,560	7,514,216	7,651,872	7,789,528	7,927,184	8,064,840	8,202,496	8,340,152	8,477,808	8,615,464	8,753,120	8,890,776	9,028,432	9,166,088	9,303,744	9,441,400	9,579,056	9,716,712	9,854,368	9,992,024	10,129,680	10,267,336	10,404,992	10,542,648	10,680,304	10,817,960	10,955,616	11,093,272	11,230,928	11,368,584	11,506,240	11,643,896	11,781,552	11,919,208	12,056,864	12,194,520	12,332,176	12,469,832	12,607,488	12,745,144	12,882,800	13,020,456	13,158,112	13,295,768	13,433,424	13,571,080	13,708,736	13,846,392	13,984,048	14,121,704	14,259,360	14,397,016	14,534,672	14,672,328	14,809,984	14,947,640	15,085,296	15,222,952	15,360,608	15,498,264	15,635,920	15,773,576	15,911,232	16,048,888	16,186,544	16,324,200	16,461,856	16,599,512	16,737,168	16,874,824	17,012,480	17,150,136	17,287,792	17,425,448	17,563,104	17,700,760	17,838,416	17,976,072	18,113,728	18,251,384	18,389,040	18,526,696	18,664,352	18,802,008	18,939,664	19,077,320	19,214,976	19,352,632	19,490,288	19,627,944	19,765,600	19,903,256	20,040,912	20,178,568	20,316,224	20,453,880	20,591,536	20,729,192	20,866,848	21,004,504	21,142,160	21,279,816	21,417,472	21,555,128	21,692,784	21,830,440	21,968,096	22,105,752	22,243,408	22,381,064	22,518,720	22,656,376	22,794,032	22,931,688	23,069,344	23,206,900	23,344,556	23,482,212	23,619,868	23,757,524	23,895,180	24,032,836	24,170,492	24,308,148	24,445,804	24,583,460	24,721,116	24,858,772	24,996,428	25,134,084	25,271,740	25,409,396	25,547,052	25,684,708	25,822,364	25,960,020	26,097,676	26,235,332	26,372,988	26,510,644	26,648,300	26,785,956	26,923,612	27,061,268	27,198,924	27,336,580	27,474,236	27,611,892	27,749,548	27,887,204	28,024,860	28,162,516	28,300,172	28,437,828	28,575,484	28,713,140	28,850,796	28,988,452	29,126,108	29,263,764	29,401,420	29,539,076	29,676,732	29,814,388	29,952,044	30,089,700	30,227,356	30,365,012	30,502,668	30,640,324	30,777,980	30,915,636	31,053,292	31,190,948	31,328,604	31,466,260	31,603,916	31,741,572	31,879,228	32,016,884	32,154,540	32,292,196	32,429,852	32,567,508	32,705,164	32,842,820	32,980,476	33,118,132	33,255,788	33,393,444	33,531,100	33,668,756	33,806,412	33,944,068	34,081,724	34,219,380	34,357,036	34,494,692	34,632,348	34,770,004	34,907,660	35,045,316	35,182,972	35,320,628	35,458,284	35,595,940	35,733,596	35,871,252	36,008,908	36,146,564	36,284,220	36,421,876	36,559,532	36,697,188	36,834,844	36,972,500	37,110,156	37,247,812	37,385,468	37,523,124	37,660,780	37,798,436	37,936,092	38,073,748	38,211,404	38,349,060	38,486,716	38,624,372	38,762,028	38,899,684	39,037,340	39,174,996	39,312,652	39,450,308	39,587,964	39,725,620	39,863,276	39,999,932	40,137,588	40,275,244	40,412,900	40,550,556	40,688,212	40,825,868	40,963,524	41,101,180	41,238,836	41,376,492	41,514,148	41,651,804	41,789,460	41,927,116	42,064,772	42,202,428	42,340,084	42,477,740	42,615,396	42,753,052	42,890,708	43,028,364	43,166,020	43,303,676	43,441,332	43,578,988	43,716,644	43,854,300	43,991,956	44,129,612	44,267,268	44,404,924	44,542,580	44,680,236	44,817,892	44,955,548	45,093,204	45,230,860	45,368,516	45,506,172	45,643,828	45,781,484	45,919,140	46,056,796	46,194,452	46,332,108	46,469,764	46,607,420	46,745,076	46,882,732	47,020,388	47,158,044	47,295,700	47,433,356	47,571,012	47,708,668	47,846,324	47,983,980	48,121,636	48,259,292	48,396,948	48,534,604	48,672,260	48,809,916	48,947,572	49,085,228	49,222,884	49,360,540	49,498,196	49,635,852	49,773,508	49,911,164	50,048,820	50,186,476	50,324,132	50,461,788	50,599,444	50,737,100	50,874,756	51,012,412	51,150,068	51,287,724	51,425,380	51,563,036	51,700,692	51,838,348	51,976,004	52,113,660	52,251,316	52,388,972	52,526,628	52,664,284	52,801,940	52,939,596	53,077,252	53,214,908	53,352,564	53,490,220	53,627,876	53,765,532	53,903,188	54,040,844	54,178,500	54,316,156	54,453,812	54,591,468	54,729,124	54,866,780	55,004,436	55,142,092	55,279,748	55,417,404	55,555,060	55,692,716	55,830,372	55,968,028	56,105,684	56,243,340	56,380,996	56,518,652	56,656,308	56,793,964	56,931,620	57,069,276	57,206,932	57,344,588	57,482,244	57,619,900	57,757,556	57,895,212	58,032,868	58,170,524	58,308,180	58,445,836	58,583,492	58,721,148	58,858,804	58,996,460	59,134,116	59,271,772	59,409,428	59,547,084	59,684,740	59,822,396	59,960,052	60,097,708	60,235,364	60,373,020	60,510,676	60,648,332	60,785,988	60,923,644	61,061,300	61,198,956	61,336,612	61,474,268	61,611,924	61,749,580	61,887,236	62,024,892	62,162,548	62,300,204	62,437,860	62,575,516	62,713,172	62,850,828	62,988,484	63,126,140	63,263,796	63,401,452	63,539,108	63,676,764	63,814,420	63,952,076	64,089,732	64,227,388	64,365,044	64,502,700	64,640,356	64,778,012	64,915,668	65,053,324	65,190,980	65,328,636	65,466,292	65,603,948	65,741,604	65,879,260	66,016,916	66,154,572	66,292,228	66,429,884	66,567,540	66,705,196	66,842,852	66,980,508	67,118,164	67,255,820	67,393,476	67,531,132	67,668,788	67,806,444	67,944,100	68,081,756	68,219,412	68,357,068	68,494,724	68,632,380	68,770,036	68,907,692	69,045,348	69,183,004	69,320,660	69,458,316	69,595,972	69,733,628	69,871,284	70,008,940	70,146,596	70,284,252	70,421,908	70,559,564	70,697,220	70,834,876	70,972,532	71,110,188	71,247,844	71,385,500	71,523,156	71,660,812	71,798,468	71,936,124	72,073,780	72,211,436	72,349,092	72,486,748	72,624,404	72,762,060	72,899,716	73,037,372	73,175,028	73,312,684	73,450,340	73,587,996	73,725,652	73,863,308	74,000,964	74,138,620	74,276,276	74,413,932	74,551,588	74,689,244	74,826,900	74,964,556	75,102,212	75,239,868	75,377,524	75,515,180	75,652,836	75,790,492	75,928,148	76,065,804	76,203,460	76,341,116	76,478,772	76,616,428	76,754,084	76,891,740	77,029,396	77,167,052	77,304,708	77,442,364	77,580,020	77,717,676	77,855,332	77,992,988	78,130,644	78,268,300	78,405,956	78,543,612	78,681,268	78,818,924	78,956,580	79,094,236	79,231,892	79,369,548	79,507,204	79,644,860	79,782,516	79,920,172	80,057,828	80,195,484	80,333,140	80,470,796	80,608,452	80,746,108	80,883,764	81,021,420	81,159,076	81,296,732	81,434,388	81,572,044	81,709,700	81,847,356	81,985,012	82,122,668	82,260,324	82,397,980	82,535,636	82,673,292	82,810,948	82,948,604	83,086,260	83,223,916	83,361,572	83,499,228	83,636,884	83,774,540	83,912,196	84,049,852	84,187,508	84,325,164	84,462,820	84,600,476	84,738,132	84,875,788	85,013,444	85,151,100	85,288,756	85,426,412	85,564,068	85,701,724	85,839,380	85,977,036	86,114,692	86,252,348	86,390,004	86,527,660	86,665,316	86,802,972	86,940,628	87,078,284	87,215,940	87,353,596	87,491,252	87,628,908	87,766,564	87,904,220	88,041,876	88,179,532	88,317,188	88,454,844	88,592,500	88,730,156	88,867,812	89,005,468	89,143,124	89,280,780	89,418,436	89,556,092	89,693,748	89,831,404	89,969,060	90,106,716	90,244,372	90,382,028	90,519,684	90,657,340	90,794,996	90,932,652	91,070,308	91,207,964	91,345,620	91,483,276	91,620,932	91,758,588	91,896,244	92,033,900	92,171,556	92,309,212	92,446,868	92,584,524	92,722,180	92,859,836	92,997,492	93,135,148	93,272,804	93,410,460	93,548,116	93,685,772	93,823,428	93,961,084	94,098,740	94,236,396	94,374,052	94,511,708	94,649,364	94,787,020	94,924,676	95,062,332	95,200,000	95,337,656	95,475,312	95,612,968	95,750,624	95,888,280	96,025,936	96,163,592	96,301,248	96,438,904	96,576,560	96,714,216	96,851,872	96,989,528	97,127,184	97,264,840	97,402,496	97,540,152	97,677,808	97,815,464	97,953,120	98,090,776	98,228,432	98,366,088	98,503,744	98,641,400	98,779,056	98,916,712	99,054,368	99,192,024	99,329,680	99,467,336	99,604,992	99,742,648	99,880,304	100,017,960	100,155,616	100,293,272	100,430,928	100,568,584	100,706,240	100,843,896	100,981,552	101,119,208	101,256,864	101,394,520	101,532,176	101,669,832	101,807,488	101,945,144	102,082,800	102,220,456	102,358,112	102,495,768	102,633,424	102,771,080	102,908,736	103,046,392	103,184,048	103,321,704	103,459,360	103,597,016	103,734,672	103,872,328	104,009,984	104,147,640	104,285,296	104,422,952	104,560,608	104,698,264	104,835,9

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCS
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCS
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCS
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

MTE Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

MTE Capital Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Landfill Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Landfill Capital Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MC1-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MC1-2																				

Water Capital

No Retirements

Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR CR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MC1-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MC1-2																				

Water Capital Delta

No Retirements

Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MC1-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MC1-2																				

Total Capital

No Retirements

Retire TY	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TC1	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Capital Delta

Retire TY	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Discount Rates:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement O&M Cost

No Retirements

Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CR4	0
Retire TY GR3 CR4 and CR6	0
Retire TY GR3 CR4 CR6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR3 CR and CR	0
Retire TY GR CR and MC4	0
Retire TY GR CR and TC1	0
Retire TY GR CR and GH4	0
Retire TY GR CR and MC3	0
Retire TY GR CR and GH2	0
Retire TY GR CR and MC1-2	0
Retire TY GR CR and BR1-2	0
Retire TY GR CR BR1-2 and MC1-2	0

Retirement O&M Cost Delta

No Retirements

Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CR4	0
Retire TY GR3 CR4 and CR6	0
Retire TY GR3 CR4 CR6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR3 CR and CR	0
Retire TY GR CR and MC4	0
Retire TY GR CR and TC1	0
Retire TY GR CR and GH4	0
Retire TY GR CR and MC3	0
Retire TY GR CR and GH2	0
Retire TY GR CR and MC1-2	0
Retire TY GR CR and BR1-2	0
Retire TY GR CR BR1-2 and MC1-2	0

Existing Unit Fixed O&M

No Retirements

Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CR4	0
Retire TY GR3 CR4 and CR6	0
Retire TY GR3 CR4 CR6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR and CR	0

Discount Rate:

2029 2030 2051 2062 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BRL-2
 Retire TY GR CR BRL-2 and MCI-2

Existing Unit Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BRL-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BRL-2
 Retire TY GR CR BRL-2 and MCI-2

New Controls Fixed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BRL-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BRL-2
 Retire TY GR CR BRL-2 and MCI-2

New Controls Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BRL-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BRL-2
 Retire TY GR CR BRL-2 and MCI-2

Total Revenue Requirements

No Retirements 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

2039 2040 2041 2042 2043 2044 2045 2046 2047 2048

Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Annual NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Ozone NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Total Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total RR Minus Emissions Expense

No Retirements
 Retire TY

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCA																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCI-2																					

Total BR Minus Emittions Expense Delta

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR and CR																					
Retire TY GR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCA																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCI-2																					

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	5,183	4,991	4,800	4,608	4,417	4,225	4,033	3,842	3,650	3,458	3,267	1,327	0	0	0	0	0	0	0	0	0	0	0
BR	BR1	224	216	208	199	191	183	174	166	158	150	141	57	0	0	0	0	0	0	0	0	0	0	0
BR	BR1	3,916	3,788	3,660	3,532	3,404	3,276	3,149	3,021	2,893	2,765	2,637	2,509	2,382	2,254	2,126	0	0	0	0	0	0	0	0
BR	BR2	5,535	5,322	5,109	4,896	4,682	4,469	4,256	4,042	3,829	3,616	3,404	1,180	0	0	0	0	0	0	0	0	0	0	0
BR	BR2	2,222	2,135	2,052	1,969	1,887	1,799	1,715	1,624	1,534	1,445	1,355	47	0	0	0	0	0	0	0	0	0	0	0
BR	BR2	6,300	6,087	5,874	5,662	5,449	5,236	5,024	4,811	4,598	4,386	4,173	3,960	3,747	3,535	3,322	0	0	0	0	0	0	0	0
BR	BR3	6,095	5,883	5,670	5,457	5,244	5,032	4,819	4,607	4,394	4,181	3,969	3,757	3,545	3,333	3,120	0	0	0	0	0	0	0	0
GH	GH1	6,673	6,321	5,969	5,617	5,264	4,912	4,560	4,208	3,856	3,504	3,152	2,800	2,448	2,096	1,744	0	0	0	0	0	0	0	0
GH	GH1	738	699	661	623	585	547	509	471	433	395	357	319	281	243	205	0	0	0	0	0	0	0	0
GH	GH2	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,487	6,261	6,035	5,809	5,583	5,357	5,131	4,905	4,679	4,453	4,227	4,001	3,775	3,549	3,323
GH	GH2	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	219	207	196	184	173	161	150
GH	GH2	15,845	15,446	15,047	14,648	14,250	13,851	13,452	13,053	12,654	12,255	11,857	11,458	11,059	10,660	10,262	9,863	9,464	9,065	8,667	8,268	7,869	7,470	7,071
GH	GH3	9,669	9,372	9,075	8,777	8,480	8,183	7,886	7,589	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,914	4,617	4,320	4,023	3,726	3,429	3,132
GH	GH3	809	782	756	730	703	677	650	624	598	571	545	518	492	465	439	413	387	361	335	309	283	257	231
GH	GH4	8,900	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,705	5,414	5,123	4,833	4,542	4,251	3,960	3,669	3,378	3,087	2,796	2,505
GH	GH4	814	786	758	730	701	673	645	617	589	561	532	504	476	448	420	392	364	336	308	280	252	224	196
MC	MC1	8,313	7,850	7,388	6,925	6,463	6,000	5,538	5,075	4,612	4,150	3,688	3,225	2,762	2,300	1,837	1,375	813	350	0	0	0	0	0
MC	MC1	6,754	6,377	5,999	5,622	5,245	4,868	4,491	4,114	3,737	3,360	2,983	2,606	2,229	1,852	1,475	1,098	721	344	0	0	0	0	0
MC	MC1	16,114	15,816	15,518	15,220	14,922	14,624	14,326	14,028	13,730	13,432	13,134	12,836	12,538	12,240	11,942	11,644	11,346	11,048	10,750	10,452	10,154	9,856	9,558
MC	MC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	5,967	5,626	5,285	4,944	4,603	4,262	3,921	3,580	3,239	2,898	2,557	2,216	1,875	1,534	1,193	852	511	170	0	0	0	0	0
MC	MC3	3,388	3,214	3,040	2,866	2,692	2,518	2,344	2,170	1,996	1,822	1,648	1,474	1,300	1,126	952	778	604	430	256	82	0	0	0
MC	MC3	77	73	69	64	60	56	51	47	43	39	35	31	27	23	19	15	11	7	3	0	0	0	0
MC	MC3	6,834	6,499	6,165	5,830	5,495	5,160	4,825	4,490	4,155	3,820	3,485	3,150	2,815	2,480	2,145	1,810	1,475	1,140	805	470	135	0	0
MC	MC3	691	652	613	574	535	496	457	418	379	340	301	262	223	184	145	106	67	28	0	0	0	0	0
MC	MC4	10,183	9,661	9,139	8,617	8,095	7,573	7,051	6,529	6,007	5,485	4,963	4,441	3,919	3,397	2,875	2,353	1,831	1,309	787	265	0	0	0
MC	MC4	226	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	7,069	6,707	6,344	5,981	5,618	5,255	4,892	4,529	4,166	3,803	3,440	3,077	2,714	2,351	1,988	1,625	1,262	900	537	174	0	0	0
MC	MC4	789	748	708	668	628	588	548	508	468	428	388	348	308	268	228	188	148	108	68	28	0	0	0
TC	TC1	6,171	5,897	5,623	5,349	5,075	4,801	4,527	4,253	3,979	3,705	3,431	3,157	2,883	2,609	2,335	2,061	1,787	1,513	1,239	965	691	417	143
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	2,050	1,907	1,884	1,800	1,717	1,634	1,550	1,467	1,384	1,301	1,218	1,135	1,052	969	886	803	720	637	554	471	388	305	222
GR	GR3	57	55	52	50	48	45	43	41	38	35	33	31	29	27	25	23	21	19	17	15	13	11	9
GR	GR3	1,916	1,849	1,782	1,715	1,648	1,581	1,514	1,447	1,380	1,313	1,246	1,179	1,112	1,045	978	911	844	777	710	643	576	509	442
GR	GR4	2,615	2,554	2,495	2,436	2,377	2,318	2,259	2,200	2,141	2,082	2,023	1,964	1,905	1,846	1,787	1,728	1,669	1,610	1,551	1,492	1,433	1,374	1,315
GR	GR4	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate																		
Unit Costs (\$000)																		
BR	BR1		3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135
BR	BR2		6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383
BR	BR3		15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279
CR	CR4		14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560
CR	CR5		11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546
CR	CR6		10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159
GH	GH1		17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240
GH	GH2		12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372
GH	GH3		17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138
GH	GH4		11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659
GR	GR3		4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640
GR	GR4		7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167
MC	MC1		11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389
MC	MC2		16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664
MC	MC3		18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278
MC	MC4		16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308
TC	TC1		17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512
TY	TY3		410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$: 2010 Fixed O&M \$/yr

Year	Month	Year Equipment	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	2014 PUFF/PAC	0	0	0	598,882	610,860	623,077	635,538	648,249	661,214	674,439	687,927	701,686	715,720	730,034	744,635	759,527	774,718
BR	BR1	2014 SAM Mitigation	0	0	0	78,540	137,333	140,079	142,881	145,739	148,653	151,622	154,659	157,752	160,907	164,125	167,408	170,752	174,171
BR	BR2	2014 PUFF/PAC	0	0	0	0	0	0	0	2,141,793	2,184,629	2,228,322	2,272,888	2,318,346	2,364,713	2,412,007	2,460,247	2,509,452	2,559,641
BR	BR2	2014 SAM Mitigation	0	0	0	714,168	728,451	743,020	757,880	773,038	788,499	804,269	820,354	836,761	853,496	870,566	887,978	905,737	923,852
BR	BR2	2014 SAM Mitigation	0	0	0	134,640	137,333	140,079	142,881	145,739	148,653	151,622	154,659	157,752	160,907	164,125	167,408	170,752	174,171
BR	BR3	2015 PUFF/PAC	0	0	0	0	0	0	0	3,260,728	3,325,943	3,392,461	3,460,311	3,529,517	3,600,107	3,672,109	3,745,552	3,820,463	3,896,872
BR	GH1	2014 PUFF/PAC	0	0	0	1,293,082	1,318,944	1,345,322	1,372,229	1,399,673	1,427,667	1,456,220	1,485,345	1,515,052	1,545,353	1,576,260	1,607,785	1,639,941	1,672,739
BR	GH1	2014 SCR Turn-Down	0	0	0	4,899	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	GH1	2013 SAM Mitigation	0	0	0	777,600	1,586,304	1,618,030	1,650,391	1,683,399	1,717,067	1,751,408	1,786,436	1,822,165	1,858,608	1,895,781	1,933,696	1,972,370	2,011,817
BR	GH2	2012 PUFF/PAC	0	0	0	100,674	102,987	104,741	106,836	108,973	111,152	113,375	115,643	117,956	120,315	122,721	125,177	127,679	130,232
BR	GH2	2012 Sorbent Injection	0	0	0	0	0	0	0	7,399,274	7,486,060	7,575,781	7,668,497	7,764,267	7,863,152	7,964,215	8,066,519	8,171,112	
BR	GH3	2015 PUFF/PAC	0	0	0	0	0	0	0	1,384,741	1,412,435	1,440,684	1,469,498	1,498,888	1,528,865	1,559,443	1,590,632	1,622,444	1,654,893
BR	GH3	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	GH3	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	GH4	2015 PUFF/PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	GH4	2015 Combined 1&2 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC1	2015 PUFF/PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC1	2015 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC2	2015 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC2	2015 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC2	2015 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC2	2015 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC3	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC3	2015 PUFF/PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC3	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC3	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC4	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC4	2014 PUFF/PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC4	2014 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC4	2014 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	MC4	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	2016 PUFF/PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	2016 SCR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	2016 PUFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	2016 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	2016 PAC Injection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	2016 SCR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	2016 PUFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	2016 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	2016 PAC Injection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	2016 SCR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	2016 PUFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	2016 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	2016 PAC Injection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	2018 SCR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	2018 CDS-FF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	2016 PAC Injection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	2018 SCR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	2018 CDS-FF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	2016 PAC Injection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Escalation Rate:		2%	Year \$:											
Month	Year Equipment	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	790,212	806,016	822,137	838,580	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,550	1,002,180
BR	BR1	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR1	2,640,834	2,663,051	2,716,312	2,770,638	2,826,051	2,882,572	2,940,223	2,999,028	3,059,008	3,120,188	3,182,592	3,246,244	3,311,169
BR	BR2	942,329	961,175	980,399	1,000,007	1,020,007	1,040,407	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101
BR	BR2	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR2	3,974,809	4,054,305	4,135,392	4,218,099	4,302,461	4,388,511	4,476,281	4,565,806	4,657,123	4,750,265	4,845,270	4,942,176	5,041,019
BR	BR3	1,981,002	1,408,622	1,436,795	1,465,530	1,494,841	1,524,738	1,555,233	1,586,337	1,618,064	1,650,425	1,683,494	1,717,103	1,751,445
GH	GH1	1,706,194	1,740,318	1,775,124	1,810,627	1,846,839	1,883,776	1,921,452	1,959,881	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867
GH	GH1	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH2	2,052,054	2,093,095	2,134,957	2,177,656	2,221,209	2,265,633	2,310,946	2,357,165	2,404,308	2,452,394	2,501,442	2,551,471	2,602,500
GH	GH2	132,837	135,494	138,204	140,968	143,787	146,663	149,598	152,588	155,640	158,753	161,928	165,166	168,470
GH	GH2	8,946,594	9,125,465	9,307,974	9,494,134	9,684,017	9,877,697	10,075,251	10,276,756	10,482,291	10,691,937	10,905,776	11,123,891	11,346,369
GH	GH3	1,687,991	1,721,751	1,756,186	1,791,310	1,827,136	1,863,678	1,900,952	1,939,971	1,977,751	2,017,306	2,057,652	2,098,805	2,140,781
GH	GH3	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4	1,634,782	1,667,477	1,700,827	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299
GH	GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	-136,405	-139,133	-141,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994
MC	MC1	1,870,843	1,908,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,831	2,280,547	2,326,158	2,372,661
MC	MC1	3,877,669	3,955,242	4,034,347	4,115,034	4,197,335	4,281,282	4,366,907	4,454,245	4,543,330	4,634,197	4,726,881	4,821,418	4,917,847
MC	MC2	351,957	358,996	366,176	373,499	380,969	388,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366
MC	MC2	1,835,456	1,872,165	1,909,680	1,947,801	1,986,757	2,026,492	2,067,022	2,108,362	2,150,529	2,193,540	2,237,411	2,282,159	2,327,802
MC	MC2	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC3	3,889,115	3,966,897	4,046,235	4,127,159	4,209,703	4,293,897	4,379,775	4,467,370	4,556,718	4,647,852	4,740,809	4,835,625	4,932,338
MC	MC3	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	1,673,288	1,706,754	1,740,889	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,735	2,039,729	2,080,524	2,122,134
MC	MC3	48,588	49,560	50,551	51,562	52,594	53,645	54,718	55,813	56,929	58,068	59,229	60,414	61,622
MC	MC4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	1,961,738	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958
MC	MC4	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC4	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	1,277,465	1,303,015	1,329,075	1,355,656	1,382,769	1,410,425	1,438,633	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135
CR	CR4	2,672,249	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	1,701,041	1,735,062	1,769,763	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332
CR	CR4	248,515	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177
CR	CR4	241,374	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,233	300,118	306,120
CR	CR5	2,846,495	2,903,425	2,961,493	3,020,723	3,081,137	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	1,786,736	1,822,471	1,859,920	1,898,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013
CR	CR5	252,800	257,856	263,013	268,273	273,638	279,111	284,693	290,387	296,195	302,119	308,161	314,325	320,611
CR	CR5	245,658	250,572	255,538	260,595	265,909	271,227	276,651	282,184	287,828	293,584	299,456	305,445	311,554
CR	CR6	3,416,365	3,484,692	3,554,386	3,625,474	3,697,983	3,771,943	3,847,388	3,924,330	4,002,816	4,082,872	4,164,530	4,247,820	4,332,777
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	2,390,898	2,377,516	2,425,066	2,473,567	2,523,039	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142
CR	CR6	282,793	288,449	294,218	300,104	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650
CR	CR6	272,795	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970
GR	GR3	1,346,836	1,373,773	1,401,248	1,429,273	1,457,859	1,487,016	1,516,756	1,547,091	1,578,033	1,609,594	1,641,786	1,674,622	1,708,114
GR	GR3	4,744,634	4,839,527	4,936,317	5,035,044	5,136,744	5,238,459	5,343,229	5,450,095	5,559,095	5,670,277	5,783,682	5,899,336	6,017,343
GR	GR3	201,363	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402
GR	GR4	1,893,868	1,870,546	1,907,956	1,946,116	1,985,038	2,024,739	2,065,233	2,106,538	2,148,669	2,191,642	2,235,475	2,280,185	2,325,788
GR	GR4	6,154,313	6,277,399	6,402,937	6,531,006	6,661,626	6,794,859	6,930,271	7,068,974	7,210,759	7,354,974	7,502,073	7,652,115	7,805,157
GR	GR4	214,237	218,522	222,892	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036			
BR	BR1	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,061	2,147	2,235		
BR	BR2	146	285	423	571	717	860	1,001	1,139	1,275	1,408	1,538	1,663	1,784	1,902	2,018	2,132	2,245	2,357	2,468	2,579	2,690	2,801	2,912	3,023	3,134	3,245	3,356	3,467	3,578	
BR	BR3	416	285	675	1,053	1,423	1,786	2,143	2,493	2,838	3,176	3,508	3,834	4,153	4,469	4,789	5,111	5,435	5,762	6,092	6,425	6,761	7,100	7,442	7,787	8,136	8,487	8,840	9,195	9,551	
CR	CR4	155	77	204	327	447	564	678	790	899	1,006	1,109	1,210	1,308	1,405	1,501	1,598	1,691	1,786	1,880	1,974	2,073	2,172	2,271	2,370	2,469	2,568	2,667	2,766	2,865	
CR	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,247	2,354	2,461	2,568	2,675	2,782	2,889	3,000	3,111	
CR	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,026	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,201	3,346	3,491	3,637	3,782	3,927	4,072	4,217	4,362	
GH	GH1	475	510	1,206	1,884	2,548	3,200	3,843	4,477	5,101	5,717	6,322	6,918	7,504	8,080	8,653	9,221	9,814	10,402	10,995	11,594	12,199	12,800	13,404	14,008	14,616	15,225	15,835	16,445	17,055	
GH	GH2	484	520	1,228	1,920	2,596	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,817	9,405	9,999	10,599	11,204	11,814	12,429	13,052	13,680	14,314	14,954	15,601	16,251	16,903	17,557	
GH	GH3	480	516	1,218	1,904	2,570	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,744	9,328	9,917	10,511	11,111	11,716	12,327	12,944	13,567	14,196	14,831	15,472	16,119	16,772	17,430	
GH	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,896	10,481	11,071	11,666	12,266	12,871	13,481	14,096	14,716	15,341	15,971	16,606	17,246	
GR	GR3	68	39	96	151	205	258	309	360	410	458	506	553	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247	1,295	1,343	1,391
GR	GR4	95	55	134	211	286	360	432	503	572	640	707	772	836	899	962	1,026	1,089	1,151	1,212	1,272	1,332	1,392	1,452	1,512	1,572	1,632	1,692	1,752	1,812	
MC	MC1	303	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,592	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,277	9,651	10,027	10,403	10,780	
MC	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,194	5,553	5,916	6,279	6,642	7,007	7,373	7,740	8,108	8,477	8,845	9,214	9,584	9,954	10,324	10,694	
MC	MC3	391	398	989	1,565	2,128	2,680	3,222	3,755	4,278	4,792	5,296	5,790	6,274	6,747	7,216	7,685	8,156	8,628	9,102	9,576	10,052	10,529	11,009	11,489	11,971	12,455	12,940	13,426	13,913	
MC	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,461	7,064	7,654	8,231	8,803	9,376	9,950	10,526	11,103	11,683	12,266	12,853	13,444	14,039	14,636	15,235	15,836	16,438	17,041	
TC	TC1	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,286	3,431	3,577	3,724	3,871	
TC	TC2	549	166	366	602	813	1,021	1,225	1,427	1,626	1,823	2,016	2,207	2,394	2,579	2,762	2,948	3,136	3,325	3,517	3,710	3,906	4,104	4,304	4,506	4,711	4,918	5,127	5,337	5,547	
TV	TV3	71	94	233	368	489	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017	3,131	3,245	

2.50% Capital Escalation Rate

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
	2021 TY		120																										
	2022 TY		175	123																									
	2023 TY		165	179	126																								
	2024 TY		157	169	129	184																							
	2025 TY		149	161	188	174	186																						
	2026 TY		141	152	178	165	178	193																					
	2027 TY		134	145	169	156	169	182	139																				
	2028 TY		120	138	149	141	152	167	143																				
	2029 TY		120	130	141	141	152	167	143	146																			
	2030 TY		113	120	130	130	145	156	146	150																			
	2031 TY		105	113	123	123	134	148	143	154																			
	2032 TY		99	108	116	116	126	137	128	134																			
	2033 TY		93	101	111	111	119	129	119	124																			
	2034 TY		90	96	104	104	104	106	106	106																			
	2035 TY		87	93	98	98	98	98	98	98																			
	2036 TY		84	89	95	95	95	95	95	95																			

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2011 BR	GH																								
2012 BR																									
2013 BR																									
2014 BR																									
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2078 TY																									
2079 TY																									
2080 TY																									

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2021 TY		81	81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 TY		86	83	80	76	73	70	67	64	61	58	54	51	48	45	42	39	36	33	30	27	24	21	18	15
2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	52	49	46	43	40	37	34	31	28	25	22	19
2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	53	50	47	44	41	38	35	32	29	26	23
2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	55	52	49	46	43	40	37	34	31	28
2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	56	53	50	47	44	41	38	35	32
2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	58	55	52	49	46	43	40	37
2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	59	56	53	50	47	44	41
2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	61	58	55	52	49	46
2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	62	59	56	53	50
2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	64	61	58	55
2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	65	61	57
2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	66	62
2034 TY		216	205	195	185	175	165	155	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72	68
2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78	74
2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85	81
2037 TY		178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92	88
2038 TY		182	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99	95	91
2039 TY		187	273	258	244	232	221	210	198	187	176	165	154	144	136	131	126	121	116	111	106	101	96	92	88
2040 TY			192	279	264	250	238	226	215	203	192	180	169	158	148	139	134	129	124	119	114	109	104	99	94

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
BR	Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
BR	Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
BR	Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
CR	Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
CR	Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
CR6	Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
GH	Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
GH	Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
TC	Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR	Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
BR	Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
BR	Landfill O&M Savings		4,256	4,384	4,515	4,651									
CR	Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
CR	Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
CR6	Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
GH	Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
GH	Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
TC	Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
TC	Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BR1	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,035	1,008	982	955	928	901	875	848	821
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,055	1,028	1,000	973	946	918	891	864	837
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828
GR	GR3	68	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431
MC	MC1	303	0	0	0	1,215	1,774	1,682	1,598	1,511	1,420	1,324	1,224	1,123	1,024	924	824	768	731	698	664	630	596	562	528	494	460	426
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,588	1,501	1,410	1,314	1,214	1,113	1,012	912	812	756	719	686	652	618	584	550	516	482	448	414
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,055	1,015	973	932	891	849	808
MC	MC4	477	0	0	0	1,913	2,782	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986
TC	TC1	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632
TY	TY3	71	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094
GRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	2,016	1,886	1,756	1,626
MCWATER			0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041
TCWATER			0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072
GRWATER			0	0	0	5,902	7,892	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315
MCWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,063	1,049	1,015	980	946	912	877	843	809	774	740
MCWATER			0	0	0	1,780	2,599	2,465	2,342	2,228	2,123	2,022	1,921	1,819	1,718	1,617	1,515	1,414	1,340	1,266	1,192	1,118	1,044	970	896	822	748	674

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BK1	301	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BK2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL	303	1,605	1,526	1,447	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL	301	500	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCS	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCS	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER			2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0
CRWATER			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER			2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER			1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0
GRWATER			3,707	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0
GRWATER			706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCICOL			1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KFS3rd Data Request - Cases (BrownL2-Brakeven)

Discount Rate: 6.75%

New Unit Capital and Production Cost

Table with columns for Year (2009-2033) and rows for various equipment types like Retire TV, Retire CR, Retire MCI, etc. Values represent costs and production metrics.

Production Cost

Table with columns for Year (2009-2033) and rows for various equipment types like Retire TV, Retire CR, Retire MCI, etc. Values represent production costs.

Production Cost Data

Table with columns for Year (2009-2033) and rows for various equipment types like Retire TV, Retire CR, Retire MCI, etc. Values represent production cost data.

New Unit Capital

Table with columns for Year (2009-2033) and rows for various equipment types like Retire TV, Retire CR, Retire MCI, etc. Values represent new unit capital.

Discout Rate: 6.75%

MEMBER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retire TY GR CR and MCA	2,650	214,901	219,007	210,243	214,448	218,737	153,445	156,514	159,644	162,837	166,094	169,416	172,804	176,260	179,789	183,381	186,945	190,582	194,300	198,098	202,468	206,917	210,447	214,860
Retire TY GR CR and TCI	2,648	214,901	219,007	210,243	214,448	218,737	153,445	156,514	159,644	162,837	166,094	169,416	172,804	176,260	179,789	183,381	186,945	190,582	194,300	198,098	202,468	206,917	210,447	214,860
Retire TY GR CR and GH4	2,710	214,901	219,007	210,243	214,448	218,737	153,445	156,514	159,644	162,837	166,094	169,416	172,804	176,260	179,789	183,381	186,945	190,582	194,300	198,098	202,468	206,917	210,447	214,860
Retire TY GR CR and MCA	2,650	214,901	219,007	210,243	214,448	218,737	153,445	156,514	159,644	162,837	166,094	169,416	172,804	176,260	179,789	183,381	186,945	190,582	194,300	198,098	202,468	206,917	210,447	214,860
Retire TY GR CR and MCA-2	2,655	214,901	219,007	210,243	214,448	218,737	157,454	160,644	163,877	167,134	170,407	173,688	176,966	180,242	183,517	186,791	190,064	193,336	196,607	199,877	203,146	206,414	209,681	212,947
Retire TY GR CR and MCL-2	2,725	214,901	219,007	210,243	214,448	218,737	142,170	145,013	147,914	150,872	153,889	156,960	160,093	163,285	166,537	169,847	173,215	176,641	180,124	183,664	187,262	190,918	194,631	198,392
Retire TY GR CR and BR1-2	2,720	214,901	219,007	210,243	214,448	218,737	159,837	163,033	166,294	169,620	173,012	176,473	180,002	183,605	187,274	191,020	194,840	198,733	202,711	206,766	210,901	215,119	219,421	223,810
Retire TY GR CR BR1-2 and MCL-2	2,393	214,901	219,007	210,243	214,448	218,737	130,261	132,866	135,523	138,234	140,998	143,818	146,695	149,630	152,621	155,674	158,787	161,963	165,202	168,506	171,876	175,314	178,820	182,397
No Retirements	0	0	0	0	0	0	-462	-471	-480	-489	-498	-500	-510	-520	-530	-541	-552	-563	-574	-586	-597	-609	-622	
Retire TY and GR3	-5	0	0	0	0	0	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640	5,753	5,868	5,985	6,105	6,227	6,351	
Retire TY and GR3	-51	0	0	0	0	0	15,816	16,132	16,459	16,784	17,110	17,448	17,786	18,124	18,462	18,801	19,139	19,476	19,814	20,153	20,492	20,831	21,170	
Retire TY GR3 and BR3	-145	0	0	0	0	0	12,765	13,020	13,281	13,547	13,818	14,093	14,371	14,653	14,938	15,225	15,514	15,803	16,094	16,386	16,679	16,974	17,271	
Retire TY GR3 and CH4	-171	0	0	0	0	0	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,900	13,157	13,418	13,683	13,952	14,224	14,500	14,779	
Retire TY GR CR and CH6	-120	0	0	0	0	0	-11,909	-12,147	-12,390	-12,638	-12,891	-13,149	-13,416	-13,683	-13,951	-14,220	-14,491	-14,764	-15,040	-15,318	-15,599	-15,882	-16,167	
Retire TY GR3 CR4 and BR1-2	-132	0	0	0	0	0	-13,574	-13,845	-14,122	-14,405	-14,691	-14,980	-15,271	-15,564	-15,860	-16,159	-16,460	-16,763	-17,069	-17,377	-17,687	-18,000	-18,315	
Retire TY GR3 CR4 and CR	-150	0	0	0	0	0	-13,238	-13,503	-13,773	-14,049	-14,330	-14,616	-14,907	-15,203	-15,504	-15,810	-16,120	-16,434	-16,751	-17,071	-17,394	-17,721	-18,052	
Retire TY GR3 CR4 and BR3	-147	0	0	0	0	0	-19,065	-19,447	-19,831	-20,217	-20,607	-21,000	-21,397	-21,798	-22,199	-22,604	-23,012	-23,423	-23,837	-24,253	-24,672	-25,094	-25,518	
Retire TY GR3 CR and GH1	-211	0	0	0	0	0	-9,161	-9,344	-9,531	-9,722	-9,916	-10,115	-10,317	-10,523	-10,734	-10,949	-11,167	-11,389	-11,615	-11,845	-12,078	-12,314	-12,553	
Retire TY GR3 CR and MCA	-203	0	0	0	0	0	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,307	22,750	23,199	23,653	24,113	24,578	25,048	
Retire TY GR CR and TCI	-205	0	0	0	0	0	18,468	18,837	19,214	19,598	19,989	20,390	20,798	21,214	21,638	22,071	22,512	22,960	23,414	23,873	24,337	24,806	25,280	
Retire TY GR CR and GH4	-142	0	0	0	0	0	-12,846	-13,103	-13,365	-13,632	-13,904	-14,181	-14,464	-14,752	-15,045	-15,343	-15,647	-15,957	-16,272	-16,592	-16,917	-17,247	-17,582	
Retire TY GR CR and MCA	-202	0	0	0	0	0	-16,275	-16,641	-17,014	-17,394	-17,780	-18,172	-18,571	-18,976	-19,387	-19,803	-20,225	-20,653	-21,087	-21,526	-21,970	-22,419	-22,873	
Retire TY GR CR and CH3	-158	0	0	0	0	0	29,576	30,167	30,771	31,386	32,014	32,654	33,307	33,974	34,655	35,349	36,057	36,779	37,514	38,263	39,025	39,801	40,590	
Retire TY GR CR and MCL-2	-328	0	0	0	0	0	-11,509	-11,947	-12,392	-12,844	-13,303	-13,770	-14,245	-14,728	-15,218	-15,715	-16,219	-16,730	-17,247	-17,771	-18,302	-18,839	-19,382	
Retire TY GR CR and BR1-2	-332	0	0	0	0	0	-11,509	-12,147	-12,793	-13,449	-14,114	-14,789	-15,473	-16,166	-16,868	-17,579	-18,300	-19,030	-19,769	-20,517	-21,274	-22,040	-22,815	
Retire TY GR CR BR1-2 and MCL-2	-328	0	0	0	0	0	-30,167	-30,771	-31,386	-32,014	-32,654	-33,307	-33,974	-34,655	-35,349	-36,057	-36,779	-37,514	-38,263	-39,025	-39,801	-40,590	-41,313	

Attachment to Response to Question No. 5
Page 6 of 45
Screenshot

20110517_LAK...11RRetireStudies_MCL-2CombF60_FSC_Case5-BR1-2BreakerIentiorit.xlsx
RRComparison

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

New Unit Capital and Production Cost

Table with 23 columns (years 2034-2058) and rows for various retirement scenarios (e.g., No Retirements, Retire TY, Retire TY and GR3, etc.)

Production Cost

Table with 23 columns (years 2034-2058) and rows for various retirement scenarios (e.g., No Retirements, Retire TY, Retire TY and GR3, etc.)

Production Cost Delta

Table with 23 columns (years 2034-2058) and rows for various retirement scenarios (e.g., No Retirements, Retire TY, Retire TY and GR3, etc.)

New Unit Capital

Table with 23 columns (years 2034-2058) and rows for various retirement scenarios (e.g., No Retirements, Retire TY, Retire TY and GR3, etc.)

Discount Rate:

Table with 28 columns: 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058. Rows include 'Retire TY GR and CR' and 'Retire TY GR and MCA'.

Water Capital

Table with 28 columns (years 2034-2058) and 1 row for 'No Retirements'.

Water Capital/Delta

Table with 28 columns (years 2034-2058) and 1 row for 'No Retirements'.

Total Capital

Table with 28 columns (years 2034-2058) and 1 row for 'No Retirements'.

Total Capital/Delta

Table with 28 columns (years 2034-2058) and 1 row for 'No Retirements'.

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements																									
Retire TY	-16,066	-3,993	21,482	24,495	31,577	-10,901	-15,062	-3,413	-3,260	-3,108	-2,955	-2,803	-1,313	-1,246	-1,179	-1,112	0	0	0	0	0	0	0	0	
Retire TY and GR3	51,137	-272	-37,713	-48,006	-36,148	-14,623	-1,446	-3,413	-3,260	-3,108	-2,955	-2,803	-1,313	-1,246	-1,179	-1,112	0	0	0	0	0	0	0	0	
Retire TY GR3 and BR3	-8,625	-8,615	-7,325	-7,183	-7,044	-6,910	-8,198	-5,284	-5,082	-4,879	-4,676	-4,474	-4,271	-4,068	-3,865	-3,663	-3,460	-1,405	0	0	0	0	0	0	
Retire TY GR3 and CR4	24,549	39,580	36,242	33,921	23,907	2,880	-11,340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR3 CR4 and CR6	-25,709	-40,742	-37,221	-34,868	-24,833	-3,792	9,015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR3 CR4 and BR1-2	-75,069	-63,489	-42,186	-20,797	-5,833	-13,356	-20,024	-18,331	-17,568	-16,806	-16,044	-15,282	-14,519	-11,446	-7,854	-6,129	-5,789	-2,126	0	0	0	0	0	0	
Retire TY GR3 and CR	-29,945	20,895	57,606	67,288	54,815	31,307	17,589	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR3 CR and GH1	-14,857	-29,666	-58,169	-62,572	-21,613	-42,398	-19,150	-9,183	-8,860	-8,536	-8,212	-7,889	-7,565	-7,241	-6,918	-6,594	-6,270	-5,946	-5,622	-5,300	-4,974	-4,650	-4,326	-4,002	
Retire TY GR CR and CR	-26,998	66,682	-83,173	-71,881	-42,398	-26,914	-20,426	-2,136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR CR and MCL-1	80,126	83,217	59,804	37,129	12,904	-1,098	-5,320	-1,014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR CR and TCI	24,940	51,624	41,466	18,666	3,568	11,096	18,667	-5,075	-4,801	-4,166	-261	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR CR and GH4	71,010	72,519	47,468	23,960	16,898	3,164	-3,701	-9,440	-8,121	-7,883	-7,464	-7,166	-6,847	-6,529	-6,210	-5,892	-5,243	0	0	0	0	0	0	0	
Retire TY GR CR and MCL-2	21,849	48,176	37,673	14,702	-952	7,285	13,041	-4,988	-341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR CR and GH2	94,857	56,668	31,919	8,137	2,168	-11,497	-17,800	-22,000	-21,863	-20,726	-20,090	-19,493	-18,817	-18,180	-17,544	-16,907	-16,271	-15,634	-14,998	-14,361	-13,724	-13,088	-12,452	-11,816	
Retire TY GR CR and MCL-2	-21,446	-21,097	-10,696	-4,758	-4,204	8,071	11,571	-4,922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR CR and BR1-2	6,065	4,927	5,356	-3,458	-14,493	-7,893	-539	-16,331	-17,568	-16,806	-16,044	-15,282	-14,519	-11,446	-7,854	-6,129	-5,789	-2,126	0	0	0	0	0	0	
Retire TY GR CR BR1-2 and MCL-2	-41,234	-47,432	-46,551	-32,986	-24,208	-6,467	-354	-4,922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Retirement O&M Cost																									
No Retirements																									
Retire TY	318,658	325,031	331,532	338,163	344,926	351,824	358,861	366,036	373,349	380,800	388,400	396,150	404,050	412,100	420,300	428,650	437,160	445,830	454,660	463,650	472,800	482,110	491,580	501,210	
Retire TY and GR3	318,024	324,395	330,872	337,490	344,240	351,124	358,147	365,310	372,611	380,150	387,930	395,960	404,250	412,790	421,490	430,350	439,370	448,550	457,890	467,390	477,050	486,880	496,880	507,050	
Retire TY GR3 and BR3	311,416	317,645	323,998	330,478	337,087	343,829	350,705	357,818	365,166	372,750	380,570	388,630	396,940	405,500	414,310	423,280	432,410	441,700	451,160	460,790	470,590	480,560	490,700	501,010	
Retire TY GR3 and CR4	288,827	294,604	300,456	306,506	312,856	319,506	326,456	333,706	341,256	349,106	357,256	365,706	374,456	383,506	392,856	402,506	412,456	422,706	433,256	444,106	455,256	466,706	478,556	490,806	
Retire TY GR3 CR4 and CR6	277,766	283,322	288,998	294,788	300,698	306,738	312,908	319,308	325,938	332,798	339,898	347,238	354,818	362,638	370,698	379,008	387,568	396,378	405,438	414,758	424,338	434,178	444,288	454,668	
Retire TY GR3 CR4 and BR1-2	260,757	265,972	271,292	276,718	282,352	288,192	294,232	300,472	306,912	313,552	320,402	327,562	334,932	342,512	350,302	358,302	366,522	374,962	383,622	392,502	401,602	410,922	420,462	430,212	
Retire TY GR3 CR and CR	258,380	263,547	268,818	274,194	279,678	285,272	290,982	296,806	302,850	309,124	315,628	322,362	329,326	336,510	343,914	351,538	359,382	367,446	375,730	384,234	392,958	401,902	411,066	420,450	
Retire TY GR3 CR and GH1	239,472	244,261	249,146	254,129	259,212	264,396	269,684	275,076	280,576	286,184	291,900	297,724	303,656	309,696	315,844	322,100	328,460	334,924	341,492	348,164	354,940	361,820	368,804	375,892	
Retire TY GR CR and BR1-2	231,150	235,773	240,488	245,298	250,204	255,208	260,312	265,516	270,820	276,224	281,728	287,332	293,036	298,840	304,744	310,748	316,852	323,056	329,360	335,764	342,268	348,872	355,576	362,380	
Retire TY GR CR and CR	245,295	250,203	255,205	260,309	265,515	270,824	276,232	281,740	287,348	293,056	298,864	304,872	311,080	317,388	323,796	330,304	336,912	343,620	350,428	357,336	364,344	371,452	378,660	385,968	

Discount Rate:

2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075

Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and M13																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCL-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCL-2																					
Total	21,481	20,880	21,526	21,493	21,362	21,604	21,091														

System Annual NOx Emissions Expense

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR3 CR and GH1																					
Retire TY GR CR and MCL-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCL-2																					
Total	6,601	6,404	6,551	6,652	6,577	6,718	6,713														
	6,451	6,255	6,399	6,505	6,418	6,562	6,536														

System Ozone NOx Emissions Expense

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR3 CR and GH1																					
Retire TY GR CR and MCL-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCL-2																					
Total	7,383	7,228	7,391	7,481	7,462	7,529	7,430														
	7,244	7,183	7,345	7,430	7,412	7,487	7,351														

System Total Emissions Expense

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR3 CR and GH1																					
Retire TY GR CR and MCL-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCL-2																					
Total	36,299	35,488	36,345	36,465	36,313	36,754	36,201														
	35,175	34,322	35,170	35,238	35,092	35,532	34,878														

Total BR1-2 Emissions Expense

No Retirements	3,716,726	3,739,773	3,829,127	3,887,764	3,950,391	3,933,947	4,051,604														
Retire TY	3,669,606	3,806,724	3,842,832	3,893,851	3,925,218	3,916,115	4,029,310														

Discount Rate:

2051 2052 2053 2054 2055 2056 2057 2058

	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
Retire TY and GR3	3,683,953	3,793,594	3,842,337	3,891,422	3,940,752	4,013,534				
Retire TY GR3 and BR3	3,764,247	3,845,994	3,889,817	3,939,767	3,992,931	4,012,024	4,098,624			
Retire TY GR3 and CR4	3,748,116	3,828,785	3,853,130	3,899,791	3,954,230	3,919,577	4,042,208			
Retire TY GR3 CR4 and CR6	3,773,812	3,854,215	3,895,229	3,942,679	3,990,806	4,011,256	4,120,538			
Retire TY GR3 CR4 CR6 and BR1-2	3,753,186	3,851,837	3,930,443	3,976,680	4,037,582	4,031,086	4,155,612			
Retire TY GR3 CR and CR	3,905,639	3,945,271	3,976,017	4,031,925	4,047,972	4,053,847	4,166,372			
Retire TY GR3 CR and GH3	3,939,138	4,019,188	4,060,164	4,106,114	4,147,218	4,203,701	4,304,732			
Retire TY GR3 CR and GH1	3,952,774	4,005,031	4,068,388	4,123,022	4,198,423	4,197,227	4,316,570			
Retire TY GR and CR	3,610,950	3,696,787	3,756,077	3,819,689	3,861,015	3,862,424	3,983,021			
Retire TY GR CR and MCA	3,955,634	4,056,830	4,074,659	4,133,777	4,126,795	4,163,575	4,268,894			
Retire TY GR CR and TCI	3,948,680	4,008,157	4,057,648	4,099,179	4,133,688	4,125,157	4,232,752			
Retire TY GR CR and MCB	3,969,688	4,052,624	4,061,257	4,139,416	4,163,838	4,183,537	4,293,476			
Retire TY GR CR and MCB	3,928,324	3,976,951	4,037,026	4,083,901	4,131,850	4,127,282	4,271,938			
Retire TY GR CR and GH2	3,945,917	4,032,037	4,063,945	4,103,895	4,153,350	4,154,365	4,249,384			
Retire TY GR CR and MCB-2	3,988,817	3,985,890	4,063,945	4,103,895	4,153,350	4,192,418	4,200,995	4,328,387		
Retire TY GR CR and BR1-2	3,640,939	3,725,506	3,791,508	3,854,093	3,866,728	3,899,130	3,989,473			
Retire TY GR CR BR1-2 and MCB-2	3,931,478	4,071,547	4,093,826	4,190,008	4,222,897	4,265,688	4,376,857			

Total RE Minus Emissions Expense Delta

	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060
No Retirements										
Retire TY	-47,118	-12,952	13,705	6,087	-25,173	-17,832	-22,294			
Retire TY and GR3	14,347	-47,140	-49,485	-51,514	-33,306	-11,363	-15,276			
Retire TY GR3 and BR3	80,292	86,410	90,470	97,431	101,019	107,273	84,691			
Retire TY GR3 and CR4	64,161	69,201	59,784	57,454	42,318	14,806	28,775			
Retire TY GR3 CR4 and CR6	55,696	25,430	41,994	42,884	46,676	91,678	78,330			
Retire TY GR3 CR4 CR6 and BR1-2	30,606	-2,378	35,314	34,008	56,676	19,831	35,074			
Retire TY GR3 CR and CR	31,827	91,055	80,883	89,250	67,066	42,951	46,033			
Retire TY GR3 CR and GH3	133,499	79,917	84,547	74,197	99,246	149,854	138,161			
Retire TY GR3 CR and GH1	147,134	59,810	91,971	91,097	-150,451	-133,381	-169,949			
Retire TY GR and CR	-194,690	-248,484	-209,990	-212,236	-186,957	-191,423	-197,350			
Retire TY GR CR and MCB	344,684	360,043	308,032	314,038	265,780	301,151	299,872			
Retire TY GR CR and TCI	338,040	311,411	231,621	279,488	292,053	312,733	323,230			
Retire TY GR CR and GH4	339,719	335,837	195,489	313,727	308,823	321,103	324,455			
Retire TY GR CR and MCB	317,374	279,564	270,998	264,212	270,833	294,858	302,537			
Retire TY GR CR and GH2	334,967	335,250	297,818	284,166	292,575	292,147	280,342			
Retire TY GR CR and MCB-2	277,868	289,103	300,033	317,141	331,401	338,571	359,365			
Retire TY GR CR and BR1-2	29,989	28,719	25,481	14,403	5,713	36,705	20,452			
Retire TY GR CR BR1-2 and MCB-2	290,539	296,041	302,316	355,916	356,169	366,559	387,384			

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR BR1-2 and MCL-2

NewLink Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

MTP-Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

MTP-Capital,Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill-Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCI3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill-Capital,Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Water Capital

No Retirements

Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Water Capital Delta

No Retirements

Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Total Capital

No Retirements

Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Total Capital Delta

No Retirements

Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Discount Rate:

	2052	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement O&M Cost

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH1

Retire TY GR3 CR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TCI

Retire TY GR CR and GH4

Retire TY GR CR and MC3

Retire TY GR CR and GH2

Retire TY GR CR and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retirement O&M Cost Delta

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH1

Retire TY GR CR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TCI

Retire TY GR CR and GH4

Retire TY GR CR and MC3

Retire TY GR CR and GH2

Retire TY GR CR and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Existing Unit Fixed O&M

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH1

Retire TY GR CR and CR

Discount Rate:

2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2

Existing Unit Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2

New Controls Fixed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2

New Controls Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2

Total Retirement Requirements

No retirements 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCI3
Retire TY GR CR and GH2
Retire TY GR CR and MCI-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCI-2

System Annual NOx Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCI4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCI3
Retire TY GR CR and GH2
Retire TY GR CR and MCI-2
Retire TY GR CR and BR1-2
Retire TY CR BR1-2 and MCI-2

System Ozone NOx Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCI4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCI3
Retire TY GR CR and GH2
Retire TY GR CR and MCI-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCI-2

System Total Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCI4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCI3
Retire TY GR CR and GH2
Retire TY GR CR and MCI-2
Retire TY GR CR and BR1-2
Retire TY CR BR1-2 and MCI-2

Total DR Minus Emissions Expense

No Retirements
Retire TY

Discount rate:

	2052	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and GR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GR3																					
Retire TY GR3 CR and GR1																					
Retire TY GR and CR																					
Retire TY GR CR and MCI																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GR4																					
Retire TY GR CR and MCI3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCI-2																					

Total RR Minus Emissions Expense Delta

No Retirements

Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GR3																					
Retire TY GR3 CR and GR1																					
Retire TY GR and CR																					
Retire TY GR CR and MCI																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GR4																					
Retire TY GR CR and MCI3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCI-2																					

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1	3,816	4,811	5,811	6,811	7,811	8,811	9,811	10,811	11,811	12,811	13,811	14,811	15,811	16,811	17,811	18,811	19,811	20,811
BR	BR2	6,633	7,460	8,287	9,114	9,941	10,768	11,595	12,422	13,249	14,076	14,903	15,730	16,557	17,384	18,211	19,038	19,865	20,692
BR	BR3	15,885	20,876	25,867	30,858	35,849	40,840	45,831	50,822	55,813	60,804	65,795	70,786	75,777	80,768	85,759	90,750	95,741	100,732
CR	CR4	14,372	9,218	14,064	18,910	23,756	28,602	33,448	38,294	43,140	47,986	52,832	57,678	62,524	67,370	72,216	77,062	81,908	86,754
CR	CR5	11,842	9,889	11,619	13,348	15,077	16,806	18,535	20,264	21,993	23,722	25,451	27,180	28,909	30,638	32,367	34,096	35,825	37,554
CR	CR6	10,666	11,619	12,572	13,525	14,478	15,431	16,384	17,337	18,290	19,243	20,196	21,149	22,102	23,055	24,008	24,961	25,914	26,867
GH	GH1	17,829	19,141	20,453	21,765	23,077	24,389	25,701	27,013	28,325	29,637	30,949	32,261	33,573	34,885	36,197	37,509	38,821	40,133
GH	GH2	12,225	18,498	24,771	31,044	37,317	43,590	49,863	56,136	62,409	68,682	74,955	81,228	87,501	93,774	100,047	106,320	112,593	118,866
GH	GH3	17,961	13,501	12,475	11,449	10,423	9,397	8,371	7,345	6,319	5,293	4,267	3,241	2,215	1,189	16,698	17,032	17,366	17,700
GH	GH4	11,533	13,496	12,105	10,714	9,323	7,932	6,541	5,150	3,759	2,368	917	-484	-1,095	-1,706	-2,317	-2,928	-3,539	-4,150
GR	GR3	4,270	5,792	4,360	4,447	4,534	4,621	4,708	4,795	4,882	4,969	5,056	5,143	5,230	5,317	5,404	5,491	5,578	5,665
GR	GR4	7,338	6,924	8,633	8,805	9,344	9,531	10,070	10,257	10,796	10,983	11,522	11,709	12,248	12,435	12,974	13,161	13,700	13,887
MC	MC1	11,892	17,333	12,669	12,923	13,177	13,431	13,685	13,939	14,193	14,447	14,701	14,955	15,209	15,463	15,717	15,971	16,225	16,479
MC	MC2	16,179	11,941	15,201	15,505	15,810	16,114	16,418	16,722	17,026	17,330	17,634	17,938	18,242	18,546	18,850	19,154	19,458	19,762
MC	MC3	18,313	14,238	17,221	17,566	17,911	18,256	18,601	18,946	19,291	19,636	19,981	20,326	20,671	21,016	21,361	21,706	22,051	22,396
MC	MC4	16,531	18,981	17,245	17,590	17,935	18,280	18,625	18,970	19,315	19,660	20,005	20,350	20,695	21,040	21,385	21,730	22,075	22,420
TC	TC1	17,205	15,170	17,403	17,751	18,100	18,448	18,797	19,145	19,494	19,842	20,191	20,540	20,889	21,238	21,587	21,936	22,285	22,634
TY	TY3	410	416	418	427	435	444	453	462	471	480	490	499	508	517	526	535	544	553

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
	2021 TY		120																										
	2022 TY		175	165	157	149	141	134	127	120	113	106	99	93	87	81	75	69	63	57	51	45	39	33	27	21	15	9	3
	2023 TY		123	179	169	161	152	145	138	130	123	116	108	101	96	90	84	78	72	66	60	54	48	42	36	30	24	18	12
	2024 TY			126	184	174	165	156	149	141	134	126	119	111	104	98	91	85	79	73	67	61	55	49	43	37	31	25	19
	2025 TY				129	188	178	169	160	152	145	137	129	122	114	106	101	95	89	83	77	71	65	59	53	47	41	35	29
	2026 TY					132	193	182	173	164	156	148	140	133	125	117	109	103	97	91	85	79	73	67	61	55	49	43	37
	2027 TY						136	198	187	177	168	160	152	144	136	128	120	114	108	102	96	90	84	78	72	66	60	54	48
	2028 TY							143	203	192	182	172	164	156	148	140	133	125	117	109	103	97	91	85	79	73	67	61	55
	2029 TY								146	208	196	186	177	168	160	151	143	135	127	119	111	104	98	91	84	77	70	63	56
	2030 TY									150	213	201	191	181	172	164	155	147	139	131	123	115	108	101	94	87	80	73	66
	2031 TY										154	218	206	196	186	177	168	160	151	143	135	127	119	111	104	98	91	84	77
	2032 TY											157	219	209	199	189	180	171	162	153	144	135	126	117	108	100	92	84	76
	2033 TY												161	222	212	202	193	184	175	166	157	148	139	130	121	112	103	94	85
	2034 TY													165	225	215	206	197	188	179	170	161	152	143	134	125	116	107	98
	2035 TY														169	229	219	210	201	192	183	174	165	156	147	138	129	120	111
	2036 TY															174	234	224	215	206	197	188	179	170	161	152	143	134	125
	2037 TY																178	238	228	219	210	201	192	183	174	165	156	147	138
	2038 TY																	182	242	232	223	214	205	196	187	178	169	160	151
	2039 TY																		186	246	236	227	218	209	200	191	182	173	164
	2040 TY																			190	250	240	231	222	213	204	195	186	177

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BRL	101	2,234	2,322	2,411	2,501	2,446	2,042	2,043	2,145	2,055	1,969	1,867	1,770	1,678	1,591	1,540	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,889	3,966	4,135	4,045	3,668	3,703	3,546	3,397	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR	BR3	416	9,202	9,564	9,930	10,300	10,076	9,636	9,223	8,833	8,463	8,109	7,689	7,289	6,910	6,553	6,218	5,906	5,607	5,312	5,021	4,733	4,450	4,171	3,897
CR	CR4	155	2,405	2,465	2,526	2,589	2,492	2,292	2,102	1,921	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR	CR5	168	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,082	1,893	1,713	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103	0
CR	CR6	240	3,723	3,816	3,912	4,009	3,858	3,549	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	633	459	301	148	0
GH	GH1	475	16,601	17,256	17,918	18,587	18,193	17,419	16,688	15,994	15,334	14,702	14,098	13,375	12,686	12,033	11,415	10,834	10,291	9,770	9,256	8,749	8,249	7,755	7,269
GH	GH2	484	16,915	17,583	18,257	18,939	18,537	17,749	17,004	16,297	15,624	14,981	14,365	13,628	12,927	12,261	11,631	11,039	10,486	9,956	9,432	8,915	8,405	7,902	7,407
GH	GH3	480	16,775	17,457	18,106	18,782	18,384	17,602	16,863	16,129	15,495	14,857	14,246	13,516	12,820	12,159	11,535	10,948	10,399	9,873	9,354	8,841	8,336	7,837	7,341
GH	GH4	479	16,741	17,401	18,069	18,743	18,346	17,565	16,828	16,129	15,463	14,826	14,217	13,488	12,793	12,134	11,511	10,925	10,378	9,853	9,334	8,823	8,318	7,821	7,331
GR	GR4	68	1,295	1,343	1,377	1,411	1,364	1,281	1,203	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373	331
GR	GR5	68	1,295	1,343	1,377	1,411	1,364	1,281	1,203	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373	331
MC	MC1	303	10,278	10,535	10,798	11,068	10,698	10,020	9,375	8,758	8,166	7,598	7,053	6,531	6,033	5,559	5,110	4,687	4,290	3,910	3,558	3,173	2,817	2,468	2,128
MC	MC2	301	10,210	10,465	10,727	10,985	10,627	9,954	9,313	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,264	3,884	3,515	3,152	2,798	2,452	2,114
MC	MC3	391	13,263	13,585	13,934	14,283	13,805	12,997	12,307	11,651	11,038	10,456	9,902	9,382	8,888	8,419	7,974	7,553	7,156	6,784	6,436	6,096	5,763	5,436	5,114
MC	MC4	477	16,180	16,585	16,999	17,424	16,841	15,775	14,758	13,787	12,856	11,962	11,104	10,282	9,498	8,752	8,045	7,379	6,754	6,156	5,570	4,996	4,434	3,886	3,350
TC	TCL	383	17,325	17,875	18,406	18,939	18,463	17,327	16,233	15,183	14,173	13,202	12,272	11,382	10,532	9,722	8,952	8,222	7,532	6,882	6,262	5,672	5,112	4,572	4,052
TC	TC2	549	5,339	5,554	5,771	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,618	4,445	4,280	4,125	3,980	3,802	3,636	3,476	3,319	3,163	3,009	2,857	2,706
TV	TV3	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749	646

2.50%

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	2037	
2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	
2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	2039	
2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	
2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	2041	
2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	
2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	
2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	2044	
2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	
2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	
2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	
2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	2048	
2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	2049	
2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	2050	
2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	2051	
2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	
2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	2053	
2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	
2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	
2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	2056	
2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	2057	
2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	2058	
2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	2059	

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		278	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY		302	282	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99
	2039 TY		327	305	287	273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106
	2040 TY		352	328	308	292	277	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
BR	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
BR	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
BR	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
CR	CR Landfill Capital Savings	936	3,049	4,083	3,979	4,416	4,938	4,772	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
CR	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
CR6	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
GH	GH Landfill Capital Savings		0	0	0	0	61	188	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
GH	GH Landfill O&M Savings		0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944	
TC	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC Landfill O&M Savings		0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318	

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,952	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	22,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	22,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	22,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	22,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR	BR Landfill Phase 2 Savings	1,294	1,215	1,123	156	138	138	120	101	83	64	46	28	9	0
BR	BR Landfill Phase 3 Savings	3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,188	2,038	1,888	1,737	1,586	1,435	1,284
BR	BR Landfill O&M Savings	4,256	4,384	4,515	4,651										
CR	CR Landfill Capital Savings	2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	301	265	230	194	159
CR	CR Landfill O&M Savings	4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128	6,248
CR6	CR6 Stator Rewind Savings	1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0	0
GH	GH Landfill Capital Savings	18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,374	14,132	13,890	13,648	13,406	13,164
GH	GH Landfill O&M Savings	44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	79,906	84,412	88,967	93,542
TC	TC Landfill Capital Savings	0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883	15,046
TC	TC Landfill O&M Savings	6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172	8,330

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BR1	101	0	0	0	553	743	703	668	685	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309	
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511	
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273	
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	0
CR	CR5	168	0	0	0	1,052	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,005	1,028	1,000	973	946	918	881	844	807	770
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,025	1,048	1,020	993	966	938	901	864	827	790
GH	GH3	480	0	0	0	1,474	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,016	1,039	1,011	984	957	929	892	855	818	781
GH	GH4	479	0	0	0	1,474	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,016	1,039	1,011	984	957	929	892	855	818	781
GR	GR3	68	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	594	571	551	531	511	491	471	451	431	
MC	MC1	303	0	0	0	1,215	1,774	1,682	1,598	1,514	1,430	1,346	1,262	1,178	1,094	1,010	926	842	758	674	590	506	422	338	254	170	86	0	0
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,588	1,504	1,420	1,336	1,252	1,168	1,084	1,000	916	832	748	664	580	496	412	328	244	160	76	0	0
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,097	1,015	932	851	770	689	608	527	446	365
MC	MC4	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	
TC	TC1	363	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632	
TY3	TY3	71	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
BRWATER	BRWATER		0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	
CRWATER	CRWATER		0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	2,016	1,885	1,754	1,623	
MCWATER	MCWATER		0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,207	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	
TOWWATER	TOWWATER		0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072	
GRWATER	GRWATER		0	0	0	5,902	7,892	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315	
MCICCOOL	MCICCOOL		0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,083	1,049	1,015	980	946	912	877	843	809	774	740	
MCICCOOL	MCICCOOL		0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,083	1,049	1,015	980	946	912	877	843	809	774	740	

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCI	303	1,605	1,526	1,447	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER		2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0
CRWATER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER		2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER		1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0
GRWATER		3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0
GRWATER		706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER		1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KFSC-3rd Data Request - Cas5 (Brown1-2 Breakeven)

Discount Rate: 6.75%

Table with columns: SM NEVER, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include: Retiree Ty GR and CR, Retiree Ty GR and MC4, Retiree Ty GR and MC1, Retiree Ty GR and MC3, Retiree Ty GR and MC2, Retiree Ty GR and MC1-2, Retiree Ty GR and MC1-2 and MC1-2.

Water/Cooling

Table with columns: SM NEVER, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include: No Retirements, Retiree Ty, Retiree Ty GR and GR3, Retiree Ty GR3 and BR3, Retiree Ty GR3 and BR4, Retiree Ty GR3 and CR4, Retiree Ty GR3 and CR6, Retiree Ty GR3 and CR6 and BR1-2, Retiree Ty GR3 and CR, Retiree Ty GR3 and CR and GH3, Retiree Ty GR3 and CR and GH1, Retiree Ty GR and CR, Retiree Ty GR and CR and MC4, Retiree Ty GR and CR and MC3, Retiree Ty GR and CR and MC2, Retiree Ty GR and CR and BR1-2, Retiree Ty GR and CR and BR1-2 and MC1-2, Retiree Ty GR and CR BR1-2 and MC1-2.

Water/Cooling Delta

Table with columns: SM NEVER, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include: No Retirements, Retiree Ty, Retiree Ty GR and GR3, Retiree Ty GR3 and BR3, Retiree Ty GR3 and CR4, Retiree Ty GR3 and CR6, Retiree Ty GR3 and CR and BR1-2, Retiree Ty GR3 and CR, Retiree Ty GR3 and CR and GH3, Retiree Ty GR3 and CR and GH1, Retiree Ty GR and CR, Retiree Ty GR and CR and MC4, Retiree Ty GR and CR and MC3, Retiree Ty GR and CR and MC2, Retiree Ty GR and CR and MC1-2, Retiree Ty GR and CR and BR1-2, Retiree Ty GR and CR BR1-2 and MC1-2.

Total Capital

Table with columns: SM NEVER, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include: No Retirements, Retiree Ty, Retiree Ty GR and GR3, Retiree Ty GR3 and BR3, Retiree Ty GR3 and CR4, Retiree Ty GR3 and CR6, Retiree Ty GR3 and CR6 and BR1-2, Retiree Ty GR3 and CR, Retiree Ty GR3 and CR and GH3, Retiree Ty GR3 and CR and GH1, Retiree Ty GR and CR, Retiree Ty GR and CR and MC4, Retiree Ty GR and CR and MC3, Retiree Ty GR and CR and MC2, Retiree Ty GR and CR and MC1-2, Retiree Ty GR and CR and BR1-2, Retiree Ty GR and CR BR1-2 and MC1-2.

Total Capital Delta

Table with columns: SM NEVER, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include: No Retirements, Retiree Ty, Retiree Ty GR and GR3, Retiree Ty GR3 and BR3, Retiree Ty GR3 and CR4, Retiree Ty GR3 and CR6, Retiree Ty GR3 and CR6 and BR1-2, Retiree Ty GR3 and CR, Retiree Ty GR3 and CR and GH3, Retiree Ty GR3 and CR and GH1, Retiree Ty GR and CR, Retiree Ty GR and CR and MC4, Retiree Ty GR and CR and MC3, Retiree Ty GR and CR and MC1-2, Retiree Ty GR and CR and BR1-2, Retiree Ty GR and CR BR1-2 and MC1-2.

Discount Rate: 6.71%

Table with columns for SW, YOB, and years 2000-2032. Rows include Retiree TY, Retiree TY and GR3, Retiree TY and GR4, Retiree TY GR3 and GR4, Retiree TY GR4 and GR6, Retiree TY GR4 and GR8, Retiree TY GR4 and GR9, Retiree TY GR4 and GR10, Retiree TY GR4 and MCA, Retiree TY GR4 and MCB, Retiree TY GR4 and MC3, Retiree TY GR4 and MC4, Retiree TY GR4 and MC5, Retiree TY GR4 and MC6, Retiree TY GR4 and MC7, Retiree TY GR4 and MC8, Retiree TY GR4 and MC9, Retiree TY GR4 and MC10, Retiree TY GR4 and MC11, Retiree TY GR4 and MC12.

Total Revenue Requirements Delta

Table with columns for No Refirements, Retiree TY, Retiree TY and GR3, Retiree TY and GR4, Retiree TY GR3 and GR4, Retiree TY GR4 and GR6, Retiree TY GR4 and GR8, Retiree TY GR4 and GR9, Retiree TY GR4 and GR10, Retiree TY GR4 and MCA, Retiree TY GR4 and MCB, Retiree TY GR4 and MC3, Retiree TY GR4 and MC4, Retiree TY GR4 and MC5, Retiree TY GR4 and MC6, Retiree TY GR4 and MC7, Retiree TY GR4 and MC8, Retiree TY GR4 and MC9, Retiree TY GR4 and MC10, Retiree TY GR4 and MC11, Retiree TY GR4 and MC12.

Total Revenue Requirements Cumulative Delta

Table with columns for No Refirements, Retiree TY, Retiree TY and GR3, Retiree TY and GR4, Retiree TY GR3 and GR4, Retiree TY GR4 and GR6, Retiree TY GR4 and GR8, Retiree TY GR4 and GR9, Retiree TY GR4 and GR10, Retiree TY GR4 and MCA, Retiree TY GR4 and MCB, Retiree TY GR4 and MC3, Retiree TY GR4 and MC4, Retiree TY GR4 and MC5, Retiree TY GR4 and MC6, Retiree TY GR4 and MC7, Retiree TY GR4 and MC8, Retiree TY GR4 and MC9, Retiree TY GR4 and MC10, Retiree TY GR4 and MC11, Retiree TY GR4 and MC12.

System SO2 Emisions Events

Table with columns for No Refirements, Retiree TY, Retiree TY and GR3, Retiree TY and GR4, Retiree TY GR3 and GR4, Retiree TY GR4 and GR6, Retiree TY GR4 and GR8, Retiree TY GR4 and GR9, Retiree TY GR4 and GR10, Retiree TY GR4 and MCA, Retiree TY GR4 and MCB, Retiree TY GR4 and MC3, Retiree TY GR4 and MC4, Retiree TY GR4 and MC5, Retiree TY GR4 and MC6, Retiree TY GR4 and MC7, Retiree TY GR4 and MC8, Retiree TY GR4 and MC9, Retiree TY GR4 and MC10, Retiree TY GR4 and MC11, Retiree TY GR4 and MC12.

Discount Rate:

6.74%

KPSB 3rd Data Request - Cases (Brown1-2 Breakeven)

Table with columns for years from 2011 to 2033 and rows for various retirement scenarios like Retire TY GR CR and TCL, showing values in \$M.

Table with columns for years from 2011 to 2033 and rows for various retirement scenarios like Retire TY GR CR and BR1-2, showing values in \$M.

Table with columns for years from 2011 to 2033 and rows for various retirement scenarios like Retire TY GR CR and MCL-2, showing values in \$M.

Table with columns for years from 2011 to 2033 and rows for various retirement scenarios like Retire TY GR CR and BR1-2, showing values in \$M.

Summary table for Retire TY GR CR BR1-2 and MCL-2, showing total values for various categories.

Summary table for Total BR1 Minus Emissions, showing total values for various categories.

Discount Rate:

Table with columns for years 2034-2058 and rows for various retirement scenarios like 'Retiree TY GR CR and GH1'.

New Unit Capital Delta

Table with columns for years 2034-2058 and rows for various retirement scenarios under 'New Unit Capital Delta'.

New Control Capital

Table with columns for years 2034-2058 and rows for various retirement scenarios under 'New Control Capital'.

New Control Capital Delta

Table with columns for years 2034-2058 and rows for various retirement scenarios under 'New Control Capital Delta'.

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2051 2052 2053 2054 2055 2056 2057 2058 2059

MTE Capital

No Retirements	136,365	145,108	150,889	156,087	161,351	166,658	172,046								
Retire TY	136,574	142,204	147,882	152,995	158,182	163,409	168,716								
Retire TY GR and BR3	135,423	141,005	146,635	151,700	156,839	161,932	167,305								
Retire TY GR and BR4	127,287	132,518	137,793	142,988	147,775	152,102	157,005								
Retire TY GR and BR5	133,190	138,717	144,290	149,295	154,374	159,506	164,715								
Retire TY GR and BR6	129,732	135,173	140,657	145,572	150,558	155,584	160,706								
Retire TY GR and BR1-2	124,491	129,705	134,960	139,644	144,396	149,197	154,070								
Retire TY GR and CR	127,312	132,692	138,115	142,966	147,886	152,856	157,899								
Retire TY GR CR and GH1	112,482	117,220	121,994	126,191	130,449	134,750	139,117								
Retire TY GR CR and GH2	112,636	117,381	122,162	126,365	130,631	134,939	139,312								
Retire TY GR CR and GH3	125,703	131,017	136,373	141,157	146,010	150,933	155,928								
Retire TY GR CR and MCA	111,099	115,823	120,587	124,977	129,425	133,994	138,504								
Retire TY GR CR and TCI	122,417	127,586	132,796	137,492	142,136	146,907	151,749								
Retire TY GR CR and GH4	110,903	115,577	120,266	124,417	128,609	132,865	137,185								
Retire TY GR CR and MCH	113,732	118,562	123,433	127,694	132,416	136,999	141,645								
Retire TY GR CR and GH2	110,749	115,416	120,118	124,242	128,428	132,676	136,989								
Retire TY GR CR and MCL-2	107,211	111,778	116,384	120,669	125,010	129,408	133,865								
Retire TY GR CR and BR1-2	120,462	125,549	130,676	135,229	139,849	144,536	149,293								
Retire TY GR CR BR1-2 and MCL-2	101,970	106,310	110,687	114,741	118,848	123,011	127,229								

MTE Capital Delta

No Retirements	-2,790	-2,504	-3,017	-3,092	-3,170	-3,249	-3,330								
Retire TY	-1,152	-1,159	-1,247	-1,295	-1,343	-1,377	-1,411								
Retire TY and GR3	-8,136	-8,488	-8,843	-9,202	-9,564	-9,950	-10,300								
Retire TY GR3 and BR3	-2,233	-2,289	-2,346	-2,405	-2,465	-2,526	-2,589								
Retire TY GR3 and BR4	-3,457	-3,544	-3,632	-3,723	-3,816	-3,912	-4,009								
Retire TY GR3 CR and BR6	-5,241	-5,468	-5,697	-5,928	-6,161	-6,397	-6,635								
Retire TY GR3 CR and BR1-2	-2,420	-2,481	-2,543	-2,606	-2,671	-2,738	-2,807								
Retire TY GR3 CR and GH3	-16,831	-15,472	-16,121	-16,775	-17,437	-18,106	-18,782								
Retire TY GR3 CR and GH1	-16,676	-15,311	-15,953	-16,601	-17,256	-17,918	-18,587								
Retire TY GR CR and CR	-1,509	-1,675	-1,742	-1,809	-1,876	-1,923	-1,971								
Retire TY GR CR and MCA	-44,604	-45,194	-45,786	-46,380	-46,985	-47,599	-48,224								
Retire TY GR CR and TCI	-3,288	-3,431	-3,577	-3,725	-3,875	-4,026	-4,180								
Retire TY GR CR and GH4	-16,800	-15,440	-16,087	-16,741	-17,401	-18,069	-18,743								
Retire TY GR CR and MCH	-11,971	-12,495	-12,940	-13,263	-13,595	-13,934	-14,283								
Retire TY GR CR and GH2	-14,954	-15,601	-16,255	-16,915	-17,583	-18,257	-18,939								
Retire TY GR CR and MCL-2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,065								
Retire TY GR CR and BR1-2	-5,241	-5,468	-5,697	-5,928	-6,161	-6,397	-6,635								
Retire TY GR CR BR1-2 and MCL-2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,065								

Landfill Capital

No Retirements	115,469	117,869	118,900	120,220	121,001	38,766	37,512								
Retire TY	115,469	117,869	118,900	120,220	121,001	38,766	37,512								
Retire TY and GR3	113,987	116,506	118,678	120,091	121,001	38,766	37,512								
Retire TY GR3 and BR3	113,721	116,150	117,208	118,512	119,073	37,019	35,741								
Retire TY GR3 CR and CR6	110,944	113,487	114,588	115,867	116,959	34,314	33,000								
Retire TY GR3 CR and BR1-2	109,989	112,609	114,445	115,745	116,488	34,234	32,997								
Retire TY GR3 CR and CR	109,049	111,624	112,754	114,016	114,616	35,727	32,420								
Retire TY GR3 CR and GH3	89,473	91,157	91,345	92,095	93,209	30,546	29,562								
Retire TY GR CR and GH1	89,677	91,370	91,568	92,323	93,235	30,566	29,580								
Retire TY GR and CR	109,049	111,624	112,754	114,016	114,616	35,727	32,420								
Retire TY GR CR and MCA	109,049	111,624	112,754	114,016	114,616	35,727	32,420								
Retire TY GR CR and TCI	97,383	100,281	101,723	103,285	104,141	22,258	21,195								
Retire TY GR CR and GH4	89,514	91,199	91,390	92,141	93,214	30,550	29,566								
Retire TY GR CR and MCH	109,049	111,624	112,754	114,016	114,616	35,727	32,420								
Retire TY GR CR and GH2	89,310	90,986	91,167	91,912	93,188	30,531	29,348								
Retire TY GR CR and MCL-2	109,049	111,624	112,754	114,016	114,616	35,727	32,420								
Retire TY GR CR and BR1-2	108,054	110,746	112,611	113,894	115,626	32,340	31,018								
Retire TY GR CR BR1-2 and MCL-2	108,054	110,746	112,611	113,894	115,626	32,340	31,018								

Landfill Capital Delta

No Retirements	0	0	0	0	0	0	0								
Retire TY	0	0	0	0	0	0	0								
Retire TY and GR3	0	0	0	0	0	0	0								
Retire TY GR3 and BR3	-1,482	-1,363	-222	-189	-157	-124	-97								
Retire TY GR3 and BR4	-1,748	-1,719	-1,692	-1,708	-1,727	-1,747	-1,771								
Retire TY GR3 CR and CR6	-2,777	-2,662	-2,620	-2,645	-2,674	-2,705	-2,742								
Retire TY GR3 CR and BR1-2	-955	-878	-843	-822	-801	-780	-762								
Retire TY GR3 CR and CR	-1,895	-1,864	-1,834	-1,851	-1,872	-1,894	-1,919								
Retire TY GR3 CR and GH3	-19,576	-20,467	-21,409	-21,921	-22,518	-1,874	-1,718								
Retire TY GR3 CR and GH1	-19,572	-20,254	-21,186	-21,692	-22,492	-1,854	-1,700								

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2051 2052 2053 2054 2055 2056 2057 2058

Retire TY GR CR and TCL																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCL-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCL-2	21,481	20,880	21,526	21,493	21,362	21,604	21,091													

System Annual NOx Emissions Excess

No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 and BR1-2																				
Retire TY GR3 CR4 and BR1-2																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR and CR																				
Retire TY GR3 CR and GH1																				
Retire TY GR3 CR and MCL-2																				
Retire TY GR CR and MCL-2																				
Retire TY GR CR BR1-2 and MCL-2																				
Retire TY GR CR and BR1-2	6,601	6,404	6,551	6,652	6,577	6,717	6,713													
Retire TY GR CR and MCL-2	6,451	6,259	6,399	6,505	6,417	6,561	6,556													

System Ozone NOx Emissions Excess

No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 and BR1-2																				
Retire TY GR3 CR4 and BR1-2																				
Retire TY GR3 CR and CR																				
Retire TY GR3 CR and GH1																				
Retire TY GR3 CR and MCL-2																				
Retire TY GR CR and MCL-2																				
Retire TY GR CR BR1-2 and MCL-2																				
Retire TY GR CR and BR1-2	7,395	7,238	7,391	7,481	7,462	7,529	7,430													
Retire TY GR CR and MCL-2	7,244	7,183	7,245	7,340	7,312	7,386	7,251													

System Total Emissions Excess

No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 and BR1-2																				
Retire TY GR3 CR4 and BR1-2																				
Retire TY GR3 CR and CR																				
Retire TY GR3 CR and GH1																				
Retire TY GR3 CR and MCL-2																				
Retire TY GR CR and MCL-2																				
Retire TY GR CR BR1-2 and MCL-2																				
Retire TY GR CR and BR1-2	36,299	35,468	36,345	36,463	36,313	36,754	36,201													
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0													
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0													
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0													
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0													
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0													
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0													
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0													
Retire TY GR CR and BR1-2	35,175	34,322	35,170	35,338	35,091	35,551	34,978													
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0													

Total BR Minus Emissions Excess

No Retirements																				
Retire TY	3,716,726	3,793,773	3,829,127	3,867,764	3,950,391	3,993,947	4,051,604													
Retire TY	3,669,608	3,806,724	3,842,832	3,859,851	3,925,248	3,916,145	4,029,310													

Discount Rate:

2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028

Retiree TY and GR3	3,653,655	3,759,584	3,798,347	3,842,337	3,891,912	3,944,752	4,013,934										
Retiree TY GR3 and BR3	3,794,347	3,845,994	3,893,817	3,938,767	3,992,931	4,012,024	4,088,624										
Retiree TY GR3 and CR4	3,749,316	3,803,795	3,853,150	3,899,791	3,958,230	3,919,577	4,042,208										
Retiree TY GR3 CR4 and CR6	3,773,812	3,824,213	3,865,123	3,942,675	3,990,958	4,011,258	4,120,538										
Retiree TY GR3 CR4 CR6 and BR1-2	3,805,639	3,845,771	3,976,017	4,031,925	4,047,972	4,053,847	4,355,612										
Retiree TY GR3 CR and CR	3,939,138	4,019,188	4,060,164	4,106,112	4,147,218	4,203,701	4,304,732										
Retiree TY GR3 CR and GH3	3,952,774	4,005,081	4,068,388	4,122,022	4,198,423	4,187,227	4,316,520										
Retiree TY GR and CR	3,623,181	3,710,678	3,778,494	3,833,630	3,876,331	3,877,358	3,965,751										
Retiree TY GR CR and MC4	3,955,684	4,056,880	4,078,059	4,133,727	4,126,735	4,163,575	4,268,894										
Retiree TY GR CR and TCI	3,948,990	4,008,197	4,057,648	4,099,179	4,153,068	4,175,157	4,293,752										
Retiree TY GR CR and GH4	3,959,668	4,052,624	4,061,527	4,133,416	4,169,838	4,183,527	4,293,476										
Retiree TY GR CR and MC3	3,978,324	3,976,351	4,037,026	4,085,905	4,131,850	4,157,282	4,271,558										
Retiree TY GR CR and GH2	3,945,917	4,032,037	4,063,845	4,103,835	4,138,530	4,154,565	4,249,964										
Retiree TY GR CR and MCL-2	3,888,817	3,985,880	4,056,060	4,136,830	4,192,416	4,200,995	4,328,387										
Retiree TY GR CR and BR1-2	3,655,681	3,741,013	3,806,982	3,849,844	3,884,138	3,915,147	4,008,359										
Retiree TY GR CR BR1-2 and MCL-2	3,951,978	4,024,527	4,093,816	4,150,008	4,224,897	4,265,688	4,376,897										

Total BR Minus Emissions Expense Delta

No Retirements

Retiree TY	-47,118	-12,992	13,705	6,087	-25,173	-17,832	-22,294										
Retiree TY and GR3	14,347	-47,140	-48,485	-51,514	-33,306	-11,369	-15,376										
Retiree TY GR3 and BR3	80,392	86,410	90,470	97,431	101,019	107,273	84,691										
Retiree TY GR3 and CR4	64,161	69,201	59,784	57,454	42,318	34,826	28,775										
Retiree TY GR3 CR4 and CR6	25,696	25,430	41,999	42,884	46,676	91,678	78,930										
Retiree TY GR3 CR4 CR6 and BR1-2	-20,628	-2,978	35,314	34,005	56,676	19,831	35,074										
Retiree TY GR3 CR and CR	31,377	51,055	80,838	89,250	67,066	42,591	46,031										
Retiree TY GR3 CR and GH3	133,699	73,917	84,147	74,187	99,246	149,854	158,161										
Retiree TY GR3 CR and GH1	147,584	59,810	90,371	91,067	150,451	133,931	149,549										
Retiree TY GR and CR	182,169	224,793	196,573	198,235	171,641	176,489	180,321										
Retiree TY GR CR and MC4	312,869	297,720	294,565	300,097	250,464	286,217	285,143										
Retiree TY GR CR and TCI	346,188	342,146	282,032	299,786	299,507	306,169	307,725										
Retiree TY GR CR and MC3	305,143	265,873	257,531	250,271	235,519	219,924	285,907										
Retiree TY GR CR and GH2	322,736	321,559	284,351	270,225	277,259	277,307	263,613										
Retiree TY GR CR and MCL-2	265,637	278,412	286,566	303,200	316,085	523,637	342,636										
Retiree TY GR CR and BR1-2	31,310	30,535	27,498	16,913	7,807	38,788	-22,602										
Retiree TY GR CR BR1-2 and MCL-2	276,387	280,534	286,834	340,065	338,760	349,542	368,595										

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCB
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCB
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCB
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
 Retire TY GR CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

New Unit Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 GR4 and CR6
 Retire TY GR3 CR and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and CR
 Retire TY GR CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

New Controls Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

New Controls Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 GR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079

MTE Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

MTE Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCL
Retire TY GR CR and GH4
Retire TY GR CR and MCH
Retire TY GR CR and GH2
Retire TY GR CR and MCH-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCH-2

Water Capital

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CH6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR CR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCL
Retire TY GR CR and GH4
Retire TY GR CR and MCH
Retire TY GR CR and GH2
Retire TY GR CR and MCH-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCH-2

Water Capital Delta

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CH6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR CR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCL
Retire TY GR CR and GH4
Retire TY GR CR and MCH
Retire TY GR CR and GH2
Retire TY GR CR and MCH-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCH-2

Total Capital

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CH6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR CR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCL
Retire TY GR CR and GH4
Retire TY GR CR and MCH
Retire TY GR CR and GH2
Retire TY GR CR and MCH-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCH-2

Total Capital Delta

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR4-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7.071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR4-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TCL

Retire TY GR CR and GH4

Retire TY GR CR and MCB

Retire TY GR CR and GH2

Retire TY GR CR and MC1-2

Retire TY GR CR and BR1-2

Retire TY GR CR BR1-2 and MC1-2

Retirement Cost Delta

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR4-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TCL

Retire TY GR CR and GH4

Retire TY GR CR and MCB

Retire TY GR CR and GH2

Retire TY GR CR and MC1-2

Retire TY GR CR and BR1-2

Retire TY GR CR BR1-2 and MC1-2

Existing Unit Fixed Cost

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR4-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Discount Rate:

	2058	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
Retire TY GR CR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and CH4																					
Retire TY GR CR and MCA																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCA-2																					
Retire TY GR CR and BRL-2																					
Retire TY GR CR BRL-2 and MCA-2																					

Existing Unit Exhd O&M Delta

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BRL-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCA																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCA-2																					
Retire TY GR CR and BRL-2																					
Retire TY GR CR BRL-2 and MCA-2																					

New Controls Exhd O&M

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BRL-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCA																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCA-2																					
Retire TY GR CR and BRL-2																					
Retire TY GR CR BRL-2 and MCA-2																					

New Controls Exhd O&M Delta

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BRL-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCA																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCA-2																					
Retire TY GR CR and BRL-2																					
Retire TY GR CR BRL-2 and MCA-2																					

Total Revenue Requirements

No Retirements	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Discount Rate:

	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR4-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR BR1-2 and MCL-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Revenue Requirements Delta																	
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR4-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Total Revenue Requirements Cumulative D																	
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR4-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
System 502 Emissions Expense																	
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR4-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR BR1-2 and MCL-2

System Annual Nox Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Coona Nox Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Total Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total RR Minus Emissions Expense

No Retirements
 Retire TY

Discount Rate:

	2052	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR CR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TCI																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				

Total RR Minus Emissions Expense Delta

No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR CR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TCI																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	
BR	BRL1	5,183	4,991	4,800	4,608	4,417	4,225	4,033	3,842	3,650	3,458	3,267	1,327	0	0	0	0	0	0	0	0	0	0	0	0
BR	BRL2	224	216	208	199	191	183	174	166	158	150	141	57	0	0	0	0	0	0	0	0	0	0	0	0
BR	BRL3	3,916	3,788	3,660	3,532	3,404	3,276	3,149	3,021	2,893	2,765	2,637	2,509	2,382	2,254	2,126	0	0	0	0	0	0	0	0	0
BR	BRL4	5,595	5,322	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	3,403	3,190	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR2	222	213	205	196	187	179	170	162	153	145	47	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR3	6,300	6,087	5,874	5,662	5,449	5,236	5,024	4,811	4,598	4,386	4,173	3,960	3,747	3,535	0	0	0	0	0	0	0	0	0	0
BR	BR4	6,095	5,893	5,690	5,487	5,284	5,082	4,879	4,676	4,474	4,271	4,068	3,865	3,663	3,460	1,405	0	0	0	0	0	0	0	0	0
GH	GH1	6,673	6,321	5,969	5,617	5,265	4,913	4,561	4,209	3,857	3,505	3,153	2,801	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH2	738	699	661	623	584	546	508	470	432	394	356	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH3	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,489	253	0	0
GH	GH4	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	219	207	196	0	0	0	0	0
GH	GH5	15,845	15,446	15,047	14,648	14,250	13,851	13,452	13,053	12,654	12,255	11,857	11,458	11,059	10,660	10,262	9,863	9,464	9,065	8,667	8,268	7,869	7,470	7,071	0
GH	GH6	9,669	9,372	9,075	8,777	8,480	8,183	7,886	7,588	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,914	4,617	4,320	4,023	3,726	0	0	0
GH	GH7	8,900	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,706	5,416	5,125	4,835	0	0	0	0	0	0	0	0	0
GH	GH8	814	786	758	730	701	673	645	617	589	561	532	504	476	448	420	392	364	336	308	280	252	224	196	168
MC	MCL1	8,313	7,850	7,387	6,924	6,461	6,000	5,539	5,078	4,617	4,156	3,695	3,234	2,773	2,312	1,851	1,390	929	468	17	0	0	0	0	0
MC	MCL2	6,754	6,377	5,999	5,622	5,244	4,867	4,490	4,113	3,736	3,359	2,982	2,605	2,228	1,851	1,474	1,097	720	343	166	17	0	0	0	0
MC	MCL3	6,114	5,816	5,518	5,220	4,922	4,624	4,326	4,028	3,730	3,432	3,134	2,836	2,538	2,240	1,942	1,644	1,346	1,048	750	452	154	156	158	160
MC	MCL4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL9	5,967	5,626	5,285	4,944	4,603	4,262	3,921	3,580	3,239	2,898	2,557	2,216	1,875	1,534	1,193	852	511	170	17	0	0	0	0	0
MC	MCL10	3,588	3,214	2,840	2,466	2,092	1,718	1,344	969	595	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL11	77	73	69	64	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL12	6,834	6,499	6,165	5,830	4,673	341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL13	691	652	613	574	535	496	457	418	379	340	301	262	223	184	145	106	67	28	17	0	0	0	0	0
MC	MCL14	10,183	9,661	9,139	8,617	8,095	7,573	7,051	6,529	6,007	5,485	4,963	4,441	3,919	3,397	2,875	2,353	1,831	1,309	787	265	17	0	0	0
MC	MCL15	226	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL16	7,069	6,707	6,345	5,983	5,621	5,259	4,897	4,535	4,173	3,811	3,449	3,087	2,725	2,363	2,001	1,639	1,277	915	553	191	17	0	0	0
MC	MCL17	789	748	708	618	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL1	6,171	5,897	5,623	5,349	5,075	4,801	4,527	4,253	3,979	3,705	3,431	3,157	2,883	2,609	2,335	2,061	1,787	1,513	1,239	965	691	417	143	17
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	2,050	1,967	1,884	1,800	1,717	1,634	1,550	1,467	1,384	1,301	1,218	1,135	1,052	969	886	803	720	637	554	471	388	305	222	139
GR	GR4	57	55	52	50	48	45	43	41	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8
GR	GR5	1,916	1,849	1,782	1,715	1,648	1,581	1,514	1,447	1,380	1,313	1,246	1,179	1,112	1,045	978	911	844	777	710	643	576	509	442	375
GR	GR6	2,615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR7	2,653	2,524	2,395	2,265	2,136	2,006	1,877	1,748	1,619	1,490	1,361	1,232	1,103	974	845	716	587	458	329	200	71	0	0	0
GR	GR8	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate																		
Unit Costs (\$000)																		
BR	BR1	3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135	
BR	BR2	6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383	
BR	BR3	15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279	
CR	CR4	14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560	
CR	CR5	11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546	
CR	CR6	10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159	
GH	GH1	17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240	
GH	GH2	12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372	
GH	GH3	17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138	
GH	GH4	11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659	
GR	GR3	4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640	
GR	GR4	7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167	
MC	MC1	11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389	
MC	MC2	16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664	
MC	MC3	18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278	
MC	MC4	16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308	
TC	TC1	17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512	
TY	TY3	410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541	

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$: 2010 Fixed O&M \$/yr

	Month	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1				598,882	610,860	623,077	635,538	648,249	661,214	674,439	687,927	701,686	715,720	730,034	744,635	759,527	774,718
BR	BR1				78,540	137,393	140,079	142,881	145,739	148,653	151,627	154,659	157,752	160,907	164,125	167,408	170,756	174,171
BR	BR2								2,141,793	2,184,629	2,228,332	2,272,888	2,318,346	2,364,713	2,412,007	2,460,247	2,509,452	2,559,641
BR	BR2				714,168	728,451	743,020	757,880	773,038	788,499	804,269	820,354	836,761	853,496	870,566	887,978	905,737	923,852
BR	BR2				134,640	137,393	140,079	142,881	145,739	148,653	151,627	154,659	157,752	160,907	164,125	167,408	170,756	174,171
BR	BR3								3,260,728	3,325,943	3,392,461	3,460,311	3,529,517	3,600,107	3,672,109	3,745,552	3,820,463	3,896,872
BR	BR3								1,110,689	1,132,903	1,155,561	1,178,672	1,202,245	1,226,290	1,250,816	1,275,832	1,301,349	1,327,376
GH	GH1				1,299,082	1,318,944	1,345,322	1,372,229	1,399,673	1,427,667	1,456,220	1,485,345	1,515,052	1,545,353	1,576,260	1,607,785	1,639,941	1,672,739
GH	GH1																	
GH	GH2				4,899													
GH	GH2				777,600	1,586,304	1,618,030	1,650,391	1,683,399	1,717,067	1,751,408	1,786,436	1,822,165	1,858,608	1,895,781	1,933,696	1,972,370	2,011,817
GH	GH2				100,674	102,687	104,741	106,836	108,973	111,152	113,375	115,643	117,956	120,315	122,721	125,175	127,679	130,232
GH	GH2								7,399,274	7,486,060	7,695,781	7,988,497	8,374,267	8,859,152	9,443,276	10,138,385	10,959,519	11,911,112
GH	GH3								1,384,741	1,412,435	1,440,684	1,469,498	1,498,888	1,528,865	1,559,443	1,590,632	1,622,444	1,654,893
GH	GH3																	
GH	GH3																	
GH	GH4																	
GH	GH4																	
GH	GH4																	
MC	MC1								631,870	1,289,014	1,314,795	1,341,091	1,367,912	1,395,271	1,423,176	1,451,640	1,480,672	1,510,286
MC	MC1																	
MC	MC1																	
MC	MC2																	
MC	MC2																	
MC	MC2																	
MC	MC2																	
MC	MC3																	
MC	MC3																	
MC	MC3																	
MC	MC4																	
MC	MC4																	
MC	MC4																	
MC	MC4																	
MC	MC4																	
TC	TC1																	
CR	CR4																	
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CR	CR6																	
CR	CR6																	
CR	CR6																	
GR	GR3																	
GR	GR3																	
GR	GR4																	
GR	GR4																	
GR	GR4																	
GR	GR4																	

Escalation Rate: 2% Year \$:

	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR BR1	790,212	806,016	822,137	838,590	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,530	1,002,180
BR BR1	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR BR1	2,610,834	2,663,051	2,716,312	2,770,658	2,826,051	2,882,572	2,940,223	2,999,028	3,059,008	3,120,188	3,182,592	3,246,244	3,311,169
BR BR2	942,329	961,175	980,989	1,000,007	1,020,007	1,040,007	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101
BR BR2	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR BR3	3,974,809	4,054,305	4,135,592	4,218,099	4,302,461	4,388,511	4,476,281	4,565,806	4,657,123	4,750,265	4,845,270	4,942,176	5,041,019
BR BR3	1,394,002	1,408,622	1,436,795	1,465,590	1,494,841	1,524,738	1,555,233	1,586,337	1,618,064	1,650,425	1,683,434	1,717,103	1,751,445
GH GH1	1,706,194	1,740,318	1,775,424	1,810,627	1,846,839	1,883,776	1,921,452	1,959,881	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867
GH GH1	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH1	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH2	2,052,054	2,093,095	2,134,957	2,177,656	2,221,209	2,265,633	2,310,946	2,357,165	2,404,308	2,452,394	2,501,442	2,551,471	2,602,500
GH GH2	132,837	135,494	138,204	140,968	143,787	146,663	149,598	152,588	155,640	158,753	161,928	165,166	168,470
GH GH2	8,946,534	9,125,465	9,307,974	9,494,134	9,684,017	9,876,697	10,072,251	10,270,756	10,472,291	10,676,937	10,884,676	11,095,505	11,309,529
GH GH3	1,687,991	1,721,751	1,756,186	1,791,310	1,827,136	1,863,678	1,900,952	1,938,971	1,977,751	2,017,306	2,057,652	2,098,805	2,140,781
GH GH3	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH3	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH4	1,634,782	1,667,477	1,700,827	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299
GH GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC MC1	-136,405	-139,133	-141,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994
MC MC1	1,870,843	1,908,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,831	2,280,547	2,326,158	2,372,681
MC MC1	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC MC2	3,877,689	3,955,242	4,034,347	4,115,034	4,197,335	4,281,282	4,366,907	4,454,245	4,543,330	4,634,197	4,726,861	4,821,438	4,917,847
MC MC2	351,957	358,996	366,176	373,499	380,969	388,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366
MC MC2	1,835,456	1,872,165	1,909,608	1,947,801	1,986,757	2,026,492	2,067,022	2,108,362	2,150,529	2,193,540	2,237,411	2,282,159	2,327,802
MC MC2	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC MC2	3,889,115	3,966,897	4,045,235	4,124,159	4,203,703	4,293,897	4,379,775	4,467,370	4,556,718	4,647,852	4,740,809	4,835,625	4,932,338
MC MC3	0	0	0	0	0	0	0	0	0	0	0	0	0
MC MC3	1,673,288	1,706,754	1,740,889	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,735	2,039,729	2,080,524	2,122,134
MC MC3	-48,588	-49,560	-50,551	-51,562	-52,594	-53,645	-54,718	-55,813	-56,929	-58,068	-59,229	-60,414	-61,622
MC MC3	0	0	0	0	0	0	0	0	0	0	0	0	0
MC MC4	1,961,738	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958
MC MC4	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC MC4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC MC4	1,277,465	1,303,015	1,329,075	1,355,656	1,382,269	1,410,425	1,438,639	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135
CR CR4	2,672,249	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058
CR CR4	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR4	1,701,041	1,735,062	1,769,765	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332
CR CR4	248,515	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177
CR CR4	241,374	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,239	300,118	306,120
CR CR5	2,846,495	2,903,425	2,961,493	3,020,723	3,081,137	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044
CR CR5	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR5	1,786,736	1,822,471	1,858,920	1,896,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013
CR CR5	252,800	257,856	263,013	268,273	273,638	279,111	284,699	290,387	296,195	302,119	308,161	314,325	320,611
CR CR5	245,658	250,572	255,583	260,695	265,909	271,227	276,651	282,184	287,828	293,584	299,456	305,445	311,554
CR CR6	3,416,365	3,484,692	3,554,366	3,625,474	3,697,983	3,771,943	3,847,382	3,924,330	4,002,816	4,082,872	4,164,530	4,247,820	4,332,777
CR CR6	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR6	2,330,898	2,377,516	2,425,066	2,473,567	2,523,039	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142
CR CR6	282,793	288,449	294,218	300,102	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650
CR CR6	272,795	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970
GR GR3	1,346,836	1,373,773	1,401,248	1,429,273	1,457,859	1,487,016	1,516,756	1,547,091	1,578,033	1,609,594	1,641,786	1,674,622	1,708,114
GR GR3	4,744,634	4,839,527	4,936,317	5,035,044	5,135,744	5,238,459	5,343,229	5,450,093	5,559,095	5,670,277	5,783,682	5,899,356	6,017,343
GR GR3	201,383	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402
GR GR4	1,833,868	1,870,546	1,907,956	1,946,116	1,985,038	2,024,739	2,065,233	2,106,538	2,148,669	2,191,642	2,235,475	2,280,185	2,325,788
GR GR4	6,154,313	6,277,399	6,402,947	6,531,006	6,661,626	6,794,859	6,930,756	7,069,371	7,210,759	7,354,974	7,502,073	7,650,157	7,805,157
GR GR4	214,237	218,522	222,892	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
2011 BR			468	629	595	565	538	513	489	464	440	415	391	367	350	341	332	323	315	306	297	288	279	271	262	253	244	235	
2012 BR				480	645	610	579	551	526	501	476	451	426	401	376	359	350	341	332	323	313	304	295	286	277	268	259	250	
2013 BR					492	661	625	594	565	539	513	488	462	436	411	385	368	358	349	340	331	321	312	303	293	284	275	266	
2014 BR						504	641	609	579	552	526	500	474	447	421	395	377	367	358	348	339	329	320	310	301	291	282	273	
2015 BR							517	684	657	624	594	566	539	512	485	458	432	405	386	377	367	357	347	338	328	318	308	299	
2016 BR								530	712	674	639	608	580	553	525	498	470	442	415	396	386	376	366	356	346	336	326	316	
2017 BR									543	729	690	655	624	595	567	538	510	482	453	425	406	396	385	375	365	355	344	334	
2018 BR										557	748	708	672	639	610	581	552	523	494	465	436	416	406	395	385	374	364	353	
2019 BR											571	766	725	688	655	625	595	566	536	506	476	446	416	406	394	383	373	363	
2020 BR												585	785	743	706	672	641	610	580	549	488	458	426	416	405	394	383	373	
2021 BR													600	805	762	723	688	657	625	594	563	500	469	448	437	426	415	404	
2022 BR													615	825	782	741	706	673	641	609	577	545	513	481	449	438	427	416	
2023 BR													630	846	801	760	723	690	657	624	591	559	526	493	471	459	447	436	
2024 BR														646	827	781	741	707	673	640	606	572	539	505	482	471	459	447	
2025 BR															662	889	841	798	760	725	690	656	621	587	552	526	505	482	
2026 BR																678	911	862	818	779	743	708	672	637	602	566	539	518	
2027 BR																	695	934	884	839	798	761	725	689	653	617	586	561	
2028 BR																		957	906	860	818	781	745	706	669	632	595	568	
2029 BR																			981	928	881	839	800	762	724	684	644	607	
2030 BR																				1,005	952	903	860	820	781	743	706	669	
2031 BR																					1,031	975	926	881	841	801	761	721	
2032 BR																						768	787	806	825	844	863	882	
2033 BR																							1,056	1,031	1,006	981	956	931	
2034 BR																								1,081	1,056	1,031	1,006	981	
2035 BR																									1,106	1,081	1,056	1,031	
2036 BR																										1,131	1,106	1,081	
2037 BR																											1,156	1,131	1,106
2038 BR																												1,181	1,156
2039 BR																													1,206
2040 BR																													1,231
2041 GR																													1,256
2042 GR																													1,281
2043 GR																													1,306
2044 GR																													1,331
2045 GR																													1,356
2046 GR																													1,381
2047 GR																													1,406
2048 GR																													1,431
2049 GR																													1,456
2050 GR																													1,481
2051 GR																													1,506
2052 GR																													1,531
2053 GR																													1,556
2054 GR																													1,581
2055 GR																													1,606
2056 GR																													1,631
2057 GR																													1,656
2058 GR																													1,681
2059 GR																													1,706
2060 GR																													1,731
2061 TY																													1,756
2062 TY																													1,781
2063 TY																													1,806
2064 TY																													1,831
2065 TY																													1,856
2066 TY																													1,881
2067 TY																													1,906
2068 TY																													1,931
2069 TY																													1,956
2070 TY																													1,981

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036																
2021 TY			120																																									
2022 TY			175	165	157	149	141	134	127	120	113	106	99	93	87	81	75	69	63	57	51	45	39	33	27	21	15	9	3															
2023 TY			123	179	184	174	165	156	149	141	134	126	119	111	104	98	92	86	80	74	68	62	56	50	44	38	32	26	20	14														
2024 TY				129	188	178	169	160	152	145	137	129	122	114	106	101	95	89	83	77	71	65	59	53	47	41	35	29	23	17	11													
2025 TY					132	188	178	169	160	152	145	137	129	122	114	106	101	95	89	83	77	71	65	59	53	47	41	35	29	23	17	11												
2026 TY						132	188	178	169	160	152	145	137	129	122	114	106	101	95	89	83	77	71	65	59	53	47	41	35	29	23	17	11											
2027 TY							136	198	187	177	168	160	152	144	136	128	120	112	104	96	88	80	72	64	56	48	40	32	24	16	8	0	0											
2028 TY							143	203	192	182	172	164	156	148	140	131	122	113	104	95	86	77	68	59	50	41	32	23	14	5	0	0	0											
2029 TY								146	208	196	186	177	168	159	150	141	132	123	114	105	96	87	78	69	60	51	42	33	24	15	6	0	0	0										
2030 TY									150	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0										
2031 TY										154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0									
2032 TY											154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0								
2033 TY												154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0							
2034 TY													154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0						
2035 TY														154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0					
2036 TY															154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0				
2037 TY																154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0			
2038 TY																	154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0		
2039 TY																		154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0	
2040 TY																			154	218	201	191	181	172	163	154	145	136	127	118	109	100	91	82	73	64	55	46	37	28	19	10	0	0

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	2,234	2,232	2,411	2,446	2,540	2,239	2,239	2,145	2,055	1,969	1,867	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,693	3,986	4,135	4,045	3,868	3,703	3,546	3,397	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR	BR3	416	9,202	9,564	9,930	10,300	10,076	9,656	9,223	8,833	8,463	8,109	7,689	7,289	6,910	6,553	6,218	5,906	5,607	5,312	5,021	4,733	4,450	4,171	3,897
CR	CR4	155	2,405	2,465	2,526	2,589	2,492	2,292	2,102	1,921	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR	CR5	168	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,082	1,893	1,713	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103	0
CR	CR6	240	3,723	3,816	3,912	4,009	3,858	3,549	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	623	459	301	148	0
GH	GH1	475	16,601	17,256	17,918	18,587	17,439	16,688	15,994	15,334	14,702	14,098	13,526	12,986	12,466	11,965	11,485	10,994	10,486	9,956	9,432	8,915	8,405	7,902	7,269
GH	GH2	484	16,915	17,583	18,257	18,939	17,789	17,032	16,363	15,695	15,028	14,362	13,698	13,036	12,376	11,717	11,059	10,398	9,733	9,066	8,402	7,739	7,077	6,416	5,756
GH	GH3	480	16,775	17,437	18,106	18,782	18,384	17,623	16,863	16,163	15,495	14,857	14,246	13,516	12,820	12,159	11,535	10,948	10,399	9,873	9,354	8,841	8,336	7,837	7,346
GH	GH4	479	16,741	17,401	18,069	18,743	18,346	17,585	16,828	16,129	15,463	14,826	14,217	13,488	12,793	12,134	11,511	10,925	10,378	9,853	9,334	8,823	8,318	7,821	7,331
GR	GR3	68	1,295	1,343	1,377	1,411	1,364	1,281	1,203	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373	331
GR	GR4	95	1,809	1,876	1,933	1,971	1,906	1,790	1,680	1,575	1,476	1,380	1,288	1,201	1,118	1,040	967	898	832	767	704	641	580	521	462
MC	MC1	303	10,278	10,535	10,798	11,068	10,698	10,020	9,375	8,758	8,166	7,598	7,053	6,531	6,033	5,559	5,110	4,687	4,290	3,910	3,538	3,173	2,817	2,468	2,118
MC	MC2	301	10,210	10,465	10,727	10,995	10,627	9,954	9,313	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,262	3,884	3,515	3,152	2,798	2,452	2,114
MC	MC3	391	13,263	13,555	13,853	14,283	13,805	12,991	12,097	11,301	10,538	9,805	9,102	8,428	7,785	7,174	6,595	6,048	5,536	5,046	4,565	4,095	3,635	3,185	2,746
MC	MC4	477	16,180	16,585	16,999	17,424	16,841	15,775	14,758	13,787	12,856	11,962	11,104	10,282	9,498	8,752	8,045	7,379	6,754	6,156	5,570	4,996	4,434	3,886	3,350
TC	TC1	383	3,725	3,875	4,026	4,180	4,093	3,927	3,771	3,623	3,483	3,349	3,222	3,101	2,986	2,878	2,777	2,682	2,596	2,425	2,262	2,099	1,939	1,888	1,838
TC	TC2	549	5,339	5,554	5,771	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,618	4,445	4,280	4,125	3,980	3,802	3,636	3,476	3,319	3,163	3,009	2,857	2,706
TY	TY3	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749	646

2.50%

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
81	2021 TY	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	2022 TY	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	2023 TY	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	2024 TY	82	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	2025 TY	87	84	80	77	73	70	66	63	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	2026 TY	93	89	86	82	79	75	72	68	64	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	2027 TY	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0	0	0	0
123	2028 TY	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0	0	0	0
134	2029 TY	114	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0	0	0	0
146	2030 TY	120	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0	0	0	0	0	0
159	2031 TY	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0	0	0	0	0
172	2032 TY	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0	0	0	0	0
186	2033 TY	158	148	139	133	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0	0	0	0	0
200	2034 TY	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0	0	0	0	0
216	2035 TY	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72	0	0	0	0
234	2036 TY	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78	0	0	0	0
253	2037 TY	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85	0	0	0	0
278	2038 TY	233	221	210	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99	92	0	0	0	0
382	2039 TY	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	0	0	0	0
187	2040 TY	192	179	164	150	138	126	115	108	102	96	91	87	83	79	75	71	67	0	0	0	0	0	0	0

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
BR	Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
BR	Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
BR	Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
CR	Landfill Capital Savings	936	3,049	4,083	3,979	4,416	4,938	4,772	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
CR	Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
CR6	Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
GH	Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
GH	Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
TC	Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR	Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
BR	Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
BR	Landfill O&M Savings		4,256	4,384	4,515	4,651									
CR	Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
CR	Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
CR6	Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
GH	Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
GH	Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
TC	Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
TC	Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BR1	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,005	1,008	962	915	928	901	875	848	821
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,025	1,028	1,000	973	946	918	891	864	837
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828
GR	GR3	68	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431
MC	MCL	303	0	0	0	1,215	1,774	1,682	1,598	1,514	1,430	1,346	1,262	1,178	1,094	1,010	926	883	851	819	787	755	723	691	659	627	595	563
MC	MCL2	301	0	0	0	1,207	1,762	1,671	1,588	1,504	1,420	1,336	1,252	1,168	1,084	1,000	916	873	841	809	777	745	713	681	649	617	585	553
MC	MCL3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,246	1,196	1,139	1,097	1,056	1,015	973	932	891	849	808
MC	MCL4	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986
TC	TCL	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441
TC	TCL2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632
TY	TY3	71	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309
BRWATER	BRWATER		0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094
CRWATER	CRWATER		0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	0	0	0	0
MCWATER	MCWATER		0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041
TCWATER	TCWATER		0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072
GRWATER	GRWATER		0	0	0	5,902	7,892	7,485	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,532	3,423	3,315
GRWATER	GRWATER		0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,083	1,049	1,015	980	946	912	877	843	809	774	740
MCLCOOL	MCLCOOL		0	0	0	0	0	0	1,780	2,599	2,465	2,342	2,228	2,123	2,022	1,921	1,819	1,718	1,617	1,515	1,414	1,340	1,293	1,246	1,199	1,152	1,105	1,058

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	301	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL	303	1,605	1,526	1,447	1,368	1,289	1,210	1,131	1,052	973	894	815	736	657	578	499	420	341	262	183	104	25	0	0
MC	MC2	301	590	558	526	494	462	430	398	366	334	302	270	238	206	174	142	110	78	46	14	0	0	0	0
MC	MC3	391	766	725	684	643	602	561	520	479	438	397	356	315	274	233	192	151	110	69	28	0	0	0	0
MC	MC4	477	935	885	834	783	732	681	630	579	528	477	426	375	324	273	222	171	120	69	18	0	0	0	0
TC	TC1	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	200	187	175	163	151
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	286	268	250	232	214
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER	BRWATER	2,023	1,952	1,882	1,811	1,740	1,670	1,600	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0
CRWATER	CRWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER	MCWATER	2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER	TCWATER	1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	485	454	423	392	361	330
GRWATER	GRWATER	3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	1,693	1,585	1,477	1,369	1,261	1,153	1,045	937	829	721
GRWATER	GRWATER	706	671	637	603	568	533	498	463	428	393	358	323	288	253	218	183	148	113	78	43	0	0	0	0
MCLCOOL	MCLCOOL	1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PYRR Difference from Recommended

	Assumptions					Cooling Towers	PYRR (\$Millions)			Retire BR1-2 and MCI-2	
	Gas Price Forecast	Coal Price Forecast	NOx/SO2 Prices	CO2 Prices	New SCRs		Recommended Portfolio	Retire BR1-2	MCI-2	Retire BR1-2	MCI-2
Base Compliance Plan ¹	Compliance Plan	Compliance Plan	None	None	None	None	32,786	33,083	34,268	297	1,482
Scenario 1 ²	2011 PIRA	2011 Wood Mac	None	None	None	None	35,139	35,354	36,325	214	1,186
Scenario 2 ²	2011 Wood Mac	2011 Wood Mac	None	None	None	None	34,462	34,545	35,180	83	718
Scenario 3 ²	2011 CERA	2011 CERA	None	None	None	None	30,910	30,910	31,348	0	438
Scenario 4 ³	AESC (Nominal)	Compliance Plan	None	None	None	None	32,671	32,909	33,969	239	1,298
Scenario 5 ³	AESC (Nominal)	Compliance Plan	None	Synapse Low	None	None	43,577	No Analysis	43,968	N/A	391
Scenario 6 ³	AESC (Nominal)	Compliance Plan	None	Synapse Mid	None	None	50,653	No Analysis	50,484	N/A	(168)
Scenario 7 ⁴	Compliance Plan	Compliance Plan	None	None	GH2, MCI-2	MCI	33,359	33,653	No Analysis	300	N/A
Scenario 8 ⁴	Compliance Plan	Compliance Plan	EPA	None	GH2, MCI-2	MCI	33,438	33,735	No Analysis	297	N/A
Scenario 9 ⁴	2011 PIRA	2011 Wood Mac	EPA	None	GH2, MCI-2	MCI	35,387	35,562	No Analysis	175	N/A
Scenario 10 ⁴	2011 PIRA	2011 Wood Mac	EPA	None	BR1-2, GH2, MCI-2	MCI	35,596	35,562	36,122	(34)	526
Scenario 11 ⁵	AESC (Nominal)	Compliance Plan	EPA	None	BR1-2, GH2, MCI-2	MCI	33,537	33,564	34,286	27	749
Scenario 12 ⁶	Compliance Plan	Compliance Plan	EPA	\$30 2020+	GH2, MCI-2	MCI	41,585	41,699	42,054	114	469
Scenario 13 ⁶	Compliance Plan	Compliance Plan	EPA	\$30 2020+	BR1-2, GH2, MCI-2	MCI	41,793	41,699	42,054	(94)	261
Scenario 14 ⁷	Compliance Plan	Compliance Plan	EPA	\$50 2020+	BR1-2, GH2, MCI-2	MCI	47,130	46,947	46,955	(184)	(176)

Least-Cost Portfolio

¹These values reflect the correction of the landfill cost error identified by Dr. Fisher and the error identified by the Companies' in response to Supplemental Requests for Information of Rick Clewett, Raymond Barry, Sierra Club and the Natural Resource Defense Council dated August 18, 2011, Question No. 8(b). The impact of these errors is insignificant.

²These values are consistent with the 2011 Air Compliance Plan Supplemental Analysis filed on September 15, 2011 and reflect the correction of the aforementioned errors (see Footnote 1).

³These values are consistent with Exhibit DSS-2 in the Rebuttal Testimony of David Sinclair filed on October 24, 2011 and reflect the correction of the aforementioned errors (see Footnote 1).

⁴These values were developed in response to Question No. 1 of Commission Staff's Third Request for Information.

⁵These values were developed in response to Question No. 2 of Commission Staff's Third Request for Information.

⁶These values were developed in response to Question No. 3 of Commission Staff's Third Request for Information.

⁷These values were developed in response to Question No. 4 of Commission Staff's Third Request for Information.

Discount Rate: 6.15%

New Unit Capital Land Production Cost

Table with columns for Year (2011-2031) and rows for various retirement scenarios (e.g., No Retirement, Retire TY GR and CR, etc.).

Production Cost

Table with columns for Year (2011-2031) and rows for various retirement scenarios (e.g., No Retirement, Retire TY GR and CR, etc.).

Production Cost Delta

Table with columns for Year (2011-2031) and rows for various retirement scenarios (e.g., No Retirement, Retire TY GR and CR, etc.).

New Unit Capital

Table with columns for Year (2011-2031) and rows for various retirement scenarios (e.g., No Retirement, Retire TY GR and CR, etc.).

Discount Rate:

Table with columns: SM, HYPER, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034

New Unit Central Data

No Retirements

Table with columns: Retiree ID, Description (e.g., Retiree TY GR CR and GHI), and values for years 2011-2034.

New Controls Central

No Retirements

Table with columns: Retiree ID, Description (e.g., Retiree TY GR CR and GHI), and values for years 2011-2034.

New Controls Control Data

No Retirements

Table with columns: Retiree ID, Description (e.g., Retiree TY GR CR and GHI), and values for years 2011-2034.

Discount Rate: 6.71%

SM	\$100	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
NEVER	800	854	911	973	1,038	1,107	1,182	1,261	1,346	1,436	1,532	1,635	1,745	1,862	1,997	2,120	2,262	2,414	2,576	2,749	2,931	3,122	3,322	3,530
GH1	-94	-100	-107	-114	-122	-130	-139	-148	-158	-169	-180	-192	-205	-219	-234	-249	-266	-284	-303	-323	-344	-366	-389	-413
GH2	859	917	979	1,044	1,114	1,189	1,269	1,354	1,445	1,542	1,645	1,755	1,874	1,999	2,133	2,277	2,429	2,592	2,768	2,952	3,142	3,339	3,542	3,751
MCI-1	1,161	1,239	1,323	1,411	1,506	1,607	1,715	1,830	1,953	2,084	2,224	2,373	2,532	2,702	2,883	3,077	3,283	3,503	3,738	3,989	4,246	4,509	4,778	5,052
MCI-2	1,146	1,223	1,305	1,393	1,486	1,586	1,692	1,806	1,927	2,056	2,194	2,341	2,499	2,666	2,845	3,036	3,240	3,457	3,689	3,937	4,191	4,451	4,717	5,000
MCI-3	1,022	1,091	1,164	1,242	1,325	1,414	1,509	1,610	1,718	1,833	1,956	2,088	2,228	2,377	2,537	2,707	2,889	3,083	3,289	3,507	3,737	3,979	4,233	4,500

Breakeven Year

Month	Year
BRE-1	2019
BRE-2	2021
GH3	2020
MCI-1	2023
MCI-2	2018
MCI-3	2024

Discount Rate:

2024 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 2051 2052 2053 2054 2055 2056 2057 2058

New Unit Capital Land Production Cost

No Retirements	2,810,631	2,877,641	2,946,904	2,970,823	3,106,259	3,099,803	3,223,656
Retire TY	2,781,021	2,806,645	2,847,160	2,893,718	3,098,752	3,099,189	3,218,926
Retire TY and GR3	2,819,356	2,884,041	2,921,047	2,985,706	3,088,952	3,111,229	3,228,995
Retire TY GR3 and BR3	2,841,342	3,012,379	3,052,454	3,105,052	3,232,762	3,261,067	3,356,267
Retire TY GR3 and CR4	2,906,093	2,976,345	3,004,967	3,047,571	3,156,730	3,152,686	3,282,115
Retire TY GR3 GR4 and CR6	2,954,746	3,025,141	3,070,022	3,114,639	3,228,839	3,269,102	3,386,758
Retire TY GR3 CR4 and BR4-2	2,993,489	3,062,018	3,163,707	3,207,615	3,344,712	3,348,270	3,481,456
Retire TY GR3 CR4 and CR	3,010,954	3,141,044	3,177,958	3,231,578	3,324,386	3,340,255	3,462,085
Retire TY GR3 CR and GH3	3,211,353	3,368,710	3,380,863	3,375,721	3,475,090	3,541,696	3,652,749
Retire TY GR3 CR and GH1	3,227,107	3,273,424	3,342,764	3,387,815	3,510,587	3,547,397	3,667,944
Retire TY GR4 and CR	2,990,195	3,079,496	3,153,676	3,209,119	3,335,277	3,345,599	3,474,318
Retire TY GR4 and MCL4	3,302,720	3,374,101	3,401,496	3,458,484	3,524,069	3,571,697	3,683,545
Retire TY GR4 and TCL	3,245,550	3,299,793	3,354,616	3,393,757	3,521,728	3,554,607	3,682,337
Retire TY GR4 and GH4	3,287,491	3,366,094	3,380,935	3,452,594	3,544,092	3,568,899	3,688,305
Retire TY GR4 and MCL3	3,230,741	3,273,640	3,340,545	3,385,116	3,507,401	3,543,250	3,656,994
Retire TY GR4 and GH2	3,250,293	3,371,947	3,410,548	3,449,403	3,554,470	3,566,153	3,670,304
Retire TY GR4 and MCL2	3,270,326	3,350,027	3,434,564	3,498,221	3,628,147	3,634,769	3,756,518
Retire TY GR4 CR and BR4-2	3,270,326	3,350,027	3,434,564	3,498,221	3,628,147	3,634,769	3,756,518
Retire TY GR4 CR and BR4-2	3,095,065	3,175,236	3,235,857	3,285,832	3,419,457	3,460,213	3,573,966
Retire TY GR CR BR1-2 and MCL-2	3,374,019	3,456,639	3,522,729	3,611,577	3,719,222	3,735,784	3,875,886

Production Cost

No Retirements	2,458,883	2,503,116	2,545,485	2,606,674	2,738,038	2,733,620	2,866,458
Retire TY	2,437,730	2,528,558	2,546,758	2,597,664	2,720,053	2,736,074	2,869,662
Retire TY and GR3	2,419,957	2,500,375	2,552,626	2,612,046	2,740,908	2,757,377	2,875,350
Retire TY GR3 and BR3	2,451,888	2,619,660	2,674,722	2,741,858	2,874,962	2,897,236	2,994,435
Retire TY GR3 and CR4	2,477,164	2,549,090	2,596,267	2,653,877	2,780,577	2,791,680	2,936,049
Retire TY GR3 CR4 and CR6	2,545,292	2,652,422	2,692,290	2,751,445	2,871,039	2,905,271	3,024,926
Retire TY GR3 CR4 and BR1-2	2,628,375	2,721,690	2,799,360	2,856,595	2,965,100	2,970,716	3,113,147
Retire TY GR3 and CR	2,627,130	2,723,086	2,738,244	2,796,638	2,897,227	2,940,986	3,077,938
Retire TY GR3 CR and GH3	2,761,222	2,851,445	2,914,715	2,975,242	3,081,135	3,142,841	3,257,023
Retire TY GR3 CR and GH1	2,814,632	2,840,527	2,915,457	2,977,473	3,106,779	3,138,543	3,261,764
Retire TY GR4 and CR	2,625,071	2,720,128	2,789,329	2,838,499	2,955,665	2,968,055	3,106,009
Retire TY GR4 and MCL4	2,851,780	2,900,377	2,929,359	3,004,044	3,098,801	3,151,130	3,279,255
Retire TY GR4 and TCL	2,833,075	2,866,856	2,927,309	2,983,417	3,117,920	3,145,753	3,276,157
Retire TY GR4 and GH4	2,805,470	2,867,137	2,920,808	3,009,464	3,117,489	3,158,429	3,293,761
Retire TY GR4 and MCL3	2,818,266	2,840,742	2,913,238	2,974,776	3,103,593	3,134,396	3,260,814
Retire TY GR4 and GH2	2,808,272	2,899,090	2,950,421	3,006,273	3,127,877	3,155,668	3,275,760
Retire TY GR4 and MCL-2	2,856,866	2,954,100	3,024,164	3,082,096	3,203,577	3,224,194	3,358,485
Retire TY GR4 CR and BR4-2	2,693,138	2,780,999	2,855,531	2,927,695	3,028,336	3,060,676	3,177,079
Retire TY GR CR BR1-2 and MCL-2	2,942,784	3,041,022	3,114,027	3,199,015	3,301,507	3,334,221	3,493,810

Production Cost Delta

No Retirements	-21,153	25,442	1,273	-9,010	-17,985	2,454	3,205
Retire TY	-18,773	-28,183	5,869	14,381	20,854	21,303	5,687
Retire TY and GR3	112,931	119,285	122,096	129,812	134,054	139,860	119,085
Retire TY GR3 and BR3	59,207	48,715	43,640	43,832	39,669	34,303	60,700
Retire TY GR3 and CR4	68,127	83,332	96,024	95,568	90,462	113,592	88,877
Retire TY GR3 CR4 and CR6	83,083	90,268	107,069	85,550	94,061	65,455	88,221
Retire TY GR3 CR4 and BR1-2	81,838	90,663	45,953	45,193	36,189	35,714	53,012
Retire TY GR3 CR and CR	134,092	128,359	176,472	178,604	173,908	201,855	179,085
Retire TY GR3 CR and GH3	187,582	117,441	177,213	180,885	199,552	197,558	183,826
Retire TY GR4 and CR	-2,058	-2,998	51,085	-41,861	48,437	27,070	28,071
Retire TY GR4 and MCL4	236,708	180,249	140,030	165,545	131,137	183,075	173,245
Retire TY GR4 and TCL	208,004	146,727	137,990	144,918	162,255	171,698	170,148
Retire TY GR4 and GH4	180,389	167,009	131,479	170,965	161,824	190,374	187,752
Retire TY GR4 and MCL3	193,195	120,614	123,909	136,277	147,928	166,341	154,805
Retire TY GR4 and GH2	183,201	174,902	161,092	167,774	172,212	187,628	169,751
Retire TY GR4 CR and MCL-2	231,735	233,972	234,836	243,597	247,912	246,139	252,475
Retire TY GR CR and BR1-2	68,067	68,871	66,202	89,136	72,671	92,621	71,069
Retire TY GR CR BR1-2 and MCL-2	249,646	252,023	258,496	271,381	273,171	273,545	276,731

New Unit Capital

No Retirements	351,748	374,525	371,419	364,149	369,221	366,183	357,179
Retire TY	343,291	376,087	400,402	396,054	378,699	383,115	349,264
Retire TY and GR3	400,399	395,686	366,421	353,661	346,044	353,832	353,045
Retire TY GR3 and BR3	409,454	392,719	377,722	363,194	357,800	363,831	361,832
Retire TY GR3 and CR4	428,929	427,255	408,700	391,694	376,143	361,006	346,066
Retire TY GR3 CR4 and CR6	409,454	392,719	377,722	363,194	357,800	363,831	361,832
Retire TY GR3 CR4 and BR1-2	365,124	359,328	364,348	370,620	379,613	377,544	368,309
Retire TY GR3 CR and CR	383,824	417,958	434,944	434,940	417,159	399,769	384,147
Retire TY GR3 CR and GH3	450,131	432,265	416,148	400,479	393,955	398,855	395,726

Discount Rate:

Table with columns for years 2034 to 2058 and rows for various retirement plan categories like 'Retiree TY GR3 CR and GH1'.

New Unit Control Delta

No Retirements

Table with columns for years 2034 to 2058 and rows for various retirement plan categories like 'Retiree TY'.

New Control Capital

No Retirements

Table with columns for years 2034 to 2058 and rows for various retirement plan categories like 'Retiree TY'.

New Control Capital Delta

No Retirements

Table with columns for years 2034 to 2058 and rows for various retirement plan categories like 'Retiree TY'.

5/17/2011

Discount Rate:

2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH1
- Retire TY GR3 CR and CR
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCA-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCA-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCA-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCA-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCA-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCA-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2 and MCL-2

New Unit Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Control Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Control Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MCS
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079

MTP Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

MTP Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Retire TY GR and CR	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
Retire TY GR CR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCA3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCL-2																					
Retire TY GR CR and BR1-2																					

Water Capital

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 CR and CR																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCA3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCL-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCL-2																					

Water Capital Delta

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCA																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCA3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCL-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCL-2																					

Total Capital

No Retirements																					
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Capital Delta

No Retirements																					
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Discount Rates:

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement O&M Cost

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TCL

Retire TY GR CR and GH4

Retire TY GR CR and MC3

Retire TY GR CR and GH2

Retire TY GR CR and MCL-2

Retire TY GR CR and BR1-2

Retire TY GR CR BR1-2 and MCL-2

Retirement O&M Cost Delta

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TCL

Retire TY GR CR and GH4

Retire TY GR CR and MC3

Retire TY GR CR and GH2

Retire TY GR CR and MCL-2

Retire TY GR CR and BR1-2

Retire TY GR CR BR1-2 and MCL-2

Existing Unit Fixed O&M

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

Existing Unit-Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY CR and MC4
 Retire TY CR and TC1
 Retire TY CR and GH4
 Retire TY CR and MC3
 Retire TY CR and GH2
 Retire TY CR CR and MC1-2
 Retire TY CR CR and BR1-2
 Retire TY CR CR BR1-2 and MC1-2

New Controls Fixed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY CR and MC4
 Retire TY CR and TC1
 Retire TY CR and GH4
 Retire TY CR CR and MC3
 Retire TY CR CR and GH2
 Retire TY CR CR and MC1-2
 Retire TY CR CR and BR1-2
 Retire TY CR CR BR1-2 and MC1-2

New Controls Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY CR and MC4
 Retire TY CR and TC1
 Retire TY CR and GH4
 Retire TY CR and MC3
 Retire TY CR CR and GH2
 Retire TY CR CR and MC1-2
 Retire TY CR CR and BR1-2
 Retire TY CR CR BR1-2 and MC1-2

Total Revenue Requirements

No Retirements 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Revenue Requirements Data

No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Revenue Requirements Cumulative

No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5/17/2011

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BRIFFP 0	5,183	4,991	4,800	4,608	4,417	4,225	4,033	3,842	3,650	3,458	3,267	3,075	2,883	2,691	2,500	2,308	2,116	1,924	1,732	1,540	1,348	1,156	964
BR	BRLSAM 0	224	216	208	199	191	183	174	166	158	150	141	132	124	115	106	98	90	81	73	64	56	47	39
BR	BRZFFP 0	5,535	5,322	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	3,403	3,190	2,977	2,764	2,551	2,338	2,125	1,912	1,699	1,486	1,273	1,060	847
BR	BRZSAM 0	222	213	205	196	187	179	170	162	153	145	137	128	120	111	103	94	86	77	69	60	52	44	35
BR	BRHFFP 0	6,095	5,883	5,670	5,457	5,244	5,032	4,819	4,606	4,393	4,180	3,967	3,754	3,541	3,328	3,115	2,902	2,689	2,476	2,263	2,050	1,837	1,624	1,411
BR	BRHSAM 0	6,673	6,321	5,969	5,617	5,265	4,913	4,561	4,209	3,857	3,505	3,153	2,801	2,449	2,097	1,745	1,393	1,041	689	337	-15	-167	-319	-471
GH	GH1 0	738	699	661	623	584	546	507	469	430	392	353	315	276	238	199	161	122	83	44	5	-34	-75	-116
GH	GH2 0	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,489	2,653	1,817
GH	GH2SAM 0	406	394	383	371	359	348	336	324	312	301	289	277	265	254	242	231	219	207	196	184	172	160	148
GH	GH3FFP 0	9,669	9,372	9,075	8,777	8,480	8,183	7,886	7,588	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,914	4,617	4,320	4,023	3,726	3,429	3,132
GH	GH3SAM 0	809	782	756	730	703	677	650	624	598	571	545	518	492	465	439	412	386	360	334	307	281	254	228
GH	GH4FFP 0	8,900	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,706	5,416	5,125	4,835	4,544	4,254	3,964	3,674	3,384	3,094	2,804	2,514
GH	GH4SAM 0	814	786	758	730	701	673	645	617	589	561	532	504	476	447	419	391	363	335	307	279	251	223	195
MC	MC1 0	8,213	7,850	7,487	7,124	6,761	6,398	6,035	5,672	5,309	4,946	4,583	4,220	3,857	3,494	3,131	2,768	2,405	2,042	1,679	1,316	953	590	227
MC	MC1FFP 0	6,754	6,377	5,999	5,622	5,244	4,867	4,490	4,113	3,736	3,359	2,982	2,605	2,228	1,851	1,474	1,097	720	343	-34	-343	-692	-1,041	-1,390
MC	MC1SAM 0	431	407	383	359	335	311	287	263	239	215	191	167	143	119	95	71	47	23	-1	-26	-51	-76	-101
MC	MC2 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2FFP 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3 0	3,388	3,214	3,040	2,866	2,692	2,518	2,344	2,170	1,996	1,822	1,648	1,474	1,300	1,126	952	778	604	430	256	82	-92	-166	-240
MC	MC3FFP 0	77	73	69	64	60	56	51	47	43	39	35	31	27	23	19	15	11	7	3	-1	-5	-10	-15
MC	MC3SAM 0	6,834	6,489	6,144	5,799	5,454	5,109	4,764	4,419	4,074	3,729	3,384	3,039	2,694	2,349	2,004	1,659	1,314	969	624	279	-66	-140	-214
MC	MC4 0	10,183	9,661	9,139	8,617	8,095	7,573	7,051	6,529	6,007	5,485	4,963	4,441	3,919	3,397	2,875	2,353	1,831	1,309	787	265	-157	-239	-321
MC	MC4FFP 0	226	92	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4SAM 0	7,069	6,707	6,344	5,981	5,618	5,255	4,892	4,529	4,166	3,803	3,440	3,077	2,714	2,351	1,988	1,625	1,262	900	537	174	12	-52	-104
MC	MC4FFP 0	789	748	708	668	628	588	548	508	468	428	388	348	308	268	228	188	148	108	68	28	-12	-62	-112
TC	TC1 0	6,171	5,897	5,623	5,349	5,075	4,801	4,527	4,253	3,979	3,705	3,431	3,157	2,883	2,609	2,335	2,061	1,787	1,513	1,239	965	691	417	143
CR	CR4 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4FFP 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5FFP 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6FFP 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3 0	2,050	1,967	1,884	1,800	1,717	1,634	1,550	1,467	1,384	1,301	1,218	1,135	1,052	969	886	803	720	637	554	471	388	305	222
GR	GR3FFP 0	57	55	52	50	48	45	43	41	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10
GR	GR3SAM 0	2,615	2,512	2,410	2,308	2,206	2,104	2,002	1,900	1,798	1,696	1,594	1,492	1,390	1,288	1,186	1,084	982	880	778	676	574	472	370
GR	GR4 0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1	3,816	4,811	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135	
BR	BR2	6,633	7,160	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383	
BR	BR3	15,885	20,876	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279	
CR	CR4	14,372	9,218	12,029	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560	
CR	CR5	11,842	9,889	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546	
CR	CR6	10,666	11,619	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159	
GH	GH1	17,829	19,141	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240	
GH	GH2	12,225	18,498	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372	
GH	GH3	17,961	13,501	12,475	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138	
GH	GH4	11,533	13,496	12,105	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659	
GR	GR3	4,270	5,792	4,360	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640	
GR	GR4	7,338	6,924	8,633	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167	
MC	MC1	11,892	17,333	12,669	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389	
MC	MC2	16,179	11,941	15,201	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664	
MC	MC3	18,313	14,238	17,221	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278	
MC	MC4	16,531	18,981	17,245	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308	
TC	TC1	17,205	15,170	17,403	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512	
TY	TY3	410	416	418	418	427	435	444	453	462	471	480	490	500	510	520	530	541	

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$: 2010 Fixed O&M \$/yr

	Month	Year	Equipment	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
BR	BR1	5	2014 PUFF/PAC	0	0	0	0	598,882	610,860	623,077	635,538	648,249	661,214	674,439	687,927	701,686	715,720	730,034	744,635	759,527	774,718	
BR	BR1	5	2014 SAM Mitigation	0	0	0	0	78,540	137,333	140,079	142,881	145,739	148,653	151,627	154,659	157,752	160,907	164,125	167,408	170,756	174,171	
BR	BR2	4	2014 PUFF/PAC	0	0	0	0	714,168	728,451	743,020	757,880	773,038	788,499	804,269	820,354	836,761	853,496	870,566	887,978	905,737	923,852	
BR	BR2	4	2014 SAM Mitigation	0	0	0	0	134,640	137,333	140,079	142,881	145,739	148,653	151,627	154,659	157,752	160,907	164,125	167,408	170,756	174,171	
BR	BR3	5	2015 PUFF/PAC	0	0	0	0	1,298,082	1,067,560	1,088,911	1,110,689	1,132,903	1,155,561	1,178,672	1,202,245	1,226,290	1,250,816	1,275,832	1,301,349	1,327,376	1,353,924	
GH	GH1	5	2014 PUFF/PAC	0	0	0	0	1,345,322	1,318,944	1,345,322	1,372,229	1,399,673	1,427,667	1,456,220	1,485,345	1,515,052	1,545,353	1,576,260	1,607,785	1,639,941	1,672,759	
GH	GH1	2	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH1	2	2013 SAM Mitigation	0	0	0	0	4,899	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH2	11	2014 PUFF/PAC	0	0	0	0	777,600	1,586,304	1,618,030	1,650,391	1,683,999	1,717,067	1,751,408	1,786,436	1,822,165	1,858,608	1,895,781	1,933,696	1,972,370	2,011,817	
GH	GH2	12	2012 Sorbent Injection	8,064	98,700	100,674	102,687	104,741	106,836	108,973	111,152	113,375	115,643	117,956	120,315	122,721	125,175	127,679	130,232	132,844	135,506	138,224
GH	GH3	10	2015 PUFF/PAC	0	0	0	0	652,436	1,330,969	1,357,589	1,384,741	1,412,435	1,440,684	1,469,498	1,498,888	1,528,865	1,559,443	1,590,632	1,622,444	1,654,893	1,687,500	
GH	GH3	11	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH3	2	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH4	12	2015 PUFF/PAC	0	0	0	0	631,870	1,289,014	1,314,795	1,341,091	1,367,912	1,395,271	1,423,176	1,451,640	1,480,672	1,510,286	1,540,491	1,571,301	1,602,727	1,634,770	
GH	GH4	3	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH4	2	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MC	MC1	5	2015 Combined 1&2 FGD	0	0	0	0	0	-238,642	-219,636	-200,250	-180,476	-160,306	-139,733	-119,749	-121,124	-123,546	-126,017	-128,537	-131,108	-133,730	
MC	MC1	5	2015 PUFF/PAC	0	0	0	0	1,446,222	1,475,147	1,504,650	1,534,743	1,565,438	1,596,746	1,628,681	1,661,255	1,694,480	1,728,370	1,762,937	1,798,196	1,834,160	1,870,847	
MC	MC1	4	2015 SAM Mitigation	0	0	0	0	22,100	38,643	39,416	40,204	41,008	41,828	42,665	43,518	44,388	45,276	46,182	47,105	48,047	49,007	
MC	MC2	4	2015 Combined 1&2 FGD	0	0	0	0	186,506	205,512	224,899	244,673	264,842	285,415	306,400	312,528	318,778	325,154	331,657	338,290	345,056	352,947	
MC	MC2	4	2015 PUFF/PAC	0	0	0	0	1,418,867	1,447,245	1,476,189	1,505,713	1,535,828	1,566,544	1,597,875	1,629,832	1,662,429	1,695,678	1,729,591	1,764,183	1,799,467	1,835,456	
MC	MC2	4	2015 SAM Mitigation	0	0	0	0	25,257	38,643	39,416	40,204	41,008	41,828	42,665	43,518	44,388	45,276	46,182	47,105	48,047	49,007	
MC	MC3	11	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MC	MC3	10	2015 PUFF/PAC	0	0	0	0	646,753	1,319,377	1,345,764	1,372,679	1,400,133	1,428,136	1,456,698	1,485,832	1,515,549	1,545,860	1,576,777	1,608,313	1,640,479	1,673,276	
MC	MC3	4	2013 SAM Mitigation	0	0	0	0	36,824	37,560	38,312	39,078	39,859	40,657	41,470	42,299	43,145	44,008	44,888	45,786	46,703	47,639	
MC	MC3	4	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MC	MC4	11	2014 FGD	0	0	0	0	743,376	1,516,487	1,546,817	1,577,754	1,609,309	1,641,495	1,674,325	1,707,811	1,741,967	1,776,807	1,812,343	1,848,590	1,885,562	1,923,273	
MC	MC4	11	2014 PUFF/PAC	0	0	0	0	3,095	37,885	38,643	39,416	40,204	41,008	41,828	42,665	43,518	44,388	45,276	46,182	47,105	48,047	
MC	MC4	11	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TC	TC1	11	2015 PUFF/PAC	0	0	0	0	493,761	1,007,273	1,027,418	1,047,966	1,068,926	1,090,304	1,112,110	1,134,353	1,157,040	1,180,180	1,203,784	1,227,860	1,252,417	1,277,456	
CR	CR4	1	2016 SCR	1,871,000	0	0	0	0	2,107,050	2,149,191	2,192,175	2,236,018	2,280,739	2,326,353	2,372,880	2,420,338	2,468,745	2,518,120	2,568,482	2,619,852	2,672,236	
CR	CR4	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CR	CR4	1	2016 PUFF	1,191,000	0	0	0	0	1,341,259	1,368,085	1,395,446	1,423,355	1,451,822	1,480,859	1,510,476	1,540,685	1,571,999	1,603,429	1,634,988	1,667,688	1,701,537	
CR	CR4	1	2016 SAM Mitigation	174,000	0	0	0	0	195,952	199,871	203,869	207,946	212,105	216,347	220,674	225,088	229,589	234,181	238,865	245,642	254,519	
CR	CR4	1	2016 PAC Injection	169,000	0	0	0	0	190,321	194,128	198,010	201,971	206,010	210,130	214,333	218,620	222,992	227,452	232,001	236,641	242,373	
CR	CR5	1	2016 SCR	1,993,000	0	0	0	0	2,244,442	2,289,331	2,335,117	2,381,819	2,429,456	2,478,045	2,527,606	2,578,158	2,629,721	2,682,316	2,735,962	2,790,681	2,846,484	
CR	CR5	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CR	CR5	1	2016 PUFF	1,251,000	0	0	0	0	1,408,829	1,437,006	1,465,746	1,495,061	1,524,962	1,555,461	1,586,570	1,618,302	1,650,668	1,683,681	1,717,355	1,751,702	1,786,737	
CR	CR5	1	2016 SAM Mitigation	177,000	0	0	0	0	199,331	203,317	207,384	211,531	215,762	220,077	224,479	228,968	233,548	238,219	242,983	247,843	252,799	
CR	CR5	1	2016 PAC Injection	172,000	0	0	0	0	193,700	197,574	201,525	205,556	209,667	213,860	218,138	222,500	226,950	231,489	236,119	240,842	245,659	
CR	CR6	1	2016 SCR	2,392,000	0	0	0	0	2,693,781	2,747,656	2,802,609	2,858,661	2,915,835	2,974,151	3,033,634	3,094,307	3,156,193	3,219,317	3,283,703	3,349,377	3,416,361	
CR	CR6	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CR	CR6	1	2016 PUFF	1,632,000	0	0	0	0	1,837,897	1,874,655	1,912,148	1,950,391	1,989,399	2,029,187	2,069,771	2,111,166	2,153,389	2,196,457	2,240,386	2,285,194	2,330,891	
CR	CR6	1	2016 SAM Mitigation	198,000	0	0	0	0	222,980	227,440	231,989	236,628	241,361	246,188	251,112	256,134	261,257	266,482	271,812	277,248	282,795	
CR	CR6	1	2016 PAC Injection	191,000	0	0	0	0	215,097	219,399	223,787	228,263	232,828	237,484	242,234	247,079	252,020	257,061	262,202	267,446	272,795	
GR	GR3	1	2016 SCR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GR	GR3	1	2016 CDS-HF	3,322,000	0	0	0	0	3,741,112	3,815,934	3,892,252	3,970,098	4,049,499	4,130,489	4,213,099	4,297,361	4,383,308	4,470,975	4,560,394	4,651,602	4,743,719	
GR	GR3	1	2016 PAC Injection	141,000	0	0	0	0	158,789	161,965	165,204	168,508	171,878	175,316	178,822	182,399	186,047	189,767	193,563	197,434	201,379	
GR	GR4	1	2016 SCR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GR	GR4	1	2016 CDS-HF	4,309,000	0	0	0	0	4,852,654	4,949,687	5,048,680	5,149,654	5,252,647	5,357,700	5,464,854	5,574,151	5,685,654	5,799,347	5,915,334	6,033,640	6,154,273	
GR	GR4	1	2016 PAC Injection	150,000	0	0	0	0	168,924	172,303	175,749	179,264	182,849	186,506	190,236	194,041	197,922	201,880	205,918	210,036	214,245	

Escalation Rate: 2% Year \$:

	Month	Year	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	2014	790,212	806,016	822,137	838,580	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,530	1,002,180
BR	BR1	2014	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	212,314	216,560	220,891	225,309	225,309
BR	BR2	2014	942,329	961,175	980,399	1,000,007	1,020,007	1,040,407	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101
BR	BR2	2014	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR3	2015	1,381,002	1,408,622	1,436,795	1,465,530	1,494,841	1,524,738	1,555,233	1,586,337	1,618,064	1,650,425	1,683,434	1,717,103	1,751,445
GH	GH1	2014	1,706,194	1,740,318	1,810,627	1,846,939	1,883,776	1,921,452	1,959,881	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867	2,163,867
GH	GH1	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH2	2014	2,052,054	2,093,095	2,134,957	2,177,656	2,221,209	2,265,633	2,310,946	2,357,165	2,404,308	2,452,394	2,501,442	2,551,471	2,602,500
GH	GH2	2014	132,837	135,944	138,204	140,968	143,787	146,663	149,596	152,540	155,640	158,738	161,928	165,166	168,470
GH	GH3	2015	1,687,991	1,721,751	1,756,186	1,791,310	1,827,136	1,863,678	1,900,952	1,938,971	1,977,751	2,017,306	2,057,652	2,098,805	2,140,781
GH	GH3	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH3	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4	2015	1,634,782	1,667,477	1,700,827	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299
GH	GH4	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	2015	-136,405	-139,193	-144,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994
MC	MC1	2015	1,870,843	1,908,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,831	2,280,547	2,326,158	2,372,681
MC	MC1	2015	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC2	2015	351,957	358,996	366,176	373,499	380,969	388,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366
MC	MC2	2015	1,835,456	1,872,165	1,909,608	1,947,801	1,986,757	2,026,492	2,067,022	2,108,362	2,150,529	2,193,540	2,237,411	2,282,159	2,327,802
MC	MC2	2015	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC3	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	2015	1,673,288	1,706,754	1,740,989	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,735	2,039,729	2,080,524	2,122,134
MC	MC3	2013	48,588	49,560	50,551	51,562	52,594	53,645	54,718	55,813	56,929	58,068	59,229	60,414	61,622
MC	MC3	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	2014	1,961,738	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958
MC	MC4	2014	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC4	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	2015	1,277,465	1,303,015	1,329,075	1,355,656	1,382,769	1,410,425	1,438,633	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135
CR	CR4	2016	2,672,249	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058
CR	CR4	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	2016	1,701,041	1,735,062	1,769,763	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332
CR	CR4	2016	248,515	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177
CR	CR4	2016	241,374	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,233	300,118	306,120
CR	CR5	2016	2,846,495	2,903,425	2,961,493	3,020,723	3,081,137	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044
CR	CR5	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	2016	1,786,736	1,822,471	1,858,920	1,896,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013
CR	CR5	2016	252,800	257,856	263,013	268,273	273,698	279,111	284,693	290,387	296,195	302,119	308,161	314,325	320,611
CR	CR5	2016	245,658	250,572	255,683	260,959	266,390	271,927	277,651	283,484	289,428	295,584	299,456	305,445	311,554
CR	CR6	2016	3,416,365	3,484,692	3,554,386	3,625,474	3,697,983	3,771,943	3,847,382	3,924,330	4,002,816	4,082,872	4,164,530	4,247,820	4,332,777
CR	CR6	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	2016	2,330,898	2,377,516	2,425,066	2,473,567	2,523,039	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142
CR	CR6	2016	282,793	288,449	294,218	300,102	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650
CR	CR6	2016	272,795	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970
GR	GR3	2016	4,744,634	4,839,527	4,936,317	5,035,044	5,135,744	5,238,459	5,343,229	5,450,093	5,559,095	5,670,277	5,783,682	5,899,356	6,017,343
GR	GR3	2016	201,383	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402
GR	GR4	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	2016	6,154,313	6,277,399	6,402,947	6,531,006	6,661,626	6,794,859	6,930,756	7,069,371	7,210,759	7,354,974	7,502,073	7,652,115	7,805,157
GR	GR4	2016	214,237	218,522	222,892	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BRL	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,061	2,147
BR	BR2	167	114	271	423	571	717	860	1,001	1,139	1,275	1,408	1,539	1,667	1,794	1,922	2,052	2,182	2,313	2,446	2,579	2,714	2,850	2,988	3,126	3,266	3,407	3,550
BR	BR3	416	285	675	1,053	1,423	1,786	2,143	2,493	2,838	3,176	3,508	3,834	4,153	4,469	4,789	5,111	5,435	5,762	6,092	6,425	6,761	7,100	7,442	7,787	8,136	8,488	8,843
CR	CR4	155	77	204	327	447	564	678	790	899	1,006	1,109	1,210	1,308	1,405	1,501	1,596	1,691	1,786	1,880	1,974	2,063	2,153	2,243	2,333	2,423	2,513	2,604
CR	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,239	2,337	2,434	2,531	2,628	2,725	2,823
CR	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,026	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,199	3,341	3,482	3,623	3,764	3,905	4,046
GH	GH1	475	510	1,206	1,884	2,548	3,200	3,843	4,477	5,101	5,717	6,322	6,918	7,504	8,080	8,653	9,231	9,814	10,402	10,995	11,594	12,198	12,809	13,425	14,048	14,676	15,311	15,953
GH	GH2	484	520	1,228	1,920	2,596	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,811	9,400	9,999	10,599	11,204	11,814	12,430	13,052	13,680	14,314	14,954	15,601	16,255
GH	GH3	480	516	1,218	1,904	2,575	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,744	9,328	9,917	10,511	11,111	11,716	12,327	12,944	13,567	14,196	14,831	15,472	16,121
GH	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,896	10,489	11,088	11,692	12,302	12,917	13,538	14,166	14,800	15,440	16,087
GR	GR3	68	39	96	151	205	258	309	360	410	458	506	553	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247
GR	GR4	95	55	134	211	286	360	432	503	572	640	707	772	836	899	962	1,026	1,089	1,153	1,217	1,282	1,347	1,412	1,477	1,543	1,609	1,675	1,742
MC	MCL1	308	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,592	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,277	9,651	10,027
MC	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,194	5,555	5,916	6,279	6,642	7,007	7,372	7,739	8,106	8,475	8,845	9,216	9,588	9,961
MC	MC3	391	398	989	1,565	2,128	2,680	3,222	3,755	4,278	4,792	5,296	5,790	6,274	6,747	7,211	7,685	8,156	8,628	9,102	9,576	10,052	10,530	11,009	11,489	11,971	12,455	12,940
MC	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,461	7,064	7,654	8,231	8,803	9,376	9,950	10,526	11,103	11,683	12,263	12,846	13,430	14,016	14,604	15,194	15,786
TC	TCL	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,286	3,431	3,577
TC	TC2	549	166	386	602	813	1,021	1,225	1,427	1,626	1,823	2,016	2,207	2,394	2,579	2,762	2,948	3,136	3,325	3,517	3,710	3,906	4,104	4,304	4,506	4,711	4,918	5,127
TY	TV3	71	94	233	368	499	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017

2.50% Capital Escalation Rate

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
2040 GH																													
2011 BR		468	629	480	595	565	538	513	489	464	440	415	391	367	350	341	332	323	315	306	297	288	279	271	262	253	244	235	
2012 BR																													
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2069 TY																													
2070 TY																													

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
	2021 TY			120																									
	2022 TY			175	165	157	149	141	134	127	120	113	106	99	93	90	87	84											
	2023 TY			123	179	169	161	152	145	138	130	123	116	108	101	96	93	89											
	2024 TY				126	184	174	165	156	149	141	134	126	119	111	104	106	101											
	2025 TY					129	188	178	169	160	152	145	137	129	122	114	106	101											
	2026 TY						132	183	182	173	164	156	148	140	133	125	117	109											
	2027 TY							136	198	187	177	168	160	152	144	136	128	120											
	2028 TY								139	203	192	182	172	164	156	148	139	131											
	2029 TY									208	196	186	177	168	160	151	143												
	2030 TY										213	201	191	181	172	164	155												
	2031 TY											218	206	196	186	177	168												
	2032 TY												224	212	201	190	181												
	2033 TY													229	217	206	195												
	2034 TY														235	222	211												
	2035 TY															241	228												
	2036 TY																247												
	2037 TY																	254											
	2038 TY																		261										
	2039 TY																			268									
	2040 TY																				274								

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	2,234	2,322	2,411	2,501	2,446	2,430	2,239	2,145	2,055	1,969	1,867	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,839	3,986	4,135	4,045	3,868	3,703	3,546	3,397	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR	BR3	416	9,202	9,564	9,930	10,300	10,076	9,656	9,223	8,833	8,463	8,109	7,689	7,289	6,910	6,553	6,218	5,906	5,607	5,312	5,021	4,733	4,450	4,171	3,897
CR	CR4	155	2,405	2,465	2,526	2,589	2,492	2,292	2,102	1,921	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR	CR5	268	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,082	1,893	1,713	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103	0
CR	CR6	140	3,723	3,816	3,912	4,009	3,858	3,549	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,350	1,143	965	792	623	459	301	148	0
GH	GH1	475	16,601	17,256	17,918	18,587	18,193	17,419	16,688	15,994	15,334	14,702	14,098	13,375	12,686	12,033	11,415	10,834	10,291	9,770	9,256	8,749	8,249	7,755	7,269
GH	GH2	484	16,915	17,583	18,257	18,939	18,537	17,749	17,004	16,297	15,624	14,981	14,365	13,628	12,927	12,261	11,631	11,039	10,486	9,956	9,432	8,915	8,405	7,902	7,407
GH	GH3	480	16,775	17,437	18,106	18,782	18,384	17,602	16,863	16,163	15,495	14,857	14,246	13,516	12,820	12,159	11,535	10,948	10,399	9,873	9,354	8,841	8,336	7,837	7,346
GH	GH4	479	16,741	17,401	18,069	18,743	18,346	17,565	16,828	16,129	15,463	14,826	14,217	13,488	12,793	12,134	11,511	10,925	10,378	9,853	9,334	8,823	8,318	7,821	7,331
GR	GR3	68	1,295	1,343	1,377	1,411	1,364	1,281	1,203	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373	331
GR	GR4	95	1,809	1,876	1,923	1,971	1,906	1,790	1,685	1,575	1,476	1,380	1,288	1,201	1,118	1,040	967	898	832	767	704	641	580	521	462
MC	MC1	303	10,278	10,535	10,798	11,068	10,698	10,020	9,375	8,758	8,166	7,598	7,053	6,531	6,033	5,559	5,110	4,687	4,290	3,910	3,558	3,217	2,817	2,468	2,128
MC	MC2	301	10,210	10,465	10,727	10,995	10,627	9,954	9,313	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,262	3,884	3,515	3,152	2,798	2,452	2,114
MC	MC3	391	13,263	13,595	13,933	14,283	13,805	12,991	12,097	11,301	10,538	9,805	9,102	8,428	7,785	7,174	6,595	6,048	5,536	5,046	4,565	4,095	3,635	3,185	2,746
MC	MC4	477	17,180	16,875	16,599	17,424	16,841	15,775	14,758	13,787	12,865	11,924	11,104	10,282	9,498	8,752	8,045	7,379	6,754	6,156	5,570	4,996	4,434	3,886	3,350
TC	TC1	383	3,725	3,875	4,026	4,180	4,093	3,927	3,771	3,623	3,483	3,349	3,222	3,101	2,986	2,878	2,777	2,652	2,536	2,425	2,315	2,206	2,099	1,993	1,888
TC	TC2	549	5,399	5,554	5,711	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,618	4,445	4,280	4,125	3,980	3,802	3,636	3,476	3,319	3,163	3,009	2,857	2,706
TY	TY	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749	646

2.50%

Table with columns: Station, Unit, Capacity, and years 2037-2059. Rows list various stations and their units, with corresponding capacity values for each year.

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	64	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY		182	266	252	238	226	216	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99	94
	2039 TY			187	273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106	101
	2040 TY				192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114	109

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
BR	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
BR	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
BR	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
CR	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
CR	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
CR6	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
GH	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
GH	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
TC	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR	Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
BR	Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
BR	Landfill O&M Savings		4,256	4,384	4,515	4,651									
CR	Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
CR	Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
CR6	Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
GH	Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
GH	Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
TC	Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
TC	Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	\$000	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BR1	101	0	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309
BR	BR2	167	0	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511
BR	BR3	416	0	0	0	0	2,279	3,060	2,897	2,749	2,616	2,486	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273
BR	CR4	155	0	0	0	0	980	1,562	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0
CR	CR5	168	0	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0
CR	CR6	240	0	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0
GH	GH1	475	0	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,035	1,008	982	955	928	901	875	848	821
GH	GH2	484	0	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,055	1,028	1,000	973	946	918	891	864	837
GH	GH3	480	0	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830
GH	GH4	479	0	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828
GR	GR3	68	0	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309
GR	GR4	95	0	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431
MC	MCL	303	0	0	0	0	1,215	1,774	1,682	1,598	1,521	1,449	1,380	1,311	1,242	1,173	1,103	1,034	965	915	882	850	818	786	754	722	690	658	626
MC	MCC	301	0	0	0	0	1,207	1,762	1,671	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622
MC	MCS	391	0	0	0	0	1,568	2,269	2,171	2,083	1,993	1,907	1,821	1,735	1,649	1,563	1,474	1,385	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808
MC	MCA	477	0	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986
TC	TCL	383	0	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441
TC	TC2	549	0	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632
TY	TY3	71	0	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309

BRWATER			0	0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094
CRWATER			0	0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,382	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	0	0	0	0
MCWATER			0	0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041
TCWATER			0	0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072
GHWATER			0	0	0	0	5,902	7,892	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315
GRWATER			0	0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,083	1,049	1,015	980	946	912	877	843	809	774	740

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	298	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	303	594	562	530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BRWATER	2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0	0
CRWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER	2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER	1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0	0	0
GRWATER	3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0	0	0
GRWATER	706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PIRA Gas and 2012 Coal Prices

Discount Rate: 6.71%

\$M	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
5000																								
REVENUE																								
	GH1		664																					
	GR1		-105																					
	MC4		718																					
	TCL		904																					
	GH4		1,005																					
	MCS		674																					
	GH2		1,002																					
	MCI-2		845																					

Breakeven Year

Must Op Thru

BR3	2019
BR1-2	2021
GH3	2020
GH1	2021
MC4	2023
TCL	2018
GH4	2018
MCS	2021
GH2	2018
MCI-2	2024

Discount Rate:

New Unit Capital and Production Cost

No Retirements

Retire TY	3,403,437	3,515,877	3,608,813	3,719,505	3,815,173	3,899,267	4,162,851
Retire TY and GR3	3,372,273	3,544,536	3,639,809	3,741,101	3,805,894	3,870,005	4,156,515
Retire TY GR3 and BR3	3,371,179	3,546,778	3,636,589	3,737,543	3,816,034	3,998,819	4,183,581
Retire TY GR3 and CR4	3,156,009	3,656,203	3,736,169	3,846,698	4,037,599	4,128,900	4,293,745
Retire TY GR3 CR4 and CR6	3,489,661	3,607,943	3,695,904	3,795,418	3,864,610	4,022,007	4,222,797
Retire TY GR3 CR6 and BR1-2	3,533,317	3,650,555	3,753,757	3,857,149	4,034,457	4,138,094	4,328,433
Retire TY GR3 and CR	3,582,971	3,700,710	3,842,255	3,946,707	4,148,924	4,217,777	4,424,158
Retire TY GR3 CR and GH3	3,597,854	3,767,336	3,862,767	3,974,574	4,131,247	4,211,995	4,406,688
Retire TY GR3 CR and GH1	3,765,983	3,898,859	3,995,184	4,106,715	4,273,958	4,408,067	4,596,716
Retire TY GR and CR	3,563,128	3,702,484	3,837,279	3,952,576	4,143,977	4,220,007	4,423,355
Retire TY GR CR and MC4	3,867,277	3,989,107	4,079,417	4,199,716	4,332,632	4,450,821	4,641,961
Retire TY GR CR and TCI	3,844,201	3,955,872	4,057,338	4,159,887	4,335,558	4,408,112	4,621,075
Retire TY GR CR and GH4	3,847,618	3,977,860	4,057,044	4,191,328	4,351,261	4,445,448	4,643,080
Retire TY GR CR and MC3	3,831,375	3,932,262	4,055,984	4,154,318	4,324,399	4,400,117	4,609,045
Retire TY GR CR and GH2	3,851,667	3,994,917	4,086,976	4,189,504	4,362,778	4,443,724	4,624,846
Retire TY GR CR and MC1-2	3,885,973	4,010,262	4,113,993	4,238,998	4,420,789	4,533,302	4,730,543
Retire TY GR CR and BR1-2	3,678,275	3,869,402	3,955,761	4,065,304	4,242,392	4,349,663	4,536,347
Retire TY GR CR BR1-2 and MC1-2	3,923,421	4,065,484	4,194,099	4,349,774	4,529,158	4,642,017	4,899,502

Production Cost

No Retirements

Retire TY	3,051,689	3,141,352	3,238,395	3,355,356	3,546,952	3,603,084	3,805,672
Retire TY and GR3	3,026,982	3,166,451	3,239,407	3,345,047	3,527,155	3,603,890	3,807,251
Retire TY GR3 and BR3	3,045,673	3,184,094	3,251,299	3,356,362	3,541,878	3,618,717	3,805,209
Retire TY GR3 and CR4	3,065,733	3,245,484	3,358,457	3,483,504	3,679,799	3,765,069	3,931,813
Retire TY GR3 CR4 and CR6	3,122,863	3,257,836	3,376,025	3,493,955	3,676,657	3,774,265	3,956,601
Retire TY GR3 CR and CR	3,197,847	3,341,382	3,477,908	3,576,087	3,769,312	3,840,233	4,055,849
Retire TY GR3 CR and GH1	3,215,852	3,457,594	3,583,036	3,706,236	3,880,003	4,009,212	4,200,990
Retire TY GR3 CR and GH3	3,272,507	3,443,517	3,571,081	3,688,688	3,875,771	3,969,056	4,131,805
Retire TY GR and CR	3,426,337	3,515,383	3,607,280	3,745,276	3,895,365	4,030,364	4,237,671
Retire TY GR CR and MC4	3,596,945	3,715,941	3,800,383	3,745,276	3,895,365	4,030,364	4,237,671
Retire TY GR CR and GH4	3,585,597	3,698,943	3,596,917	3,748,198	3,924,668	4,034,378	4,281,525
Retire TY GR CR and MC3	3,384,120	3,452,331	3,578,028	3,696,416	3,883,714	3,976,177	4,213,453
Retire TY GR CR and GH2	3,569,646	3,506,000	3,630,849	3,746,374	3,996,185	4,093,254	4,230,302
Retire TY GR CR and MC1-2	3,435,838	3,551,628	3,672,578	3,814,290	4,003,988	4,111,961	4,312,896
Retire TY GR CR and BR1-2	3,455,021	3,632,479	3,817,828	3,933,023	4,093,886	4,111,961	4,312,896
Retire TY GR CR BR1-2 and MC1-2	3,621,186	3,645,877	3,785,397	3,937,112	4,111,440	4,216,454	4,417,432

Production Cost Data

No Retirements

Retire TY	-22,707	25,099	1,013	-10,309	-19,797	806	1,579
Retire TY and GR3	14,691	17,603	11,892	11,315	14,723	14,827	-2,042
Retire TY GR3 and BR3	65,882	61,431	107,158	127,142	137,921	146,353	126,704
Retire TY GR3 and CR4	20,060	-3,865	33,905	45,362	46,589	42,284	71,522
Retire TY GR3 CR4 and CR6	59,130	77,148	90,822	92,231	88,190	113,263	89,870
Retire TY GR3 CR4 CR6 and BR1-2	74,984	83,546	101,882	101,882	82,133	92,655	65,970
Retire TY GR3 CR and CR	77,246	87,456	42,880	41,602	33,426	34,027	57,458
Retire TY GR3 CR and GH3	115,743	112,302	164,132	170,679	169,921	200,921	181,931
Retire TY GR3 CR and GH1	172,399	98,295	152,177	153,153	155,989	160,765	172,746
Retire TY GR and CR	-2,105	-2,126	54,027	46,400	54,283	34,173	35,987
Retire TY GR CR and MC4	228,332	172,417	134,348	165,319	131,000	187,791	186,624
Retire TY GR CR and TCI	198,941	132,775	117,451	120,029	130,508	141,709	158,409
Retire TY GR CR and GH4	167,993	155,777	123,983	166,242	160,303	192,515	193,490
Retire TY GR CR and MC3	146,115	109,465	106,097	114,460	119,349	133,714	146,379
Retire TY GR CR and GH2	171,642	162,894	153,917	164,418	171,820	190,781	175,256
Retire TY GR CR and MC1-2	227,894	208,462	199,646	232,334	239,224	269,498	257,849
Retire TY GR CR and BR1-2	97,017	109,313	44,896	51,067	54,321	78,497	56,477
Retire TY GR CR BR1-2 and MC1-2	197,165	193,398	267,569	304,089	292,754	355,494	305,908

New Unit Capital

No Retirements

Retire TY	351,748	374,525	371,419	364,149	368,221	366,183	357,179
Retire TY and GR3	343,291	378,087	400,402	396,054	376,699	365,115	349,264
Retire TY GR3 and BR3	327,506	362,724	385,284	381,161	374,156	369,102	376,372
Retire TY GR3 and CR4	409,454	392,719	377,732	365,194	357,690	361,831	361,832
Retire TY GR3 CR4 and CR6	428,929	427,255	406,700	391,694	376,143	381,006	346,066
Retire TY GR3 CR4 CR6 and BR1-2	409,454	392,719	377,732	365,194	357,690	361,831	361,832
Retire TY GR3 CR and CR	365,124	359,328	364,346	376,620	375,612	377,544	368,309
Retire TY GR3 CR and GH3	387,745	423,044	443,862	435,017	421,165	403,705	387,629
Retire TY GR3 CR and GH1	450,131	452,465	416,146	400,479	391,955	398,655	395,726

6/20/2011

Discount Rate:

2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 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 2051 2052 2053 2054 2055 2056 2057 2058

2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Unit Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Discount Rate:

2029 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

MTP Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

MTP Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 CR and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Water Capital

No Retirements

Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Water Capital Delta

No Retirements

Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total Capital

No Retirements

Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total Capital Delta

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

Existing Unit Faxed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and MC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

New Controls Faxed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

New Controls Faxed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

Total Revenue Requirements

No Retirements 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Station	Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BRL	0	238	3,127	7,278	12,005	13,775	12,123	11,534	10,939	10,472	9,946	9,420	8,894	8,368	7,842	7,315	7,099	7,099	6,908	6,716	6,525	6,333	6,141	5,950	5,758	5,566	5,375	
BR	BRL	0	0	0	231	521	550	522	497	474	452	429	407	384	362	339	324	311	307	289	289	282	274	266	257	249	241	232	
BR	BRICFP	0	252	3,379	7,865	13,414	13,865	13,156	12,514	11,931	11,357	10,783	10,210	9,636	9,062	8,488	8,095	7,881	7,668	7,455	7,242	7,028	6,815	6,602	6,388	6,175	5,962	5,749	
BR	BRCSAM	0	0	0	231	534	553	525	499	476	453	431	408	385	362	340	324	315	307	288	290	282	273	264	255	247	239	230	
BR	BRRFP	0	0	204	2,854	7,595	13,437	14,120	13,404	12,757	12,117	11,595	11,019	10,443	9,867	9,290	8,714	8,325	8,122	7,920	7,717	7,514	7,311	7,109	6,906	6,703	6,501	6,298	
BR	BRRFP	0	64	4,332	10,157	17,736	19,154	18,156	17,246	16,412	15,591	14,769	13,948	13,127	12,305	11,484	10,897	10,545	10,193	9,841	9,489	9,137	8,785	8,433	8,081	7,729	7,377	7,025	
BR	GHI	0	122	562	1,006	1,564	2,121	2,010	1,909	1,817	1,726	1,635	1,544	1,453	1,362	1,271	1,206	1,167	1,128	1,089	1,050	1,011	972	933	894	855	816	777	
BR	GHI	0	0	2,787	7,280	15,016	19,298	17,569	16,777	16,056	15,369	14,684	13,998	13,313	12,627	11,942	11,257	10,791	10,556	10,330	10,104	9,878	9,652	9,425	9,199	8,973	8,747	8,521	
BR	GHI	0	11	724	984	935	891	851	814	779	744	709	674	639	605	570	546	535	523	511	500	488	476	464	453	441	429	418	
BR	GHI	0	0	0	3,571	8,804	18,270	21,813	19,903	18,958	18,013	17,068	16,123	15,178	14,233	13,288	12,343	11,398	10,453	9,508	8,563	7,618	6,673	5,728	4,783	3,838	2,893	1,948	
BR	GHI	0	115	565	1,578	1,935	1,863	1,769	1,691	1,618	1,544	1,471	1,397	1,324	1,250	1,177	1,126	1,099	1,073	1,047	1,020	994	967	941	915	888	862	835	
BR	GHI	0	0	2,843	7,668	14,932	21,319	20,238	19,237	18,361	17,541	16,781	16,080	15,437	14,843	14,298	13,753	13,208	12,663	12,118	11,573	11,028	10,483	9,938	9,393	8,848	8,303	7,758	
BR	GHI	0	122	527	974	1,948	4,967	7,726	10,746	13,766	16,786	19,806	22,826	25,846	28,866	31,886	34,906	37,926	40,946	43,966	46,986	50,006	53,026	56,046	59,066	62,086	65,106	68,126	
BR	GHI	0	0	2,460	7,268	13,372	21,994	23,856	22,601	21,453	20,399	19,345	18,291	17,237	16,183	15,129	14,075	13,021	11,967	10,913	9,859	8,805	7,751	6,697	5,643	4,589	3,535	2,481	
BR	GHI	0	0	1,271	5,238	9,364	17,796	19,361	18,943	17,414	16,589	15,717	14,875	14,033	13,191	12,349	11,507	10,665	9,823	8,981	8,139	7,297	6,455	5,613	4,771	3,929	3,087	2,245	
BR	GHI	0	0	42	560	1,131	1,232	1,168	1,109	1,051	1,001	948	895	842	789	736	683	630	577	524	471	418	365	312	259	206	153	100	
BR	GHI	0	2,361	7,270	12,377	23,214	24,770	23,450	22,238	21,119	20,015	18,911	17,807	16,703	15,599	14,495	13,391	12,287	11,183	10,079	8,975	7,871	6,767	5,663	4,559	3,455	2,351	1,247	
BR	GHI	0	0	1,215	5,051	9,134	18,426	19,666	18,620	17,659	16,772	15,896	15,021	14,145	13,270	12,395	11,519	10,671	9,823	8,975	8,127	7,279	6,431	5,583	4,735	3,887	3,039	2,191	
BR	GHI	0	646	3,668	6,975	9,472	9,135	8,699	8,295	7,908	7,522	7,135	6,748	6,362	5,975	5,589	5,203	4,817	4,431	4,045	3,659	3,273	2,887	2,501	2,115	1,729	1,343	957	
BR	GHI	0	0	0	39	175	207	197	187	179	170	162	154	145	137	128	121	115	111	107	103	99	95	91	87	83	79	75	
BR	GHI	0	0	3,750	8,326	13,896	18,276	17,601	16,157	15,977	15,228	14,480	13,732	12,985	12,237	11,489	10,741	10,006	9,271	8,544	7,817	7,090	6,363	5,636	4,909	4,182	3,455	2,728	
BR	GHI	0	794	1,992	2,100	1,997	1,901	1,813	1,728	1,642	1,557	1,472	1,387	1,302	1,217	1,155	1,116	1,077	1,039	1,000	961	923	884	846	807	768	730	691	
BR	GHI	0	105	667	774	688	655	625	596	566	537	508	479	449	420	391	362	333	304	275	246	217	188	159	130	101	72	43	
BR	GHI	0	377	5,055	10,178	14,629	19,836	19,129	18,210	17,361	16,546	15,731	14,916	14,101	13,286	12,471	11,656	10,841	10,026	9,211	8,396	7,581	6,766	5,951	5,136	4,321	3,506	2,691	
BR	GHI	0	0	0	578	1,620	2,201	2,123	2,022	1,929	1,839	1,749	1,660	1,570	1,480	1,391	1,301	1,255	1,193	1,153	1,112	1,072	1,031	991	951	910	870	829	
BR	GHI	0	0	2,200	5,745	11,967	18,394	15,223	14,502	13,838	13,200	12,562	11,924	11,286	10,648	10,010	9,381	8,743	8,098	7,453	6,808	6,163	5,518	4,873	4,228	3,583	2,938	2,293	
BR	GHI	0	394	3,222	13,574	27,295	25,773	24,370	23,071	21,861	20,666	19,471	18,276	17,081	15,886	14,691	13,473	13,173	13,330	12,488	11,845	11,203	10,560	9,918	9,276	8,634	7,992	7,350	
BR	GHI	64	380	2,395	6,463	10,786	10,183	9,627	9,112	8,633	8,160	7,687	7,214	6,740	6,267	5,794	5,431	5,177	4,924	4,671	4,418	4,165	3,912	3,659	3,406	3,153	2,900	2,647	
BR	GHI	0	280	1,715	3,329	5,526	5,216	4,930	4,666	4,421	4,178	3,935	3,692	3,450	3,207	2,964	2,721	2,478	2,235	2,000	1,757	1,514	1,271	1,028	785	542	299	56	
BR	GHI	0	0	235	386	365	345	327	310	293	276	259	242	225	208	191	186	177	168	159	150	141	132	123	114	105	96	87	
BR	GHI	0	0	259	427	403	381	361	342	323	305	286	267	249	230	216	206	206	195	185	175	165	155	145	135	125	115	105	
BR	GHI	0	359	3,311	14,658	29,304	27,663	26,148	24,742	23,429	22,132	20,835	19,538	18,241	16,944	15,647	14,350	13,053	11,756	10,459	9,162	7,865	6,568	5,271	3,974	2,677	1,380	0	
BR	GHI	63	388	2,719	6,475	11,557	10,908	10,308	9,752	9,234	8,721	8,208	7,695	7,183	6,670	6,158	5,760	5,278	4,814	4,350	3,886	3,422	2,958	2,494	2,030	1,566	1,102	638	
BR	GHI	0	300	1,623	3,531	5,922	5,304	5,054	4,785	4,519	4,253	3,987	3,721	3,455	3,189	2,923	2,657	2,391	2,125	1,859	1,593	1,327	1,061	795	529	263	0	0	
BR	GHI	0	0	0	251	423	399	378	357	338	320	301	282	263	245	226	212	201	191	180	170	160	150	140	130	120	110	100	90
BR	GHI	0	386	3,887	18,407	35,115	33,170	31,385	29,739	28,213	26,706	25,199	23,692	22,185	20,678	19,171	18,033	17,265	16,496	15,727	14,958	14,190	13,421	12,653	11,885	11,117	10,349	9,581	
BR	GHI	79	1,294	4,201	8,457	14,206	15,414	12,689	12,019	11,389	10,767	10,175	9,563	8,951	8,339	7,727	7,266	6,956	6,646	6,337	6,027	5,717	5,408	5,098	4,788	4,479	4,169	3,859	
BR	GHI	0	394	2,364	4,540	7,252	6,848	6,477	6,136	5,819	5,507	5,194	4,882	4,569	4,257	3,944	3,709	3,551	3,393	3,235	3,077	2,919	2,761	2,602	2,444	2,286	2,128	1,970	
BR	GHI	0	0	0	352	558	527	499	473	448	424	401	377	353	329	305	287	275	262	250	238	226	213	201	189	177	165	153	
BR	GHI	0	0	0	391	619	585	553	525	498	471	445	418	391	365	338	318	305	291	278	264	250	237	223	210	196	183	169	156
BR	GHI	0	1,323	4,035	5,553	5,254	4,983	4,739	4,516	4,297	4,078	3,859	3,640	3,421	3,202	3,050	2,967	2,884	2,801	2,718	2,635	2,552	2,469	2,386	2,303	2,220	2,137	2,054	
BR	GHI	0	0	0	112	154	145	138	131	125	119	113	107	101	95	89	85	82	80	78	76	74	71	68	66	64	62	59	56
BR	GHI	0	1,885	5,750	8,517	8,050	7,626	7,237	6,881	6,529	6,177	5,825	5,473	5,122	4,770	4,515	4,356	4,198	4,040	3,882	3,723	3,565	3,407	3,248	3,090	2,932	2,773	2,615	
BR	GHI	0	0	0	160	235	223	211	200	190	181	171	161	151	142	132	125	121	116	112	108	103	99	94	90	86	81	77	72

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	5,183	4,991	4,800	4,608	4,417	4,225	4,033	3,842	3,650	3,458	3,267	1,327	0	0	0	0	0	0	0	0	0	0	0
BR	BR1	224	216	208	199	191	183	174	166	158	150	141	57	0	0	0	0	0	0	0	0	0	0	0
BR	BR2	5,535	5,322	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	1,180	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR2	222	213	205	196	187	179	170	162	153	145	47	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR3	6,095	5,893	5,690	5,487	5,284	5,082	4,879	4,676	4,474	4,271	4,068	3,865	3,663	3,460	1,405	0	0	0	0	0	0	0	0
GH	GH1	6,673	6,321	5,969	2,424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	738	699	661	268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH2	8,295	8,059	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,489	0	
GH	GH2	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	219	207	196	0	0	253	0
GH	GH3	9,669	9,372	9,075	8,777	8,480	8,183	7,886	7,588	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,912	4,614	4,316	4,018	0	0	0
GH	GH3	809	782	756	730	703	677	650	624	598	571	545	518	492	465	438	412	385	358	331	304	0	0	0
GH	GH4	8,900	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,706	5,416	5,125	4,835	0	0	0	0	0	0	0	0
GH	GH4	814	786	758	730	701	673	645	617	589	561	532	504	476	447	419	0	0	0	0	0	0	0	0
MC	MC1	8,313	7,850	7,388	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	6,754	6,377	2,590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	431	407	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	3,388	3,214	3,040	2,653	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	77	73	69	64	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	6,834	6,499	6,165	5,830	4,673	3,411	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	691	652	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	10,183	9,661	9,139	7,976	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	226	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	7,069	6,707	6,344	5,537	398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	789	748	708	618	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL1	6,171	5,897	5,623	5,349	5,075	4,801	4,186	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	2,050	1,967	1,884	1,800	1,717	1,634	1,550	1,467	1,384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	57	55	52	50	48	45	43	41	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	2,615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1	3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135		
BR	BR2	6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383		
BR	BR3	15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279		
CR	CR4	14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560		
CR	CR5	11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546		
CR	CR6	10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159		
GH	GH1	17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240		
GH	GH2	12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372		
GH	GH3	17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138		
GH	GH4	11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659		
GR	GR3	4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640		
GR	GR4	7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167		
MC	MC1	11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389		
MC	MC2	16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664		
MC	MC3	18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278		
MC	MC4	16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308		
TC	TC1	17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512		
TY	TY3	410	416	418	427	435	444	453	462	471	480	490	499	500	510	520	530	541	

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$: 2010
Fixed O&M \$/yr

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR BR1	5	0	0	0	598,882	610,860	623,077	635,538	648,249	661,214	674,439	687,927	701,686	715,720	730,034	744,635	759,527	774,718
BR BR1	5	0	0	0	78,540	137,533	140,079	142,881	145,739	148,653	151,627	154,659	157,752	160,907	164,125	167,408	170,756	174,171
BR BR2	4	0	0	0	714,168	728,451	743,020	757,880	773,038	788,499	804,269	820,354	836,761	853,496	870,566	887,978	905,737	923,852
BR BR3	4	0	0	0	134,640	137,333	140,079	142,881	145,739	148,653	151,627	154,659	157,752	160,907	164,125	167,408	170,756	174,171
BR BR3	5	0	0	0	1,295,082	1,318,944	1,345,322	1,372,229	1,399,673	1,427,667	1,456,220	1,485,345	1,515,052	1,545,353	1,576,260	1,607,785	1,639,941	1,672,739
GH GH1	5	0	0	0	4,899	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH1	2	0	0	0	4,899	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH2	11	0	0	0	777,600	1,618,030	1,650,391	1,683,999	1,717,067	1,751,408	1,786,436	1,822,165	1,858,608	1,895,781	1,933,696	1,972,370	2,011,817	
GH GH2	12	8,064	98,700	100,674	102,687	104,741	106,836	108,973	111,152	113,375	115,643	117,956	120,315	122,721	125,175	127,679	130,232	
GH GH3	10	0	0	0	652,436	1,330,969	1,357,589	1,384,741	1,412,435	1,440,684	1,469,498	1,498,888	1,528,865	1,559,443	1,590,632	1,622,444	1,654,893	
GH GH3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH4	12	0	0	0	651,870	1,289,014	1,314,795	1,341,091	1,367,912	1,395,271	1,423,176	1,451,640	1,480,672	1,510,286	1,540,491	1,571,301	1,602,727	
GH GH4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH GH4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC MC1	5	0	0	0	-238,642	-219,636	-200,250	-180,476	-160,306	-139,733	-118,749	-121,124	-123,546	-126,017	-128,537	-131,108	-133,730	
MC MC1	5	0	0	0	1,446,222	1,475,147	1,504,650	1,534,743	1,565,438	1,596,746	1,628,681	1,661,255	1,694,480	1,728,370	1,762,937	1,798,196	1,834,160	
MC MC1	5	0	0	0	22,100	38,643	39,416	40,204	41,008	41,828	42,665	43,518	44,388	45,276	46,182	47,105	48,047	
MC MC2	4	0	0	0	186,506	205,512	224,899	244,673	264,842	285,415	306,400	327,808	349,642	371,904	394,294	416,919	439,778	
MC MC2	4	0	0	0	1,418,867	1,447,245	1,476,189	1,505,713	1,535,828	1,566,544	1,597,875	1,629,832	1,662,429	1,695,678	1,729,591	1,764,183	1,799,467	
MC MC2	4	0	0	0	25,257	38,643	39,416	40,204	41,008	41,828	42,665	43,518	44,388	45,276	46,182	47,105	48,047	
MC MC3	11	0	0	0	646,753	1,319,377	1,345,764	1,372,679	1,400,133	1,428,136	1,456,698	1,485,832	1,515,549	1,545,860	1,576,777	1,608,313	1,640,479	
MC MC3	10	0	0	0	36,824	37,560	38,312	39,078	39,859	40,657	41,470	42,299	43,145	44,008	44,888	45,786	46,702	47,636
MC MC3	4	0	0	0	24,068	0	0	0	0	0	0	0	0	0	0	0	0	0
MC MC4	11	0	0	0	743,376	1,516,487	1,546,817	1,577,754	1,609,309	1,641,495	1,674,325	1,707,811	1,741,967	1,776,807	1,812,343	1,848,590	1,885,562	1,923,273
MC MC4	11	0	0	0	3,095	37,885	38,643	39,416	40,204	41,008	41,828	42,665	43,518	44,388	45,276	46,182	47,105	48,047
MC MC4	11	0	0	0	493,761	1,007,273	1,027,418	1,047,966	1,068,926	1,090,304	1,112,110	1,134,353	1,157,040	1,180,180	1,203,784	1,227,860	1,252,417	
MC MC4	1	1,871,000	0	0	0	2,107,050	2,149,191	2,192,175	2,236,018	2,280,739	2,326,353	2,372,880	2,420,338	2,468,745	2,518,120	2,568,482	2,619,852	
CR CR4	1	1,191,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR4	1	1,191,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR4	1	174,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR4	1	169,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR5	1	1,993,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR5	1	1,251,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR5	1	177,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR5	1	172,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR6	1	2,392,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR6	1	1,632,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR6	1	198,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR CR6	1	191,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR GR3	1	3,322,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR GR3	1	141,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR GR4	1	4,309,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR GR4	1	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Escalation Rate:	2%	Year \$:													
	Year	Equipment	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	5	790,212	805,016	822,137	838,560	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,550	1,002,180
BR	BR1	5	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR2	4	942,329	961,175	980,399	1,000,007	1,020,007	1,040,407	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101
BR	BR2	4	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR3	5	1,381,002	1,408,622	1,436,795	1,465,530	1,494,841	1,524,738	1,555,233	1,586,337	1,618,064	1,650,425	1,683,434	1,717,103	1,751,445
GH	GH1	5	1,706,194	1,740,318	1,775,124	1,810,627	1,846,839	1,883,776	1,921,452	1,959,891	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867
GH	GH1	5	204	204	204	204	204	204	204	204	204	204	204	204	204
GH	GH2	11	2,052,054	2,093,095	2,134,957	2,177,656	2,221,209	2,265,633	2,310,946	2,357,165	2,404,308	2,452,394	2,501,442	2,551,471	2,602,500
GH	GH2	12	132,837	135,494	138,204	140,968	143,787	146,663	149,596	152,588	155,640	158,753	161,928	165,166	168,470
GH	GH3	10	1,687,991	1,721,751	1,756,186	1,791,310	1,827,136	1,863,678	1,900,952	1,938,971	1,977,751	2,017,306	2,057,652	2,098,805	2,140,781
GH	GH3	11	204	204	204	204	204	204	204	204	204	204	204	204	204
GH	GH3	2	204	204	204	204	204	204	204	204	204	204	204	204	204
GH	GH4	12	1,634,782	1,667,477	1,700,927	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299
GH	GH4	3	204	204	204	204	204	204	204	204	204	204	204	204	204
GH	GH4	2	204	204	204	204	204	204	204	204	204	204	204	204	204
MC	MC1	5	-136,405	-139,133	-141,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994
MC	MC1	5	1,870,843	1,908,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,831	2,280,547	2,326,158	2,372,681
MC	MC1	5	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC2	4	351,957	358,996	366,176	373,499	380,969	388,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366
MC	MC2	4	1,835,456	1,872,165	1,909,608	1,947,801	1,986,757	2,026,492	2,067,022	2,108,362	2,150,529	2,193,540	2,237,411	2,282,159	2,327,802
MC	MC2	4	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC3	11	204	204	204	204	204	204	204	204	204	204	204	204	204
MC	MC3	10	1,673,288	1,706,754	1,740,889	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,729	2,039,793	2,080,524	2,122,434
MC	MC3	4	48,588	49,560	50,551	51,562	52,594	53,645	54,718	55,813	56,929	58,068	59,229	60,414	61,622
MC	MC3	4	204	204	204	204	204	204	204	204	204	204	204	204	204
MC	MC4	11	1,961,738	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958
MC	MC4	11	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
TC	TC1	11	1,277,465	1,303,015	1,329,075	1,355,656	1,382,769	1,410,425	1,438,633	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135
CR	CR4	1	2,672,249	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058
CR	CR4	1	204	204	204	204	204	204	204	204	204	204	204	204	204
CR	CR4	1	1,701,041	1,735,062	1,769,763	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332
CR	CR4	1	248,515	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177
CR	CR4	1	241,374	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,233	300,118	306,120
CR	CR5	1	2,846,495	2,903,425	2,961,493	3,020,723	3,081,137	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044
CR	CR5	1	204	204	204	204	204	204	204	204	204	204	204	204	204
CR	CR5	1	1,786,736	1,822,471	1,859,920	1,898,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013
CR	CR5	1	252,800	257,856	263,013	268,273	273,638	279,111	284,693	290,387	296,195	302,119	308,161	314,325	320,611
CR	CR5	1	245,658	250,572	255,583	260,695	265,909	271,227	276,651	282,184	287,828	293,584	299,456	305,445	311,554
CR	CR6	1	3,416,365	3,484,692	3,554,386	3,625,474	3,697,983	3,771,943	3,847,382	3,924,330	4,002,816	4,082,872	4,164,530	4,247,820	4,332,777
CR	CR6	1	204	204	204	204	204	204	204	204	204	204	204	204	204
GR	GR3	1	2,330,898	2,377,516	2,425,066	2,473,567	2,523,039	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142
GR	GR3	1	283,793	288,449	294,218	300,102	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650
GR	GR3	1	272,795	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970
GR	GR3	1	204	204	204	204	204	204	204	204	204	204	204	204	204
GR	GR3	1	4,744,634	4,839,527	4,936,317	5,035,044	5,135,744	5,238,459	5,343,229	5,450,093	5,559,095	5,670,277	5,783,682	5,899,356	6,017,343
GR	GR3	1	201,383	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402
GR	GR4	1	204	204	204	204	204	204	204	204	204	204	204	204	204
GR	GR4	1	6,154,313	6,277,399	6,402,947	6,531,006	6,661,626	6,794,859	6,930,756	7,069,371	7,210,759	7,354,974	7,502,073	7,652,115	7,805,157
GR	GR4	1	214,237	218,522	222,892	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036			
	2040 GR																														
	2041 BR	468	629	480	595	565	538	513	489	464	440	415	391	367	350	341	332	323	315	306	297	288	279	271	262	253	244	235			
	2042 BR				645	610	579	551	526	501	476	451	426	401	376	359	341	323	313	304	295	286	277	268	259	250	241	232			
	2043 BR		480		492	504	517	530	543	557	571	585	599	613	627	641	655	669	683	697	711	725	739	753	767	781	795	809			
	2044 BR																														
	2045 BR																														
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	2061 GR	94	134	96	137	120	114	108	103	98	92	87	81	76	72	70	68	65	63	61	58	56	54	52	49	47	45	42			
	2062 GR				137	130	123	117	111	106	100	95	89	83	78	74	72	69	67	65	62	60	58	55	53	51	48	46			
	2063 GR				98	141	133	126	120	114	108	103	97	91	86	80	76	73	71	69	66	64	61	59	57	54	52	49	46		
	2064 GR					101	144	136	129	123	117	111	105	99	94	88	82	78	75	73	70	68	65	63	61	58	56	53	50		
	2065 GR						103	148	140	132	126	120	114	108	102	96	90	84	80	77	75	72	70	67	65	62	60	57	54		
	2066 GR																														
	2067 GR																														
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	2091 TY	94	137	96	140	122	116	111	105	99	94	88	83	77	73	71	68	66	63	61	58	56	53	51	48	46	43	41			
	2092 TY				98	143	136	129	123	116	110	104	99	93	87	81	77	74	71	69	66	64	61	59	56	53	51	48	44		
	2093 TY					101	147	139	132	125	119	113	107	101	95	89	83	79	76	73	71	68	65	63	60	57	55	52	48	44	
	2094 TY						103	151	143	135	128	122	116	110	104	97	91	85	81	78	75	72	70	67	64	61	59	56	52	48	
	2095 TY																														
	2096 TY																														
	2097 TY																														
	2098 TY																														
	2099 TY																														
	2100 TY																														

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
	2021 TY			120																										
	2022 TY			123																										
	2023 TY			179	169	161	152	145	138	130	123	116	108	101	96	93	89													
	2024 TY			184	174	165	156	149	141	134	126	119	111	104	98	95														
	2025 TY			129	129	188	178	169	160	152	145	137	129	122	114	106	101													
	2026 TY				132		193	182	173	164	156	148	140	133	125	117	109													
	2027 TY						136	198	187	177	168	160	152	144	136	128	120													
	2028 TY							139	203	192	182	172	164	156	148	139	131													
	2029 TY								143	208	196	186	177	168	160	151	143													
	2030 TY									146	206	196	186	177	168	160	155													
	2031 TY										150	213	201	191	181	172	164													
	2032 TY											154	218	206	196	186	177													
	2033 TY												157	229	217	206	195													
	2034 TY													161	229	217	206													
	2035 TY														165	235	222													
	2036 TY															169	241													
	2037 TY																174													
	2038 TY																													
	2039 TY																													
	2040 TY																													

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR1	BR1	101	2,234	2,372	2,411	2,501	2,446	2,340	2,239	2,145	2,055	1,969	1,867	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR2	BR2	167	3,694	3,839	3,986	4,135	4,045	3,868	3,703	3,546	3,397	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR3	BR3	416	9,202	9,564	9,930	10,300	10,075	9,636	9,223	8,833	8,463	8,109	7,689	7,289	6,910	6,553	6,218	5,906	5,607	5,312	5,021	4,733	4,450	4,171	3,897
CR4	CR4	155	2,405	2,465	2,526	2,589	2,492	2,292	2,102	1,921	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR5	CR5	168	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,082	1,893	1,713	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103	0
CR6	CR6	240	3,723	3,816	3,912	4,009	3,858	3,549	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	623	459	301	148	0
GH1	GH1	475	16,601	17,563	18,518	18,587	18,193	17,419	16,688	15,994	15,334	14,702	14,098	13,375	12,686	12,033	11,415	10,834	10,291	9,770	9,256	8,749	8,249	7,755	7,269
GH2	GH2	484	16,915	17,875	18,827	18,939	18,537	17,749	17,004	16,297	15,624	14,981	14,365	13,678	12,927	12,261	11,631	11,039	10,486	9,956	9,432	8,915	8,405	7,902	7,407
GH3	GH3	480	16,775	17,437	18,106	18,782	18,384	17,602	16,863	16,163	15,495	14,857	14,246	13,516	12,820	12,159	11,535	10,948	10,399	9,873	9,354	8,841	8,336	7,837	7,346
GH4	GH4	479	16,741	17,401	18,069	18,743	18,346	17,565	16,828	16,129	15,463	14,826	14,217	13,488	12,793	12,134	11,511	10,925	10,378	9,853	9,334	8,823	8,318	7,821	7,331
GR3	GR3	68	1,295	1,343	1,377	1,411	1,364	1,281	1,203	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373	331
GR4	GR4	95	1,809	1,876	1,923	1,971	1,906	1,790	1,680	1,575	1,476	1,380	1,288	1,201	1,118	1,040	967	898	832	767	704	641	580	521	462
MC1	MC1	303	10,278	10,535	10,798	11,068	10,698	10,020	9,375	8,758	8,166	7,598	7,053	6,531	6,033	5,559	5,110	4,687	4,290	3,910	3,538	3,173	2,817	2,468	2,128
MC2	MC2	301	10,210	10,465	10,721	10,995	10,627	9,951	9,313	8,700	8,112	7,548	7,007	6,488	5,993	5,507	5,077	4,656	4,262	3,884	3,515	3,152	2,798	2,452	2,114
MC3	MC3	391	13,263	13,595	13,934	14,283	13,805	12,931	12,097	11,301	10,538	9,805	9,102	8,428	7,785	7,174	6,595	6,048	5,536	5,046	4,565	4,095	3,635	3,185	2,746
MC4	MC4	477	16,180	16,585	16,999	17,424	16,841	15,775	14,758	13,787	12,856	11,962	11,104	10,282	9,498	8,752	8,045	7,379	6,754	6,156	5,570	4,986	4,434	3,886	3,350
TC1	TC1	383	3,725	3,875	4,026	4,180	4,093	3,927	3,771	3,623	3,483	3,349	3,222	3,101	2,986	2,878	2,777	2,652	2,536	2,425	2,315	2,206	2,099	1,993	1,888
TC2	TC2	549	5,339	5,554	5,771	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,618	4,445	4,280	4,125	3,980	3,802	3,636	3,476	3,319	3,163	3,009	2,857	2,706
TY	TY	71	3,082	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749	646

2.50%

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2029	MC		2389	2356	2323	2290	2257	2224	2191	2158	2125	2092	2059	2026	1993	1960	1927	1894	1861	1828	1795	1762	1729	1696	1663
2030	MC		2586	2553	2520	2487	2454	2421	2388	2355	2322	2289	2256	2223	2190	2157	2124	2091	2058	2025	1992	1959	1926	1893	1860
2031	MC		2790	2757	2724	2691	2658	2625	2592	2559	2526	2493	2460	2427	2394	2361	2328	2295	2262	2229	2196	2163	2130	2097	2064
2032	MC		3003	2970	2937	2904	2871	2838	2805	2772	2739	2706	2673	2640	2607	2574	2541	2508	2475	2442	2409	2376	2343	2310	2277
2033	MC		3031	3007	2983	2959	2935	2911	2887	2863	2839	2815	2791	2767	2743	2719	2695	2671	2647	2623	2599	2575	2551	2527	2503
2034	MC		3480	3456	3432	3408	3384	3360	3336	3312	3288	3264	3240	3216	3192	3168	3144	3120	3096	3072	3048	3024	3000	2976	2952
2035	MC		3754	3730	3706	3682	3658	3634	3610	3586	3562	3538	3514	3490	3466	3442	3418	3394	3370	3346	3322	3298	3274	3250	3226
2036	MC		4057	4033	4009	3985	3961	3937	3913	3889	3865	3841	3817	3793	3769	3745	3721	3697	3673	3649	3625	3601	3577	3553	3529
2037	MC		2848	2824	2800	2776	2752	2728	2704	2680	2656	2632	2608	2584	2560	2536	2512	2488	2464	2440	2416	2392	2368	2344	2320
2038	MC																								
2039	MC																								
2040	MC																								
2041	TC		142	138	133	128	124	119	114	109	105	100	96	91	87	82	77	0	0	0	0	0	0	0	0
2042	TC		151	146	141	136	132	127	122	117	113	108	103	98	94	89	84	79	0	0	0	0	0	0	0
2043	TC		159	154	149	145	140	135	130	125	120	115	111	106	101	96	91	86	81	0	0	0	0	0	0
2044	TC		168	163	158	153	148	143	138	133	128	123	118	113	108	103	98	93	88	83	0	0	0	0	0
2045	TC		178	173	168	163	158	153	148	143	138	133	128	123	118	113	108	103	98	93	88	0	0	0	0
2046	TC		187	182	177	172	167	162	157	152	147	142	137	132	127	122	117	112	107	102	97	92	87	82	77
2047	TC		197	192	187	182	177	172	167	162	157	152	147	142	137	132	127	122	117	112	107	102	97	92	87
2048	TC		208	202	197	191	186	180	175	169	164	158	153	147	142	136	131	125	120	114	109	103	98	92	86
2049	TC		219	213	207	202	196	190	185	179	173	168	162	156	151	145	139	133	128	123	117	111	106	100	94
2050	TC		230	224	218	212	207	201	195	189	183	178	172	166	160	155	149	143	137	131	126	120	114	108	102
2051	TC		241	236	230	224	218	212	206	200	194	188	182	176	170	164	158	152	147	141	135	129	123	117	111
2052	TC		254	248	242	236	230	224	218	212	206	200	194	188	182	176	170	164	158	152	146	140	134	128	122
2053	TC		266	260	254	247	241	235	229	223	216	210	204	198	191	185	179	173	166	160	154	148	141	135	129
2054	TC		279	273	266	260	254	247	241	234	228	222	215	209	203	196	190	183	177	171	164	158	151	145	139
2055	TC		289	286	280	273	267	260	253	247	240	234	227	221	214	208	201	194	188	181	175	168	162	155	149
2056	TC		325	306	293	287	280	273	266	260	253	246	240	233	226	219	213	206	199	193	186	179	173	166	159
2057	TC		353	334	314	301	294	287	280	273	266	259	253	246	239	232	225	218	211	204	197	191	184	177	170
2058	TC		382	362	342	322	308	301	294	287	280	273	266	259	252	245	238	231	224	217	210	203	195	188	181
2059	TC		412	392	371	350	330	316	309	302	294	287	280	273	265	258	251	244	236	229	222	215	207	200	193
2060	TC		444	403	380	359	338	324	316	309	302	294	287	279	272	265	257	250	242	235	227	220	213	205	205
2061	TC		476	455	433	411	390	368	347	332	324	317	309	302	294	286	279	271	264	256	248	241	233	226	218
2062	TC		511	488	466	444	422	400	377	352	340	332	325	317	309	301	293	286	278	270	262	255	247	239	231
2063	TC		547	523	501	478	455	432	410	387	364	349	341	333	325	317	309	301	293	285	277	269	261	253	245
2064	TC		588	561	536	513	490	466	443	420	396	373	357	349	341	333	325	317	308	300	292	284	276	267	259
2065	TC		632	602	575	550	526	502	478	454	430	406	382	366	358	350	341	333	324	316	308	299	291	283	274
2066	TC		662	632	604	579	554	529	505	481	457	433	409	385	369	358	349	341	333	324	315	307	298	290	282
2067	TC		699	669	641	616	591	566	542	518	494	470	446	422	400	376	352	328	304	280	256	232	208	184	160
2068	TC		547																						
2069	TC																								
2070	TC																								
2071	GH		1007	969	931	875	753	715	681	650	622	595	568	541	514	487	460	433	414	405	396	386	377	367	358
2072	GH		1070	1032	993	954	877	818	780	742	704	667	629	592	554	516	478	440	402	364	326	288	250	212	174
2073	GH		1137	1097	1058	1018	978	939	899	859	819	780	740	700	661	621	581	541	501	461	421	381	341	301	261
2074	GH		1206	1165	1125	1084	1043	1003	962	921	881	840	799	759	718	677	636	595	554	513	472	431	390	349	308
2075	GH		1278	1236	1194	1153	1111	1069	1028	986	944	903	861	819	778	736	694	652	610	568	526	484	442	400	358
2076	GH		1353	1310	1267	1224	1182	1139	1096	1053	1011	968	925	882	840	797	754	712	670	627	584	541	498	455	412
2077	GH		1430	1386	1343	1299	1255	1211	1167	1124	1080	1036	992	948	905	861	817	773	729	685	641	597	553	509	465
2078	GH		1511	1466	1421	1376	1331	1286	1241	1197	1152	1107	1062	1017	972	927	882	837	792	748	703	658	613	568	523
2079	GH		1595	1549	1503	1457	1410	1364	1318	1272	1226	1180	1134	1088	1042	996	950	904	858	812	766	720	674	628	582
2080	GH		1682	1634	1587	1540	1493	1446	1399	1351	1304	1257	1210	1163	1116	1068	1021	974	927	880	833	785	737	690	643
2081	GH		1772	1724	1675	1627	1579	1530	1482	1434	1385	1337	1289	1240	1192	1143	1095	1047	998	950	902	854	805	757	709
2082	GH		1866	1816	1767	1717	1668	1618	1569	1519	1469	1420	1370	1321	1271	1222	1172	1123	1073	1023	974	924	875	825	775
2083	GH		1963	1912	1862	1811	1760	1709	1659	1608	1557	1506	1455	1404	1353	1302	1251	1201	1151	1100	1049	998	947	897	846
2084	GH		2064	2012	1960	1908	1856	1804	1752	1700	1648	1596	1544	1492	1440	1388	1336	1283	1231	1179	1127	1075	1023	971	919
2085	GH		2174	2121	2068	2015	1962	1909	1856	1803	1750	1697	1644	1591	1538	1485	1432	1379	1326	1273	1220	1167	1114	1061	1008
2086	GH		2295	2242	2189	2136	2083	2030	1977	1924	1871	1818	1765	1712	1659	1606	1553	1500	1447	1394	1341	1288	1235	1182	1129
2087	GH		2428	2375	2322	2269	2216	2163	2110	2057	2004	1951	1898	1845	1792	1739	1686	1633	1580	1527	1474	1421	1368	1315	1262
2088	GH																								

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059		
	2040 GR																										
	2011 BR		226	218	209	200	191	182	173	165	156	147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2012 BR		241	232	223	214	205	196	187	178	169	160	151	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2013 BR		256	247	238	229	219	210	201	191	182	173	164	154	0	0	0	0	0	0	0	0	0	0	0	0	
	2014 BR		272	263	253	244	234	225	215	206	196	187	177	168	158	0	0	0	0	0	0	0	0	0	0	0	
	2015 BR		289	279	269	260	250	240	230	221	211	201	191	182	172	162	0	0	0	0	0	0	0	0	0	0	
	2016 BR		306	296	286	276	266	256	246	236	226	216	206	196	186	176	166	0	0	0	0	0	0	0	0	0	
	2017 BR		324	314	303	293	283	273	263	252	242	232	222	211	201	191	181	170	0	0	0	0	0	0	0	0	
	2018 BR		343	332	322	311	301	290	280	269	259	248	238	227	217	206	196	185	175	0	0	0	0	0	0	0	
	2019 BR		362	351	340	330	319	308	297	287	276	265	254	244	233	222	211	201	190	179	0	0	0	0	0	0	
	2020 BR		382	371	360	349	338	327	316	305	294	283	272	261	250	239	228	217	206	195	183	0	0	0	0	0	
	2021 BR		403	391	380	369	358	346	335	324	312	301	290	278	267	256	245	233	222	211	199	188	0	0	0	0	
	2022 BR		424	413	401	390	378	367	355	343	332	320	309	297	285	274	262	251	239	228	216	204	193	0	0	0	
	2023 BR		447	435	423	411	399	388	376	364	352	340	328	316	304	293	281	269	257	245	233	221	209	198	0	0	
	2024 BR		470	458	446	434	422	409	397	385	373	361	349	336	324	312	300	288	276	263	251	239	227	215	203	203	
	2025 BR		495	482	470	457	445	432	420	407	395	382	370	357	345	332	320	307	295	282	270	257	245	233	220	218	
	2026 BR		531	507	494	481	469	456	443	430	417	405	392	379	366	353	341	328	315	302	290	277	264	251	238	238	
	2027 BR		580	544	520	506	493	480	467	454	441	428	415	402	388	375	362	349	336	323	310	297	284	271	257	257	
	2028 BR		632	595	558	533	519	506	492	479	465	452	438	425	412	398	385	371	358	344	331	318	304	291	277	277	
	2029 BR		686	648	610	572	546	532	518	505	491	477	463	449	436	422	408	394	381	367	353	339	326	312	298	298	
	2030 BR		742	703	664	625	586	559	545	531	517	503	489	475	461	447	432	418	404	390	376	362	348	334	320	320	
	2031 BR		801	761	721	681	641	601	573	559	545	530	516	501	487	472	458	443	429	414	400	385	371	356	342	342	
	2032 BR		862	821	780	739	698	657	616	588	573	558	543	529	514	499	484	469	454	440	425	410	395	380	365	365	
	2033 BR		926	883	841	799	757	715	673	631	603	587	572	557	542	527	511	496	481	466	451	435	420	405	390	390	
	2034 BR		997	949	905	862	819	776	733	690	647	604	586	571	555	540	524	509	493	477	462	446	431	415	400	400	
	2035 BR		1,077	1,022	973	928	884	840	795	751	707	663	633	617	601	585	569	553	537	521	505	489	473	457	441	441	
	2036 BR		1,166	1,104	1,048	997	951	906	861	815	770	725	680	649	632	616	600	583	567	551	534	518	502	485	469	469	
	2037 BR		1,255	1,193	1,137	1,074	1,022	975	928	882	836	789	743	697	665	648	632	615	598	581	564	548	531	514	497	497	
	2038 BR		1,344	1,282	1,226	1,163	1,101	1,047	999	952	904	857	809	762	730	714	698	682	664	647	630	613	596	579	561	544	544
	2039 BR		1,433	1,371	1,315	1,252	1,189	1,128	1,074	1,024	975	927	878	829	781	732	699	681	663	646	628	611	593	575	558	541	541
	2040 BR		1,522	1,460	1,404	1,341	1,278	1,218	1,156	1,100	1,050	1,000	950	900	850	800	750	716	698	680	662	644	626	608	590	572	572
	2041 GR																										
	2042 GR		40	36	32	28	24	20	16	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2043 GR		44	41	39	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2044 GR		47	45	42	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2045 GR		51	48	46	43	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2046 GR		54	52	49	47	44	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2047 GR		58	56	53	51	48	45	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2048 GR		63	60	57	55	52	49	47	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2049 GR		67	64	61	59	56	53	50	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2050 GR		71	68	66	63	60	57	55	52	49	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2051 GR		76	73	70	67	64	62	59	56	53	50	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2052 GR		81	78	75	72	69	66	63	60	57	54	51	48	0	0	0	0	0	0	0	0	0	0	0	0	0
	2053 GR		86	83	80	77	74	71	68	65	62	59	56	53	50	0	0	0	0	0	0	0	0	0	0	0	0
	2054 GR		91	88	85	82	79	76	72	69	66	63	60	57	54	51	0	0	0	0	0	0	0	0	0	0	0
	2055 GR		96	93	90	87	84	81	77	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0
	2056 GR		102	99	96	92	89	86	83	79	76	73	70	66	63	60	57	54	0	0	0	0	0	0	0	0	0
	2057 GR		110	105	101	98	95	91	88	85	81	78	75	71	68	65	61	58	55	0	0	0	0	0	0	0	0
	2058 GR		121	113	107	104	100	97	94	90	87	83	80	77	73	70	66	63	60	56	0	0	0	0	0	0	0
	2059 GR		132	124	116	110	105	103	99	96	92	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0
	2060 GR		144	135	127	119	113	109	105	102	98	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0
	2061 GR		156	148	139	130	122	115	112	108	104	101	97	93	90	86	83	79	75	72	68	64	61	0	0	0	0
	2062 GR		169	160	151	142	133	125	118	115	111	107	103	100	96	92	88	85	81	77	73	70	66	62	0	0	0
	2063 GR		182	173	164	155	146	137	128	121	117	114	110	106	102	98	94	91	87	83	79	75	71	67	64	64	
	2064 GR		196	187	177	168	159	150	140	131	124	120	116	113	109	105	101	97	93	89	85	81	77	73	69	69	
	2065 GR		212	201	191	182	172	163	153	144	134	127	123	119	115	111	107	103	99	95	91	87	83	79	75	75	
	2066 GR		229	217	206	196	186	177	167	157	147	138	131	126	122	118	114	110	106	102	98	93	89	85	81	81	
	2067 GR		248	235	222	211	201	191	181	171	161	151	141	134	130	125	121	117	113	108	104	100	96	91	87	87	
	2068 GR		261	248	235	224	217	206	196	186	175	165	155	145	137	133	129	124	120	115	111	107	102	98	94	94	
	2069 GR		278	264	251	246	234	222	211	201	190	180	169	159	148	141	136	132	127	123	118	114	109	105	101	101	
	2070 GR		295	281	268	267	253	239	228	217	206	195	1														

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY			182	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99
	2039 TY				187	273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106
	2040 TY					192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319	
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180	
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431	
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810	
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962	
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960	
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439	
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732	
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602	
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569	
GR	GR3	68																		
GR	GR4	95																		
MC	MC1	303																		
MC	MC2	301																		
MC	MC3	391																		
MC	MC4	477																		
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596	
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721	
TY	TY3	71																		
BR	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372	
BR	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426	
BR	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132	
CR	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513	
CR	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061	
CR6	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158	
GH	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397	
GH	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944	
TC	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TC	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318	

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR	BR Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
BR	BR Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
CR	CR Landfill O&M Savings		4,256	4,384	4,515	4,651									
CR	CR Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
CR	CR Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
CR	CR6 Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
GH	GH Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
GH	GH Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
TC	TC Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
TC	TC Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BR1	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309
BR	BR2	167	0	0	0	915	1,228	1,104	1,050	1,002	954	907	859	811	764	716	684	654	626	600	574	548	522	496	470	444	418	392
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273
CR	CR4	355	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	555	519	483	447
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	601	562	523	484
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	860	805	750	695
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,005	1,008	982	955	928	901	875	848	821
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,025	1,028	1,000	973	946	918	891	864	837
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828
GR	GR5	88	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431
MC	MC1	303	0	0	0	1,215	1,774	1,682	1,598	1,521	1,449	1,380	1,311	1,242	1,173	1,103	1,034	965	915	882	850	818	786	754	722	690	658	626
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808
MC	MC4	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986
TC	TC1	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632
TV	TV3	71	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094
CRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	2,016	1,886	1,756	1,626
MCWATER			0	0	0	5,802	8,617	8,173	7,765	7,389	7,040	6,704	6,388	6,082	5,786	5,501	5,225	4,959	4,702	4,454	4,214	3,976	3,740	3,504	3,268	3,032	2,796	2,560
TCWATER			0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,257	1,226	1,195	1,164	1,133	1,102	1,071
GHWATER			0	0	0	5,902	7,892	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,532	3,424	3,316
GRWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,083	1,049	1,015	980	946	912	877	843	809	774	740

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	303	594	562	530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BRWATER	2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0	0
CRWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER	2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER	1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0	0	0
GRWATER	3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	1,693	1,585	1,477	1,369	1,261	1,153	0	0	0	0	0
GRWATER	706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Discount Rate:

Table with columns: SM, NEVBR, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include Retire TY GR3 and GR4, Retire TY GR4 and GR5, Retire TY GR5 and GR6, etc.

Production Cost

Table with columns: No Retirements, Retire TY GR3 and GR4, Retire TY GR4 and GR5, Retire TY GR5 and GR6, etc. This table continues the data from the previous table, showing production costs for various retirement scenarios.

New Unit Capital and Production Cost

Table with columns: No Retirements, Retire TY GR3 and GR4, Retire TY GR4 and GR5, Retire TY GR5 and GR6, etc. This table shows the capital and production costs for new units under different retirement scenarios.

Production Cost Details

Table with columns: No Retirements, Retire TY GR3 and GR4, Retire TY GR4 and GR5, Retire TY GR5 and GR6, etc. This table provides a detailed breakdown of production costs for the retirement scenarios.

New Unit Capital

Table with columns: No Retirements, Retire TY GR3 and GR4, Retire TY GR4 and GR5, Retire TY GR5 and GR6, etc. This table shows the capital costs for new units under different retirement scenarios.

Discount Rate: 6.71%

WoodMac Coal and Gas Prices

MTPL Capital	SM	NEUR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
No Retirements																									
Retire TY	883	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3	866	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 and BR3	860	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 and CR4	813	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 and CR4 and CR6	846	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 CR4 and BR1-2	874	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 CR4 and CR	809	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 CR and GH3	724	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 CR and GH1	725	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 CR and CR	800	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 CR and MCA	715	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR3 CR and TCI	781	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR CR and MCA	715	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR CR and GH4	731	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR CR and MCA	731	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR CR and GH3	744	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR CR and MCA	693	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR CR and BR1-2	770	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR CR and BR1-2 and MCL-2	663	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,682	128,381	134,099	139,831
Retire TY GR BR1-2 and MCL-2																									
Landfill Capital																									
No Retirements																									
Retire TY	-16	0	0	0	0	0	0	-754	-878	-999	-1,118	-1,234	-1,347	-1,458	-1,568	-1,677	-1,787	-1,898	-2,008	-2,119	-2,230	-2,341	-2,453	-2,565	-2,678
Retire TY GR3	-7	0	0	0	0	0	0	-309	-360	-410	-458	-506	-553	-598	-643	-689	-734	-780	-825	-871	-918	-964	-1,011	-1,057	-1,104
Retire TY GR3 and BR3	-47	0	0	0	0	0	0	-2,143	-2,493	-2,838	-3,176	-3,508	-3,834	-4,153	-4,469	-4,789	-5,111	-5,435	-5,762	-6,092	-6,425	-6,761	-7,100	-7,442	-7,787
Retire TY GR3 and CR4	-14	0	0	0	0	0	0	-678	-790	-899	-1,006	-1,109	-1,210	-1,308	-1,405	-1,501	-1,596	-1,691	-1,786	-1,880	-1,974	-2,073	-2,175	-2,278	-2,381
Retire TY GR3 CR4 and BR1-2	-21	0	0	0	0	0	0	-1,050	-1,223	-1,392	-1,557	-1,718	-1,874	-2,026	-2,175	-2,324	-2,471	-2,619	-2,765	-2,911	-3,056	-3,201	-3,349	-3,501	-3,653
Retire TY GR3 CR4 CR and BR1-2	-30	0	0	0	0	0	0	-1,380	-1,666	-1,828	-2,046	-2,260	-2,470	-2,675	-2,875	-3,080	-3,282	-3,501	-3,712	-3,925	-4,139	-4,356	-4,574	-4,794	-5,017
Retire TY GR3 CR	-15	0	0	0	0	0	0	-735	-856	-976	-1,090	-1,212	-1,332	-1,448	-1,562	-1,675	-1,788	-1,898	-2,008	-2,118	-2,228	-2,338	-2,448	-2,558	-2,668
Retire TY GR3 CR and GH3	-85	0	0	0	0	0	0	-3,883	-4,524	-5,155	-5,777	-6,389	-6,991	-7,583	-8,165	-8,748	-9,328	-9,914	-10,501	-11,111	-11,716	-12,327	-12,944	-13,567	-14,196
Retire TY GR3 CR and GH1	-84	0	0	0	0	0	0	-3,843	-4,477	-5,101	-5,717	-6,322	-6,918	-7,504	-8,080	-8,653	-9,231	-9,814	-10,411	-11,011	-11,612	-12,219	-12,834	-13,457	-14,084
Retire TY GR CR	-9	0	0	0	0	0	0	-432	-503	-572	-640	-707	-772	-836	-899	-962	-1,026	-1,089	-1,153	-1,217	-1,282	-1,347	-1,412	-1,477	-1,543
Retire TY GR CR and MCA	-85	0	0	0	0	0	0	-3,931	-4,581	-5,219	-5,846	-6,461	-7,064	-7,654	-8,231	-8,803	-9,376	-9,950	-10,528	-11,103	-11,683	-12,263	-12,846	-13,430	-14,016
Retire TY GR CR and TCI	-19	0	0	0	0	0	0	-855	-996	-1,135	-1,272	-1,407	-1,539	-1,670	-1,799	-1,927	-2,057	-2,188	-2,320	-2,453	-2,588	-2,725	-2,863	-3,002	-3,144
Retire TY GR CR and GH2	-85	0	0	0	0	0	0	-3,222	-3,755	-4,244	-4,719	-5,189	-5,654	-6,114	-6,569	-7,020	-7,467	-7,911	-8,352	-8,790	-9,228	-9,663	-10,095	-10,524	-10,950
Retire TY GR CR and MCL-2	-86	0	0	0	0	0	0	-3,916	-4,562	-5,198	-5,825	-6,442	-7,049	-7,646	-8,233	-8,817	-9,405	-9,999	-10,599	-11,194	-11,784	-12,370	-12,952	-13,530	-14,109
Retire TY GR CR and BR1-2	-107	0	0	0	0	0	0	-4,977	-5,800	-6,609	-7,403	-8,182	-8,945	-9,692	-10,423	-11,146	-11,872	-12,599	-13,328	-14,060	-14,799	-15,529	-16,266	-17,008	-17,748
Retire TY GR CR and BR1-2 and MCL-2	-107	0	0	0	0	0	0	-4,977	-5,800	-6,609	-7,403	-8,182	-8,945	-9,692	-10,423	-11,146	-11,872	-12,599	-13,328	-14,060	-14,799	-15,529	-16,266	-17,008	-17,748
Landfill Capital																									
No Retirements																									
Retire TY	651	936	3,049	4,083	3,979	4,416	39,767	41,494	43,787	46,239	48,239	50,623	52,334	54,278	56,352	58,566	60,920	63,424	66,078	68,882	71,836	74,950	78,224	81,658	85,262
Retire TY GR3	651	936	3,049	4,083	3,979	4,416	39,767	41,494	43,787	46,239	48,239	50,623	52,334	54,278	56,352	58,566	60,920	63,424	66,078	68,882	71,836	74,950	78,224	81,658	85,262

Table with columns: SM, \$000, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include Retire TY GR and CR, Retire TY, Retire TY GR and BR3, Retire TY GR and BR4, Retire TY GR and BR5, Retire TY GR and BR6, Retire TY GR and BR7, Retire TY GR and BR8, Retire TY GR and BR9, Retire TY GR and BR10, Retire TY GR and BR11, Retire TY GR and BR12, Retire TY GR and BR1-2, Retire TY GR and BR1-2 and MCI-2.

Water Capital

Table with columns: SM, \$000, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include No Retirements, Retire TY, Retire TY GR and BR3, Retire TY GR and BR4, Retire TY GR and BR5, Retire TY GR and BR6, Retire TY GR and BR7, Retire TY GR and BR8, Retire TY GR and BR9, Retire TY GR and BR10, Retire TY GR and BR11, Retire TY GR and BR12, Retire TY GR and BR1-2, Retire TY GR and BR1-2 and MCI-2.

Water Capital Delta

Table with columns: SM, \$000, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include No Retirements, Retire TY, Retire TY GR and BR3, Retire TY GR and BR4, Retire TY GR and BR5, Retire TY GR and BR6, Retire TY GR and BR7, Retire TY GR and BR8, Retire TY GR and BR9, Retire TY GR and BR10, Retire TY GR and BR11, Retire TY GR and BR12, Retire TY GR and BR1-2, Retire TY GR and BR1-2 and MCI-2.

Total Capital

Table with columns: SM, \$000, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include No Retirements, Retire TY, Retire TY GR and BR3, Retire TY GR and BR4, Retire TY GR and BR5, Retire TY GR and BR6, Retire TY GR and BR7, Retire TY GR and BR8, Retire TY GR and BR9, Retire TY GR and BR10, Retire TY GR and BR11, Retire TY GR and BR12, Retire TY GR and BR1-2, Retire TY GR and BR1-2 and MCI-2.

SM NUMBER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
No Retirements																									
Retire TY GR3 and GR3	36	0	-1,323	1,043	29,574	31,664	29,554	-14,601	-13,969	-13,386	-12,830	-11,960	-11,716	-11,473	-11,239	-11,005	-9,138	4,829	19,786	30,659	34,208	27,479	-10,406		
Retire TY GR3 and BR3	42	0	-1,323	-5,551	-17,523	-27,992	-38,315	-52,504	-1,722	31,054	55,040	14,582	10,142	22,076	48,102	59,555	-9,677	-4,173	-54,643	-73,082	-73,082	-19,177	46,638	85,700	
Retire TY GR3 and CR4	106	0	-204	-4,511	1,355	5,259	11,117	11,797	31,844	38,843	39,957	31,379	-10,365	-14,448	-3,083	23,722	35,334	32,602	22,916	-3,615	-62,764	-58,212	-73,556	-31,116	
Retire TY GR3 CR4 and CR6	-248	-1,322	-1,322	-23,282	-35,267	-52,980	-81,689	-115,166	-43,490	-70,037	-33,076	-10,270	-39,339	-41,255	-26,463	1,530	14,866	14,156	6,586	-10,988	-35,240	-31,116	-91,613		
Retire TY GR3 CR4 CR6 and BR1-2	-33	-489	-5,505	-15,605	-29,043	-44,251	-61,899	-81,576	-98,576	-118,816	-140,665	-15,623	-33,097	-21,138	-18,812	-18,637	-18,332	-18,182	-18,039	-35,008	-41,619	-51,135	-56,994		
Retire TY GR3 CR and CR	-204	-1,326	-5,764	-26,432	-49,999	-83,098	-114,483	-151,799	-192,236	-235,638	-285,421	-37,623	-51,155	-41,771	-512	-68,359	-72,190	-71,610	-69,745	-65,854	-100,778	-86,997	-13,771		
Retire TY GR3 CR and GR3	99	-115	-565	42	29,331	68,218	124,842	182,682	242,682	309,580	380,702	464,323	554,285	649,719	746,166	842,666	939,245	1,035,845	1,131,412	1,226,912	1,322,399	1,417,824	1,513,143		
Retire TY GR3 CR and GH1	91	-186	-4,884	-5,973	-7,287	-8,751	-9,899	-10,939	-11,937	-12,884	-13,784	-14,638	-15,448	-16,214	-16,936	-17,614	-18,248	-18,838	-19,384	-19,886	-20,344	-20,759	-21,133		
Retire TY GR CR and MCL-2	-60	-862	-12,710	-21,482	-30,954	-40,182	-49,113	-57,809	-66,329	-74,728	-82,956	-91,064	-99,004	-106,836	-114,522	-122,024	-129,304	-136,332	-143,080	-149,520	-155,624	-161,364	-166,812		
Retire TY GR CR and MCL-1	190	0	0	2,991	35,022	62,048	85,576	111,331	-32,864	-45,716	-58,346	-70,429	-81,889	-92,669	-102,728	-112,031	-120,541	-128,222	-135,044	-141,076	-146,388	-150,940	-154,692		
Retire TY GR CR and GH4	117	-122	-527	1,374	30,448	56,135	80,561	-4,091	31,844	67,787	109,831	149,831	187,787	223,697	257,576	289,424	319,242	347,030	372,788	396,516	418,214	437,892	455,550		
Retire TY GR CR and MCL-2	128	-11	-3,511	-3,074	24,097	53,842	95,233	138,273	-28,856	761	45,132	71,170	94,864	-18,807	-59,143	-65,657	-17,008	86,122	42,306	-20,050	-65,499	-11,069	-25,373		
Retire TY GR CR and MCL-1	-192	0	-7,206	-19,719	-5,250	-12,212	-33,203	-58,323	-89,100	-13,600	21,891	26,380	-19,269	-61,332	-81,412	-71,712	-31,764	42,189	30,773	-25,672	-85,649	-120,726	-73,621	-7,910	
Retire TY GR CR BR1-2 and MCL-2	-285	0	-7,206	-24,910	-46,788	-87,235	-129,909	-173,447	-218,327	-264,618	-312,315	-360,456	-409,571	-459,681	-509,796	-559,911	-609,926	-659,941	-709,956	-759,971	-809,986	-859,999	-909,999		
Retirement O&M Cost																									
No Retirements																									
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY and GR3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 and BR3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 and CR4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR4 and CR6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR4 CR6 and BR1-2	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR and CR	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR and GH3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR and GH1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and MCL-2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and MCL-1	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and GH4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and MCL-2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and MCL-1	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR BR1-2 and MCL-2	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR BR1-2 and MCL-1	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retirement O&M Cost Delta																									
No Retirements																									
Retire TY	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY and GR3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 and BR3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 and CR4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR4 and CR6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR4 CR6 and BR1-2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR and CR	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR and GH3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR and GH1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and MCL-2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and MCL-1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and GH4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and MCL-2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and MCL-1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR BR1-2 and MCL-2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR BR1-2 and MCL-1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Existing Unit Fixed O&M																									
No Retirements																									
Retire TY	3,421	214,901	219,007	210,243	214,448	218,737	223,112	227,574	232,125	236,768	241,503	246,333	251,265	256,285	261,411	266,639	271,972	277,411	282,959	288,619	294,391	300,279	306,284	312,410	
Retire TY and GR3	3,416	214,901	219,007	210,243	214,448	218,737	223,112	227,574	232,125	236,768	241,503	246,333	251,265	256,285	261,411	266,639	271,972	277,411	282,959	288,619	294,391	300,279	306,284	312,410	
Retire TY GR3 and BR3	3,365	214,901	219,007	210,243	214,448	218,737	223,112	227,574	232,125	236,768	241,503	246,333	251,265	256,285	261,411	266,639	271,972	277,411	282,959	288,619	294,391	300,279	306,284	312,410	
Retire TY GR3 and CR4	3,190	214,901	219,007	210,243	214,448	218,737	223,112	227,574	232,125	236,768	241,503	246,333	251,265	256,285	261,411	266,639	271,972	277,411	282,959	288,619	294,391	300,279	306,284	312,410	
Retire TY GR3 CR4 and CR6	3,724	214,901	219,007	210,243	214,448	218,737	223,112	227,574	232,125	236,768	241,503	246,333	251,265	256,285	261,411	266,									

Table with columns for SM, \$MM, and years 2011-2033. Rows include 'Existing Unit-Excl O&M Delta' and 'New Control Excl O&M Delta'. Each row contains 23 numerical values representing data for each year.

Total Revenue Requirements

Summary row for Total Revenue Requirements with values for each year from 2011 to 2033.

Discount Rate:

6.75%

SM	5000	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retiree TY	35,168	1,312,915	1,500,607	1,852,905	2,121,164	2,351,587	2,581,126	2,795,625	2,986,022	2,862,286	2,637,996	2,729,956	2,838,636	2,922,400	2,976,059	3,113,626	3,281,763	3,577,588	3,651,537	3,782,138	3,695,418	3,422,422	3,060,445
Retiree TY and GR3	35,100	1,145,959	1,311,388	1,495,055	1,820,250	2,090,246	2,250,347	2,411,959	2,566,034	2,654,030	2,691,158	2,702,462	2,792,167	2,950,487	3,016,911	3,142,425	3,183,916	3,348,653	3,428,800	3,579,807	3,693,021	3,857,384	3,983,091
Retiree TY GR3 and BR3	34,914	1,147,637	1,303,421	1,477,775	1,797,276	2,066,904	2,230,616	2,390,524	2,545,030	2,630,814	2,666,684	2,705,415	2,794,153	2,894,594	3,009,801	3,129,873	3,197,959	3,360,723	3,429,271	3,559,222	3,670,538	3,812,351	3,994,287
Retiree TY GR3 CR4 and CH6	34,772	1,140,205	1,293,670	1,437,888	1,734,714	2,010,219	2,223,133	2,381,971	2,533,984	2,622,284	2,659,242	2,702,462	2,792,167	2,950,487	3,016,911	3,142,425	3,183,916	3,348,653	3,428,800	3,579,807	3,693,021	3,857,384	3,983,091
Retiree TY GR3 CR4 CR6 and BR1-2	34,812	1,139,716	1,285,164	1,422,283	1,707,533	1,978,533	2,163,578	2,323,592	2,478,161	2,566,461	2,603,420	2,646,461	2,740,000	2,894,594	3,009,801	3,129,873	3,197,959	3,360,723	3,429,271	3,559,222	3,670,538	3,812,351	3,994,287
Retiree TY GR3 CR4 CR6 and CR	34,602	1,138,879	1,289,301	1,411,517	1,687,481	1,951,877	2,129,576	2,293,526	2,448,185	2,536,485	2,573,444	2,616,485	2,710,024	2,864,618	2,980,000	3,100,000	3,168,000	3,330,000	3,400,000	3,530,000	3,650,000	3,830,000	3,970,000
Retiree TY GR3 CR4 and GH3	35,009	1,138,764	1,292,341	1,411,517	1,687,481	1,951,877	2,129,576	2,293,526	2,448,185	2,536,485	2,573,444	2,616,485	2,710,024	2,864,618	2,980,000	3,100,000	3,168,000	3,330,000	3,400,000	3,530,000	3,650,000	3,830,000	3,970,000
Retiree TY GR3 CR4 and GH1	34,662	1,138,692	1,278,021	1,399,551	1,666,054	1,938,572	2,102,000	2,265,428	2,419,856	2,507,284	2,544,712	2,582,140	2,680,568	2,835,000	2,950,000	3,070,000	3,140,000	3,300,000	3,370,000	3,500,000	3,620,000	3,800,000	3,940,000
Retiree TY GR CR and MC4	34,943	1,138,071	1,269,311	1,384,084	1,670,616	1,950,279	2,123,000	2,285,721	2,439,442	2,527,163	2,564,884	2,602,605	2,700,326	2,854,047	2,969,047	3,084,047	3,154,047	3,318,047	3,388,047	3,518,047	3,638,047	3,822,047	4,002,047
Retiree TY GR CR and TCI	35,140	1,138,679	1,281,021	1,408,556	1,702,000	2,005,389	2,259,300	2,413,391	2,567,482	2,655,482	2,692,482	2,739,482	2,837,482	2,981,482	3,101,482	3,221,482	3,291,482	3,455,482	3,525,482	3,655,482	3,840,482	4,025,482	4,210,482
Retiree TY GR CR and GH4	34,915	1,138,879	1,279,662	1,399,065	1,690,708	1,970,244	2,150,780	2,314,780	2,468,780	2,556,780	2,594,780	2,632,780	2,730,780	2,874,780	2,994,780	3,114,780	3,184,780	3,348,780	3,418,780	3,548,780	3,733,780	3,918,780	4,103,780
Retiree TY GR CR and MCH	35,224	1,138,879	1,277,376	1,400,888	1,691,802	1,985,802	2,170,802	2,355,802	2,540,802	2,628,802	2,666,802	2,704,802	2,802,802	2,946,802	3,066,802	3,186,802	3,256,802	3,420,802	3,490,802	3,620,802	3,805,802	4,000,802	4,195,802
Retiree TY GR CR and MCH2	34,998	1,138,879	1,273,814	1,385,646	1,666,505	1,947,364	2,128,223	2,282,152	2,426,081	2,514,081	2,552,081	2,600,081	2,700,081	2,844,081	2,964,081	3,084,081	3,154,081	3,318,081	3,388,081	3,518,081	3,703,081	3,888,081	4,073,081
Retiree TY GR CR and MCH2-2	34,545	1,138,879	1,274,515	1,386,357	1,667,216	1,948,075	2,128,934	2,282,863	2,426,792	2,514,792	2,552,792	2,600,792	2,700,792	2,844,792	2,964,792	3,084,792	3,154,792	3,318,792	3,388,792	3,518,792	3,703,792	3,888,792	4,073,792
Retiree TY GR CR and MCH2-2 and MCH2-2	35,180	1,138,879	1,267,308	1,379,241	1,660,359	1,941,477	2,122,595	2,276,524	2,420,453	2,508,453	2,546,453	2,604,453	2,704,453	2,848,453	2,968,453	3,088,453	3,158,453	3,322,453	3,392,453	3,522,453	3,707,453	3,892,453	4,077,453

Total Revenue Requirements Cumulative Delta

SM	5000	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retiree TY	-10	-1,323	1,043	26,563	28,705	-11,281	-17,848	-16,891	-15,005	-12,900	-8,240	-5,276	-218	-8,941	-12,797	-8,116	-6,471	10,553	27,775	29,667	24,366	14,254	-29,688
Retiree TY and GR3	-8	-1,323	-20,001	-5,933	-41,000	-44,797	-42,944	-26,824	-28,049	-40,852	28,798	21,128	-43,148	-100,788	-71,600	-43,148	-100,788	-71,600	-43,148	-100,788	-71,600	14,254	-29,688
Retiree TY GR3 and BR3	359	0	-204	-1,450	1,355	18,800	21,481	36,975	58,204	48,807	50,333	42,735	1,289	-9,622	19,080	62,729	58,338	49,229	17,890	17,890	-16,302	44,481	70,545
Retiree TY GR3 CR4 and CH6	-166	-1,322	-8,171	-33,281	-35,628	-23,347	-18,625	-25,258	-34,309	-84,436	-44,398	-25,952	-47,992	-56,088	12,890	66,449	13,453	12,097	-1,960	6,936	-3,905	-39,023	31,156
Retiree TY GR3 CR4 CR6 and BR1-2	-142	-1,432	-11,751	-33,887	-56,685	-48,789	-69,645	-13,178	70,700	-46,323	-22,968	-10,865	-12,785	-42,254	-3,395	-20,138	3,272	1,860	6,936	3,905	-39,023	-31,973	-25,803
Retiree TY GR3 CR4 CR6 and CR	-40	-469	-6,566	-15,605	-31,898	-41,725	-64,501	33,988	50,805	-39,850	-19,227	37,036	90,115	-42,254	-3,395	-20,138	3,272	1,860	6,936	3,905	-39,023	-31,973	-25,803
Retiree TY GR3 CR4 and GH3	-169	-1,326	-8,764	-26,412	-50,233	-43,943	-67,503	20,594	49,519	-49,459	-40,244	-30,190	9,736	8,514	-69,637	-84,755	-43,781	22,831	87,642	107,686	76,896	151,626	-7,685
Retiree TY GR3 CR4 and GH1	57	0	-114	-565	41	29,321	55,025	97,861	120,295	37,866	109,652	141,669	180,011	226,600	260,126	285,618	311,709	339,725	358,688	377,566	396,444	415,322	434,200
Retiree TY GR CR and MCA	407	-187	-4,894	-11,925	8,564	36,996	87,282	170,223	-30,088	-27,183	-28,627	107,348	30,163	-9,965	8,135	39,246	57,060	85,118	113,196	141,274	169,352	215,428	261,504
Retiree TY GR CR and MCA2	-140	0	-1,885	-5,910	-15,725	-11,597	30,075	34,297	-23,634	-44,151	-26,361	-15,700	26,740	-46,225	-11,947	-9,971	-17,138	-66,943	-74,913	-83,870	-92,837	-101,804	-110,771
Retiree TY GR CR and MCH	481	-862	-12,710	-21,483	-1,139	7,500	40,699	-86,337	-28,798	45,925	10,312	17,758	23,446	116,590	171,746	155,304	82,726	17,246	155,304	82,726	-6,992	13,298	26,192
Retiree TY GR CR and MCH2	678	0	2,990	35,022	60,290	70,824	-15,732	2,584	84,135	157,558	84,029	10,312	17,758	23,446	116,590	171,746	155,304	82,726	17,246	155,304	82,726	-6,992	13,298
Retiree TY GR CR and MCH2-2	757	-122	-1,379	1,373	30,448	55,110	76,507	-12,180	-1,941	71,614	134,560	128,202	59,378	4,778	6,453	27,894	18,447	184,569	145,078	68,447	10,942	22,849	89,721
Retiree TY GR CR and MCH2-2 and MCH2-2	453	0	-3,645	-6,501	19,952	39,685	43,645	-33,484	-29,251	-6,704	60,278	131,998	62,096	-10,715	-2,885	10,237	92,603	145,605	134,652	68,550	-21,489	1,051	14,831
Retiree TY GR CR and MCH2-2 and MCH2-2	762	-11	-3,645	-4,668	20,046	37,550	43,645	-33,484	-29,251	-6,704	60,278	131,998	62,096	-10,715	-2,885	10,237	92,603	145,605	134,652	68,550	-21,489	1,051	14,831
Retiree TY GR CR and MCH2-2 and MCH2-2	536	0	-7,206	-19,720	-5,251	39,274	21,392	-49,896	-50,709	-31,880	-15,878	70,954	73,307	71,228	8,541	15,737	30,515	106,399	186,834	148,773	84,716	32,312	89,564
Retiree TY GR CR and MCH2-2 and MCH2-2	83	-489	-6,506	-10,415	8,613	38,274	21,392	-49,896	-50,709	-31,880	-15,878	70,954	73,307	71,228	8,541	15,737	30,515	106,399	186,834	148,773	84,716	32,312	89,564
Retiree TY GR CR and MCH2-2 and MCH2-2	656	0	-7,206	-24,910	-46,788	-104,111	108,847	43,026	120,073	99,644	61,748	20,442	-26,710	60,693	151,007	119,294	99,757	51,257	78,434	164,651	142,547	146,767	138,707

Discount Rate:

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2088

New Unit Capital and Production Cost

No Retirements	3,298,822	3,397,642	3,491,133	3,594,072	3,705,201	3,825,115	3,951,994
Retiree TY	3,268,617	3,425,642	3,520,680	3,616,721	3,725,196	3,824,079	3,926,932
Retiree TY and GR3	3,304,110	3,400,074	3,491,232	3,585,233	3,683,225	3,783,157	3,884,031
Retiree TY GR3 and BR3	3,440,370	3,537,160	3,626,450	3,719,674	3,816,214	3,914,814	4,014,988
Retiree TY GR3 and BR4	3,373,220	3,474,123	3,558,461	3,649,993	3,745,664	3,845,616	3,949,932
Retiree TY GR3 and GR6	3,453,213	3,548,887	3,643,827	3,732,758	3,826,600	3,924,714	4,027,610
Retiree TY GR3 GR4 and BR1-2	3,401,584	3,520,329	3,656,850	3,755,126	3,890,336	4,001,602	4,115,924
Retiree TY GR3 and CR	3,434,368	3,595,694	3,690,093	3,793,726	3,927,308	4,009,038	4,174,368
Retiree TY GR3 CR and GR5	3,574,066	3,677,315	3,775,073	3,877,913	4,024,772	4,151,483	4,309,952
Retiree TY GR3 CR and GR1	3,594,068	3,712,154	3,817,622	3,918,669	4,065,106	4,143,672	4,318,895
Retiree TY GR and CR	3,403,762	3,522,216	3,654,484	3,759,952	3,927,839	4,072,570	4,181,285
Retiree TY GR CR and MCA	3,660,379	3,797,148	3,949,357	4,055,644	4,272,570	4,174,140	4,344,182
Retiree TY GR CR and TCI	3,608,133	3,995,167	3,866,259	3,801,671	4,068,571	4,173,516	4,344,182
Retiree TY GR CR and GR4	3,638,815	3,978,166	3,829,379	3,845,543	4,082,248	4,174,140	4,344,182
Retiree TY GR CR and MCA	3,596,661	3,976,029	3,795,766	3,895,637	4,058,048	4,165,187	4,333,029
Retiree TY GR CR and MCA	3,644,326	3,795,648	3,852,598	3,947,321	4,095,020	4,176,012	4,333,029
Retiree TY GR CR and GR2	3,666,194	3,770,617	3,870,205	3,981,154	4,137,479	4,249,494	4,441,634
Retiree TY GR CR and BR1-2	3,491,795	3,660,868	3,745,591	3,847,216	3,998,089	4,104,972	4,281,110
Retiree TY GR CR BR1-2 and MCI-2	3,676,027	3,790,571	3,918,168	4,060,872	4,210,971	4,323,227	4,486,124

Production Cost

No Retirements	2,947,074	3,023,117	3,119,714	3,229,923	3,396,980	3,458,932	3,624,816
Retiree TY	2,925,326	3,047,555	3,120,278	3,220,667	3,378,497	3,460,914	3,637,668
Retiree TY and GR3	2,903,711	3,016,408	3,122,811	3,231,573	3,395,951	3,478,373	3,640,112
Retiree TY GR3 and BR3	3,040,277	3,102,722	3,191,969	3,302,453	3,463,648	3,550,394	3,713,288
Retiree TY GR3 and BR4	2,944,120	3,046,874	3,149,761	3,258,499	3,419,521	3,499,610	3,684,866
Retiree TY GR3 GR4 and CR6	3,063,120	3,114,449	3,203,346	3,315,537	3,468,034	3,563,283	3,744,910
Retiree TY GR3 GR4 and BR1-2	3,016,470	3,161,001	3,292,503	3,394,506	3,550,724	3,674,058	3,807,625
Retiree TY GR3 and CR	3,046,653	3,173,650	3,246,231	3,354,709	3,506,143	3,605,333	3,786,739
Retiree TY GR3 CR and GR1	3,142,126	3,240,465	3,360,273	3,475,759	3,629,162	3,750,992	3,912,621
Retiree TY GR and CR	3,068,638	3,163,188	3,280,147	3,399,332	3,548,227	3,626,723	3,809,438
Retiree TY GR CR and MCA	3,220,039	3,263,424	3,377,220	3,501,204	3,635,252	3,760,718	3,940,438
Retiree TY GR CR and TCI	3,195,676	3,262,566	3,378,666	3,491,331	3,654,763	3,764,662	3,933,002
Retiree TY GR CR and GR4	3,156,894	3,269,249	3,369,252	3,502,413	3,655,655	3,763,670	3,947,308
Retiree TY GR CR and MCA	3,184,186	3,243,131	3,366,435	3,465,297	3,654,949	3,756,833	3,926,849
Retiree TY GR CR and GR2	3,162,306	3,276,731	3,392,471	3,504,191	3,666,427	3,765,542	3,957,550
Retiree TY GR CR and MCI-2	3,206,059	3,311,983	3,428,790	3,556,826	3,720,278	3,828,153	3,996,377
Retiree TY GR CR and BR1-2	3,108,541	3,244,045	3,307,658	3,414,935	3,574,393	3,676,689	3,866,287
Retiree TY GR CR BR1-2 and MCI-2	3,244,792	3,374,954	3,509,466	3,648,210	3,793,203	3,897,884	4,064,054

Production Cost Delta

No Retirements	-21,748	24,438	564	-9,256	-18,483	1,992	2,853
Retiree TY	-21,615	-31,147	2,533	10,905	17,453	18,458	2,443
Retiree TY and GR3	136,565	86,314	69,158	70,880	67,697	71,021	73,177
Retiree TY GR3 and BR3	40,580	30,466	26,949	26,727	23,570	20,237	44,754
Retiree TY GR3 GR4 and CR6	108,828	67,575	59,586	57,238	48,513	63,684	60,044
Retiree TY GR3 GR4 and BR1-2	-16,649	46,552	83,156	68,970	82,690	60,765	62,715
Retiree TY GR3 and CR	-6,467	59,201	36,885	39,172	38,109	42,040	41,829
Retiree TY GR3 CR and GR1	72,038	66,816	114,042	121,050	123,019	145,659	125,881
Retiree TY GR3 CR and MCA	95,583	94,727	107,359	105,422	115,614	113,787	124,049
Retiree TY GR and CR	-6,015	-10,462	43,916	34,674	42,084	21,390	22,699
Retiree TY GR CR and MCA	181,400	120,236	87,073	111,871	87,026	133,995	130,999
Retiree TY GR CR and TCI	157,040	95,181	88,839	101,989	116,596	137,939	128,564
Retiree TY GR CR and GR4	118,256	106,061	79,105	113,081	107,428	136,947	137,870
Retiree TY GR CR and MCA	145,348	79,943	76,312	95,985	106,013	129,610	117,411
Retiree TY GR CR and MCI-2	123,667	113,943	102,344	114,859	118,200	138,819	128,112
Retiree TY GR CR and BR1-2	69,903	80,857	17,511	25,603	26,156	50,146	26,848
Retiree TY GR CR BR1-2 and MCI-2	136,251	130,969	201,908	233,775	218,820	220,795	227,767

New Unit Capital

No Retirements	351,748	374,525	371,419	364,149	366,221	366,183	357,179
Retiree TY	343,291	378,087	400,402	396,054	378,699	363,115	349,264
Retiree TY and GR3	400,399	393,666	368,471	353,661	346,044	353,853	353,045
Retiree TY GR3 and BR3	400,093	434,438	434,481	417,221	400,566	384,421	368,700
Retiree TY GR3 and BR4	428,929	427,255	408,701	391,694	376,143	361,006	346,066
Retiree TY GR3 GR4 and CR6	400,093	434,438	434,481	417,221	400,566	384,421	368,700
Retiree TY GR3 GR4 and BR1-2	365,124	359,328	364,348	370,620	379,612	377,544	368,309
Retiree TY GR3 and CR	387,745	423,044	443,862	439,017	421,165	403,705	387,629
Retiree TY GR3 CR and GR1	455,406	456,854	418,800	402,154	395,610	400,491	397,342

Discount Rate:

Retiree TV GR3 CR and GH1
Retiree TV GR and CR
Retiree TV GR and MC4
Retiree TV GR and TCI
Retiree TV GR and G4
Retiree TV GR and MC3
Retiree TV GR and GH2
Retiree TV GR and MC1-2
Retiree TV GR CR and BR1-2
Retiree TV GR CR BR1-2 and MC1-2

New Unit Capital Delta

No Retirements

Retiree TV
Retiree TV and GR3
Retiree TV GR3 and BR3
Retiree TV GR3 and CR4
Retiree TV GR3 CR and G16
Retiree TV GR3 CR and BR1-2
Retiree TV GR3 CR and CR
Retiree TV GR3 CR and GH3
Retiree TV GR3 CR and GH1
Retiree TV GR3 CR and CR
Retiree TV GR CR and MC4
Retiree TV GR CR and TCI
Retiree TV GR CR and G4
Retiree TV GR CR and MC3
Retiree TV GR CR and MC2
Retiree TV GR CR and MC1-2
Retiree TV GR CR BR1-2 and MC1-2

New Control Capital

No Retirements

Retiree TV
Retiree TV and GR3
Retiree TV GR3 and BR3
Retiree TV GR3 and CR4
Retiree TV GR3 CR and G16
Retiree TV GR3 CR and BR1-2
Retiree TV GR3 CR and CR
Retiree TV GR3 CR and GH3
Retiree TV GR3 CR and GH1
Retiree TV GR CR and MC4
Retiree TV GR CR and TCI
Retiree TV GR CR and G4
Retiree TV GR CR and MC3
Retiree TV GR CR and GH2
Retiree TV GR CR and MC1-2
Retiree TV GR CR BR1-2 and MC1-2

New Controls Capital Delta

No Retirements

Retiree TV
Retiree TV and GR3
Retiree TV GR3 and BR3
Retiree TV GR3 and CR4
Retiree TV GR3 CR and G16
Retiree TV GR3 CR and BR1-2
Retiree TV GR3 CR and CR
Retiree TV GR3 CR and GH3
Retiree TV GR3 CR and GH1
Retiree TV GR CR and MC4
Retiree TV GR CR and TCI
Retiree TV GR CR and G4
Retiree TV GR CR and MC3
Retiree TV GR CR and MC2
Retiree TV GR CR and MC1-2
Retiree TV GR CR BR1-2 and MC1-2

Table with 23 columns representing years from 2011 to 2038 and 14 rows of data for various retiree categories.

Table with 23 columns representing years from 2011 to 2038 and 14 rows of data for various retiree categories.

Table with 23 columns representing years from 2011 to 2038 and 14 rows of data for various retiree categories.

Table with 23 columns representing years from 2011 to 2038 and 14 rows of data for various retiree categories.

Discount Rate:

2058

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MTP Capital

No Retirements

Retire TY	139,365	145,108	150,899	156,087	161,351	166,658	172,046
Retire TY and GR3	136,574	142,204	147,882	152,995	158,432	163,409	168,716
Retire TY GR3 and BR3	135,423	141,005	146,635	151,700	156,839	162,032	167,305
Retire TY GR3 and CR4	127,287	132,518	137,793	142,498	147,275	152,102	157,005
Retire TY GR3 CR4 and CR6	133,190	138,717	144,290	149,295	154,374	159,506	164,715
Retire TY GR3 CR4 CR6 and BR1-2	129,732	135,173	140,657	145,572	150,558	155,594	160,706
Retire TY GR3 CR and CR	124,491	129,705	134,960	139,644	144,396	149,197	154,070
Retire TY GR3 CR and GH3	127,312	132,692	138,115	142,966	147,886	152,856	157,899
Retire TY GR3 CR and GH1	112,482	117,220	121,994	126,191	130,449	134,750	139,117
Retire TY GR CR and M/C4	115,703	120,317	124,863	129,356	133,831	138,294	142,746
Retire TY GR CR and T/C1	111,099	115,683	120,587	124,977	129,423	133,894	138,504
Retire TY GR CR and GH4	124,417	127,986	132,796	137,452	142,136	146,807	151,749
Retire TY GR CR and GH4	110,903	115,577	120,286	124,417	128,609	132,865	137,185
Retire TY GR CR and M/C3	113,732	118,562	123,433	127,894	132,416	136,999	141,645
Retire TY GR CR and GH2	110,749	115,416	120,118	124,242	128,428	132,676	136,989
Retire TY GR CR and M/C1-2	107,211	111,778	116,384	120,669	125,010	129,408	133,865
Retire TY GR CR and BR1-2	120,462	125,549	130,676	135,229	139,849	144,536	149,293
Retire TY GR CR BR1-2 and M/C1-2	101,970	106,310	110,687	114,741	118,848	123,011	127,229

MTE Capital/Delta

No Retirements

Retire TY	-2,790	-2,904	-3,017	-3,092	-3,170	-3,249	-3,330
Retire TY and GR3	-1,152	-1,199	-1,247	-1,295	-1,343	-1,377	-1,411
Retire TY GR3 and BR3	-8,136	-8,488	-8,843	-9,202	-9,564	-9,930	-10,300
Retire TY GR3 and CR4	-2,233	-2,289	-2,346	-2,405	-2,465	-2,526	-2,589
Retire TY GR3 CR4 and CR6	-3,457	-3,594	-3,632	-3,725	-3,816	-3,912	-4,009
Retire TY GR3 CR4 CR6 and BR1-2	-5,241	-5,488	-5,697	-5,928	-6,161	-6,397	-6,635
Retire TY GR3 CR and CR	-2,420	-2,481	-2,543	-2,606	-2,671	-2,738	-2,807
Retire TY GR3 CR and GH3	-16,831	-15,472	-16,121	-16,775	-17,437	-18,106	-18,782
Retire TY GR3 CR and GH1	-14,676	-15,311	-15,953	-16,601	-17,256	-17,918	-18,587
Retire TY GR CR and M/C4	-1,609	-1,675	-1,742	-1,809	-1,876	-1,923	-1,971
Retire TY GR CR and T/C1	-14,604	-15,194	-15,786	-16,180	-16,585	-16,999	-17,424
Retire TY GR CR and GH4	-3,286	-3,431	-3,577	-3,725	-3,875	-4,026	-4,180
Retire TY GR CR and M/C3	-14,800	-15,440	-16,087	-16,741	-17,401	-18,069	-18,743
Retire TY GR CR and GH2	-11,971	-12,455	-12,940	-13,263	-13,595	-13,934	-14,283
Retire TY GR CR and M/C1-2	-14,954	-15,601	-16,255	-16,915	-17,583	-18,257	-18,939
Retire TY GR CR and BR1-2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,063
Retire TY GR CR BR1-2 and M/C1-2	-5,241	-5,488	-5,697	-5,928	-6,161	-6,397	-6,635
Retire TY GR CR BR1-2 and M/C1-2	-16,492	-17,239	-17,988	-20,488	-21,000	-21,525	-22,063

Landfill Capital

No Retirements

Retire TY	115,469	117,869	118,900	120,220	42,001	38,766	37,512
Retire TY and GR3	115,469	117,869	118,900	120,220	42,001	38,766	37,512
Retire TY GR3 and BR3	113,967	116,506	118,678	120,031	41,844	38,642	37,415
Retire TY GR3 and CR4	113,721	116,150	117,208	118,512	40,273	37,019	35,741
Retire TY GR3 CR4 and CR6	110,944	113,487	114,588	115,657	37,599	34,314	33,000
Retire TY GR3 CR4 CR6 and BR1-2	109,989	112,609	114,445	115,745	37,498	34,234	32,937
Retire TY GR3 CR and CR	109,049	111,624	112,754	114,016	35,727	32,420	31,091
Retire TY GR3 CR and GH3	89,473	91,157	91,345	92,095	33,209	30,546	29,362
Retire TY GR3 CR and GH1	88,677	91,370	91,568	92,323	33,235	30,586	29,380
Retire TY GR CR and M/C4	103,049	111,624	112,754	114,016	35,727	32,420	31,081
Retire TY GR CR and M/C1	109,049	111,624	112,754	114,016	35,727	32,420	31,081
Retire TY GR CR and T/C1	97,383	100,281	101,723	103,285	25,285	22,258	21,195
Retire TY GR CR and GH4	89,534	91,199	91,390	92,141	33,214	30,550	29,366
Retire TY GR CR and M/C3	109,049	111,624	112,754	114,016	35,727	32,420	31,081
Retire TY GR CR and GH2	89,310	90,986	91,167	91,912	33,188	30,531	29,348
Retire TY GR CR and M/C1-2	109,049	111,624	112,754	114,016	35,727	32,420	31,081
Retire TY GR CR and BR1-2	106,094	110,746	112,611	113,894	35,626	32,340	31,018
Retire TY GR CR BR1-2 and M/C1-2	108,094	110,746	112,611	113,894	35,626	32,340	31,018

Landfill Capital/Delta

No Retirements

Retire TY	0	0	0	0	0	0	0
Retire TY and GR3	-4,482	-4,363	-222	-189	-157	-124	-97
Retire TY GR3 and BR3	-1,788	-1,719	-1,692	-1,708	-1,727	-1,747	-1,771
Retire TY GR3 and CR4	-2,777	-2,662	-2,600	-2,645	-2,674	-2,705	-2,742
Retire TY GR3 CR4 and CR6	-955	-878	-143	-122	-101	-80	-62
Retire TY GR3 CR and CR	-1,895	-1,864	-1,834	-1,851	-1,872	-1,894	-1,919
Retire TY GR3 CR and GH3	-19,576	-20,467	-21,409	-21,921	-22,518	-1,874	-1,718
Retire TY GR3 CR and GH1	-19,372	-20,254	-21,185	-21,692	-22,492	-1,854	-1,700

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Retiree TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and MCL-2	-11,666	-11,245	-11,031	-10,817	-10,602	-10,387	-10,172	-9,957	-9,742	-9,527	-9,312	-9,097	-8,882	-8,667	-8,452	-8,237	-8,022	-7,807	-7,592	-7,377	-7,162	-6,947	-6,732	-6,517	-6,302
Retiree TY GR and MCL-1	-19,335	-20,424	-21,513	-22,602	-23,691	-24,780	-25,869	-26,958	-28,047	-29,136	-30,225	-31,314	-32,403	-33,492	-34,581	-35,670	-36,759	-37,848	-38,937	-40,026	-41,115	-42,204	-43,293	-44,382	-45,471
Retiree TY GR and MCL-2	-19,739	-20,637	-21,535	-22,433	-23,331	-24,229	-25,127	-26,025	-26,923	-27,821	-28,719	-29,617	-30,515	-31,413	-32,311	-33,209	-34,107	-35,005	-35,903	-36,801	-37,699	-38,597	-39,495	-40,393	-41,291
Retiree TY GR and MCL-2	-955	-878	-801	-724	-647	-570	-493	-416	-339	-262	-185	-108	-31	46	123	200	277	354	431	508	585	662	739	816	893
Retiree TY GR CR BR1-2 and MCL1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water/Capital

No Retirements

Retiree TY	11,399	10,955	10,511	10,067	9,623	9,179	8,735	8,291	7,847	7,403	6,959	6,515	6,071	5,627	5,183	4,739	4,295	3,851	3,407	2,963	2,519	2,075	1,631	1,187	743
Retiree TY GR and CR	11,062	10,627	10,192	9,757	9,322	8,887	8,452	8,017	7,582	7,147	6,712	6,277	5,842	5,407	4,972	4,537	4,102	3,667	3,232	2,797	2,362	1,927	1,492	1,057	622
Retiree TY GR and MCL-2	10,724	10,339	9,953	9,568	9,183	8,798	8,413	8,028	7,643	7,258	6,873	6,488	6,103	5,718	5,333	4,948	4,563	4,178	3,793	3,408	3,023	2,638	2,253	1,868	1,483
Retiree TY GR and MCL-1	9,365	9,023	8,680	8,338	7,995	7,653	7,310	6,968	6,625	6,283	5,940	5,598	5,255	4,913	4,571	4,229	3,886	3,544	3,202	2,859	2,517	2,174	1,832	1,489	1,147
Retiree TY GR and MCL-2	10,724	10,339	9,953	9,568	9,183	8,798	8,413	8,028	7,643	7,258	6,873	6,488	6,103	5,718	5,333	4,948	4,563	4,178	3,793	3,408	3,023	2,638	2,253	1,868	1,483
Retiree TY GR CR and CR	9,849	9,491	9,133	8,775	8,417	8,059	7,701	7,343	6,985	6,627	6,269	5,911	5,553	5,195	4,837	4,479	4,121	3,763	3,405	3,047	2,689	2,331	1,973	1,615	1,257
Retiree TY GR CR and CR	9,849	9,491	9,133	8,775	8,417	8,059	7,701	7,343	6,985	6,627	6,269	5,911	5,553	5,195	4,837	4,479	4,121	3,763	3,405	3,047	2,689	2,331	1,973	1,615	1,257
Retiree TY GR CR and CR	10,253	9,888	9,522	9,157	8,791	8,426	8,061	7,695	7,330	6,965	6,600	6,235	5,870	5,505	5,140	4,775	4,410	4,045	3,680	3,315	2,950	2,585	2,220	1,855	1,490
Retiree TY GR CR and CR	9,166	8,852	8,537	8,222	7,907	7,592	7,277	6,962	6,647	6,332	6,017	5,702	5,387	5,072	4,757	4,442	4,127	3,812	3,497	3,182	2,867	2,552	2,237	1,922	1,607
Retiree TY GR CR and CR	9,371	9,033	8,694	8,355	8,016	7,677	7,338	6,999	6,660	6,321	5,982	5,643	5,304	4,965	4,626	4,287	3,948	3,609	3,270	2,931	2,592	2,253	1,914	1,575	1,236
Retiree TY GR CR and CR	9,362	9,038	8,714	8,390	8,066	7,742	7,418	7,094	6,770	6,446	6,122	5,798	5,474	5,150	4,826	4,502	4,178	3,854	3,530	3,206	2,882	2,558	2,234	1,910	1,586
Retiree TY GR CR and CR	9,362	9,024	8,666	8,347	8,009	7,671	7,333	6,995	6,657	6,319	5,981	5,643	5,305	4,967	4,629	4,291	3,953	3,615	3,277	2,939	2,601	2,263	1,925	1,587	1,249
Retiree TY GR CR and CR	8,877	8,576	8,274	7,973	7,671	7,370	7,068	6,766	6,464	6,162	5,860	5,558	5,256	4,954	4,652	4,350	4,048	3,746	3,444	3,142	2,840	2,538	2,236	1,934	1,632
Retiree TY GR CR and CR	9,377	9,040	8,702	8,364	8,026	7,688	7,350	7,012	6,674	6,336	5,998	5,660	5,322	4,984	4,646	4,308	3,970	3,632	3,294	2,956	2,618	2,280	1,942	1,604	1,266
Retiree TY GR CR BR1-2 and MCL1-2	8,002	7,728	7,454	7,180	6,906	6,632	6,358	6,084	5,810	5,536	5,262	4,988	4,714	4,440	4,166	3,892	3,618	3,344	3,070	2,796	2,522	2,248	1,974	1,700	1,426

Water/Capital/Debit

No Retirements

Retiree TY	-337	-323	-309	-294	-280	-266	-251	-237	-222	-208	-194	-179	-165	-150	-136	-121	-107	-92	-78	-63	-49	-34	-20	-5	9
Retiree TY GR and CR	-337	-323	-309	-294	-280	-266	-251	-237	-222	-208	-194	-179	-165	-150	-136	-121	-107	-92	-78	-63	-49	-34	-20	-5	9
Retiree TY GR and MCL-2	-1,359	-1,316	-1,273	-1,230	-1,187	-1,144	-1,101	-1,058	-1,015	-972	-929	-886	-843	-800	-757	-714	-671	-628	-585	-542	-499	-456	-413	-370	-327
Retiree TY GR CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and CR	-876	-848	-820	-793	-765	-737	-710	-682	-654	-626	-598	-570	-542	-514	-486	-458	-430	-402	-374	-346	-318	-290	-262	-234	-206
Retiree TY GR CR and CR	-884	-857	-830	-803	-776	-748	-721	-693	-665	-637	-609	-581	-553	-525	-497	-469	-441	-413	-385	-357	-329	-301	-273	-245	-217
Retiree TY GR CR and CR	-875	-848	-821	-794	-767	-741	-714	-687	-660	-633	-606	-579	-552	-525	-498	-471	-444	-417	-390	-363	-336	-309	-282	-255	-228
Retiree TY GR and CR	-1,086	-1,056	-1,026	-996	-966	-936	-906	-876	-846	-816	-786	-756	-726	-696	-666	-636	-606	-576	-546	-516	-486	-456	-426	-396	-366
Retiree TY GR and CR	-466	-453	-441	-428	-416	-403	-391	-378	-365	-353	-340	-328	-315	-303	-290	-278	-265	-253	-240	-228	-215	-203	-190	-178	-165
Retiree TY GR CR and CR	-862	-855	-848	-841	-834	-827	-820	-813	-806	-799	-792	-785	-778	-771	-764	-757	-750	-743	-736	-729	-722	-715	-708	-701	-694
Retiree TY GR CR and CR	-881	-869	-858	-847	-836	-825	-814	-803	-792	-781	-770	-759	-748	-737	-726	-715	-704	-693	-682	-671	-660	-649	-638	-627	-616
Retiree TY GR CR and CR	-1,376	-1,332	-1,248	-1,184	-1,120	-1,056	-992	-928	-864	-800	-736	-672	-608	-544	-480	-416	-352	-288	-224	-160	-96	-32	32	68	104
Retiree TY GR CR and CR	-876	-848	-820	-793	-765	-737	-710	-682	-654	-626	-598	-570	-542	-514	-486	-458	-430	-402	-374	-346	-318	-290	-262	-234	-206
Retiree TY GR CR BR1-2 and MCL1-2	-1,376	-1,312	-1,248	-1,184	-1,120	-1,056	-992	-928	-864	-800	-736	-672	-608	-544	-480	-416	-352	-288	-224	-160	-96	-32	32	68	104

Total Capital

No Retirements

Retiree TY	759,007	745,058	731,109	717,160	703,211	689,262	675,313	661,364	647,415	633,466	619,517	605,568	591,619	577,670	563,721	549,772	535,823	521,874	507,925	493,976	480,027	466,078	452,129	438,180	424,231
Retiree TY GR and CR	745,058	731,109	717,160	703,211	689,262	675,313	661,364	647,415	633,466	619,517	605,568	591,619	577,670	563,721	549,772	535,823	521,874	507,925	493,976	480,027	466,078	452,129	438,180	424,231	410,282
Retiree TY GR and MCL-2	759,007	745,058	731,109	717,160	703,211	689,262	675,313	661,364	647,415	633,466	619,517	605,568	591,619	577,670	563,721	549,772	535,823	521,874	507,925	493,976	480,027	466,078	452,129	438,180	424,231
Retiree TY GR CR and CR	759,007	745,058	731,109	717,160	703,211	689,262	675,313	661,364	647,415	633,466	619,517	605,568	591,619	577,670	563,721	549,772	535,823	521,874	507,925	493,976	480,027	466,078	452,129	438,180	424,231
Retiree TY GR CR and CR	759,007	745,058	731,109	717,160	703,211	689,262	675,313	661,364	647,415	633,466	619,517	605,568	591,619	577,670	563,721	549,772	535,823	521,874	507,925	493,976	480,027	466,078	452,129	438,180	424,231
Retiree TY GR CR and CR	759,007	745,058	731,109	717,160	703,211	689,262	675,313	661,364	647,415	633,466	619,517	605,568	591,619	577,670	563,721	549,772	535,823	521,874	507,925	493,976	480,027	466,078	452,129	438,180	424,231
Retiree TY GR CR and CR	759,007	745,058																							

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Retire TY	4,055,194	4,202,440	4,295,482	4,395,111	4,462,586	4,526,101	4,683,656	51,130	43,773	41,312	35,882	34,117	32,613	28,798	24,464	21,997	20,583	17,526	10,366	9,049	4,873	4,421	4,000	3,489	253
Retire TY GR3 and GR3	4,095,595	4,160,650	4,249,615	4,347,003	4,432,558	4,518,273	4,672,654	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR3 and BR3	4,150,031	4,255,442	4,343,078	4,439,106	4,524,843	4,576,317	4,717,310	44,080	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR3 and CR4	4,097,016	4,206,515	4,288,140	4,382,491	4,454,373	4,515,215	4,679,370	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR3 CR4 and CR6	4,148,258	4,252,100	4,343,828	4,434,953	4,496,446	4,573,940	4,729,940	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR3 CR4 and BR1-2	4,057,778	4,184,953	4,316,462	4,418,809	4,519,456	4,575,814	4,735,155	39,888	33,038	31,085	26,612	24,975	23,402	19,579	15,245	13,292	11,913	9,049	3,889	3,052	1,877	1,425	1,004	849	253
Retire TY GR3 CR4 and CR	4,099,963	4,268,893	4,359,535	4,464,797	4,523,370	4,588,734	4,757,631	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR3 CR4 and GH3	4,172,112	4,318,372	4,377,705	4,476,925	4,567,425	4,660,079	4,815,636	40,181	33,234	31,183	26,612	24,807	23,234	19,414	15,080	13,127	11,748	8,885	3,889	3,052	1,877	1,425	1,004	849	253
Retire TY GR3 CR4 and GH1	4,148,984	4,311,413	4,410,973	4,512,306	4,600,079	4,675,050	4,815,636	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR4 and CR	4,048,844	4,169,904	4,297,838	4,404,639	4,469,707	4,570,313	4,735,876	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR4 and M04	4,225,658	4,339,204	4,427,176	4,534,789	4,614,968	4,681,548	4,839,316	48,351	42,094	39,719	34,374	32,695	30,613	26,800	22,466	19,992	18,569	14,512	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR CR and TCI	4,197,978	4,292,348	4,395,204	4,495,766	4,589,703	4,688,638	4,851,182	44,250	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR CR and GH4	4,218,982	4,327,992	4,403,407	4,519,636	4,602,181	4,688,134	4,851,182	44,250	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR CR and M03	4,183,170	4,269,431	4,384,649	4,485,529	4,570,806	4,676,168	4,836,749	44,669	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR CR and GH2	4,216,564	4,338,486	4,424,587	4,545,248	4,619,526	4,697,741	4,857,142	41,615	34,581	32,444	27,398	25,896	24,052	20,274	16,502	14,378	12,544	9,782	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR CR and M02-2	4,209,987	4,316,481	4,421,921	4,539,399	4,621,959	4,705,380	4,870,420	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR CR and M01-2	4,252,986	4,369,417	4,450,546	4,553,531	4,653,101	4,753,100	4,927,140	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR CR BR1-2 and M01-2	4,095,988	4,269,417	4,350,546	4,453,531	4,553,101	4,653,100	4,827,140	49,365	37,012	34,879	30,474	28,695	26,613	22,798	18,464	16,000	14,586	11,529	4,369	3,052	1,877	1,425	1,004	849	253
Retire TY GR CR BR1-2 and M01-2	4,175,058	4,297,086	4,431,496	4,580,185	4,656,635	4,770,202	4,950,411	39,888	33,038	31,085	26,612	24,975	23,402	19,579	15,245	13,292	11,913	9,049	3,889	3,052	1,877	1,425	1,004	849	253

Total Revenue Requirements Delta

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
Retire TY	-41,901	16,167	17,574	10,571	-20,192	-13,386	-17,481	-1,765	-1,679	-1,594	-1,508	-1,422	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and GR3	19,462	-41,790	-45,866	-46,108	-30,027	-7,828	-11,002	-1,765	-1,679	-1,594	-1,508	-1,422	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	94,493	94,792	93,462	92,103	77,284	58,044	44,656	-5,284	-5,082	-4,879	-4,676	-4,474	-4,271	-4,068	-3,865	-3,663	-3,460	-1,405	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	41,421	45,864	38,525	35,488	21,814	-3,058	6,716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	51,242	45,595	55,688	52,502	42,073	55,621	50,570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and BR1-2	-90,681	-67,507	-25,366	-16,184	23,010	14,978	23,215	-9,477	-9,055	-8,634	-8,212	-7,790	-7,369	-6,956	-6,534	-6,113	-5,692	-3,272	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR	-68,286	16,793	15,707	29,804	26,924	28,807	27,691	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and GH3	72,150	12,479	18,170	12,128	44,095	89,911	84,951	-9,183	-8,860	-8,536	-8,212	-7,889	-7,565	-7,241	-6,918	-6,594	-6,270	-5,943	-3,232	-4,152	-2,14	0	0	0	0	0
Retire TY GR3 CR4 and GH1	47,001	42,920	51,438	47,509	76,709	75,307	86,005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR4 and CR	-95,148	-98,979	-61,997	-60,178	-25,663	-29,430	-21,755	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR4 and M04	192,084	169,290	129,338	130,170	79,261	111,695	103,441	-1,014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	154,164	124,434	101,367	91,147	89,996	118,335	115,307	-5,075	-4,801	-4,186	-261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	169,078	157,988	105,569	115,036	102,473	117,821	111,493	-8,440	-8,121	-7,803	-7,484	-7,166	-6,847	-6,529	-6,210	-5,892	-5,243	-4,835	0	0	0	0	0	0	0	0
Retire TY GR CR and M03	139,356	99,517	86,811	80,909	75,059	105,855	100,873	-4,906	-341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	172,750	163,581	126,750	114,628	111,118	117,428	99,267	-7,750	-7,512	-7,274	-7,037	-6,799	-6,561	-6,323	-6,086	-5,848	-5,610	-5,372	-5,135	-4,897	-4,659	-4,421	-4,000	-3,489	-253	
Retire TY GR CR and M02-2	160,273	145,566	124,084	134,780	122,261	165,067	161,545	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and M01-2	469,171	99,503	52,708	48,712	31,524	61,795	44,254	-9,477	-9,055	-8,634	-8,212	-7,790	-7,369	-6,956	-6,534	-6,113	-5,692	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and M01-2	82,073	27,668	80,950	126,854	125,453	138,095	150,282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Revenue Requirements Cumulative

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Retire TY	-34,570	-18,463	-80	9,741	-10,451	-25,837	-41,318																		
Retire TY GR3 and GR3	-39,517	-75,077	-421,574	-469,682	-439,709																				

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCA
Retire TY GR CR and TCL
Retire TY GR CR and GH4
Retire TY GR CR and MCA
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

New Unit Capital Delta

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCA
Retire TY GR CR and TCL
Retire TY GR CR and GH4
Retire TY GR CR and MCA
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

New Control Capital

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 CR and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCA
Retire TY GR CR and TCL
Retire TY GR CR and GH4
Retire TY GR CR and MCA
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

New Control Capital Delta

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 CR and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCA
Retire TY GR CR and TCL
Retire TY GR CR and GH4
Retire TY GR CR and MCA
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080

MTP Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GR3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

MTP Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GR3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GR3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GR3
- Retire TY GR3 CR and GH1

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Water Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Water Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total Capital Delta

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement LO&M Cost

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				

Retirement LO&M Cost Delta

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				

Existing Unit Exced LO&M

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				

Discount Rate:

	2052	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY GR CR and MC4																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				
Evidence Unit Fixed O&M Delta																				
No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 CR and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR3 CR and CR																				
Retire TY GR CR and CR																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				
New Control Fixed O&M																				
No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 CR and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR CR and CR																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				
New Control Fixed O&M Delta																				
No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 CR and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR CR and CR																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				
Total Revenue Requirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Retirements																				

Station	Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036					
BR	BR1FFP	0	0	3,127	7,278	12,005	12,775	12,123	11,534	10,999	10,472	9,946	9,420	8,894	8,368	7,842	7,316	6,791	6,266	5,741	5,216	4,691	4,166	3,641	3,116	2,591	2,066	1,541	1,016	471			
BR	BR1SAM	0	0	231	521	521	550	522	497	474	452	429	407	384	362	339	316	293	270	247	224	201	178	155	132	109	86	63	40	17			
BR	BR2FFP	0	0	252	3,379	7,865	13,865	13,156	12,514	11,931	11,357	10,783	10,210	9,636	9,062	8,488	7,914	7,340	6,766	6,192	5,618	5,044	4,470	3,896	3,322	2,748	2,174	1,600	926	352	108		
BR	BR2SAM	0	0	231	534	525	553	525	499	476	453	431	408	385	362	340	317	294	271	248	225	202	179	156	133	110	87	64	41	18			
BR	BR3FFP	0	0	204	2,854	7,595	13,437	14,120	13,404	12,757	12,111	11,595	11,019	10,443	9,867	9,290	8,714	8,138	7,562	6,986	6,410	5,834	5,258	4,682	4,106	3,530	2,954	2,378	1,802	1,226	650		
BR	BR3SAM	0	0	64	4,332	10,517	19,154	18,156	17,246	16,412	15,591	14,769	13,948	13,127	12,305	11,484	10,662	9,840	9,018	8,196	7,374	6,552	5,730	4,908	4,086	3,264	2,442	1,620	898	316	134		
GH	GH1FFP	0	0	562	1,006	1,964	2,121	2,010	1,909	1,817	1,726	1,635	1,544	1,453	1,362	1,271	1,180	1,089	1,000	911	822	733	644	555	466	377	288	199	110	21	12		
GH	GH1SAM	0	0	2,787	7,280	15,016	18,298	17,569	16,777	16,055	15,369	14,694	14,020	13,345	12,670	11,995	11,320	10,645	9,970	9,295	8,620	7,945	7,270	6,595	5,920	5,245	4,570	3,895	3,220	2,545	1,870	1,195	
GH	GH2FFP	0	0	11	724	984	891	851	814	779	744	709	674	639	604	569	534	499	464	429	394	359	324	289	254	219	184	149	114	79	44		
GH	GH2SAM	0	0	3,571	8,804	18,270	21,813	20,853	19,901	19,000	18,199	17,366	16,588	15,768	14,947	14,126	13,305	12,484	11,663	10,842	10,021	9,200	8,379	7,558	6,737	5,916	5,095	4,274	3,453	2,632	1,811	1,010	
GH	GH3FFP	0	0	565	1,578	1,695	1,863	1,769	1,691	1,618	1,544	1,471	1,397	1,324	1,250	1,177	1,104	1,031	958	885	812	739	666	593	520	447	374	301	228	155	82		
GH	GH3SAM	0	0	2,843	7,668	14,952	21,319	20,238	19,237	18,361	17,541	16,756	15,984	15,212	14,440	13,668	12,896	12,124	11,352	10,580	9,808	9,036	8,264	7,492	6,720	5,948	5,176	4,404	3,632	2,860	2,088	1,316	
GH	GH4FFP	0	0	527	974	1,948	1,967	1,872	1,786	1,707	1,631	1,555	1,479	1,403	1,328	1,252	1,176	1,100	1,024	948	872	796	720	644	568	492	416	340	264	188	112	36	
GH	GH4SAM	0	0	2,880	7,268	12,372	21,934	21,886	21,601	21,453	21,309	21,165	21,021	20,877	20,733	20,589	20,445	20,301	20,157	20,013	19,869	19,725	19,581	19,437	19,293	19,149	19,005	18,861	18,717	18,573	18,429	18,285	18,141
MC	MC1FFP	0	0	0	0	42	560	1,131	1,232	1,168	1,109	1,055	1,001	948	895	841	788	735	682	629	576	523	470	417	364	311	258	205	152	99	46		
MC	MC1SAM	0	0	2,361	7,270	12,377	23,214	24,770	23,450	22,238	21,119	20,015	18,911	17,806	16,702	15,598	14,494	13,390	12,286	11,182	10,078	8,974	7,870	6,766	5,662	4,558	3,454	2,350	1,246	114	14		
MC	MC2FFP	0	0	1,215	5,051	9,134	18,426	19,666	18,620	17,559	16,772	15,896	15,021	14,145	13,270	12,395	11,519	10,643	9,767	8,891	7,965	7,039	6,113	5,187	4,261	3,335	2,409	1,483	57	0	0	0	
MC	MC2SAM	0	0	646	3,668	6,975	9,472	9,135	8,699	8,295	7,908	7,522	7,135	6,748	6,362	5,975	5,589	5,203	4,817	4,431	4,045	3,659	3,273	2,887	2,501	2,115	1,729	1,343	957	571	185	49	
MC	MC3FFP	0	0	0	0	39	175	207	197	187	179	170	162	154	145	137	128	121	115	111	107	104	100	96	92	88	85	81	78	75	72	69	
MC	MC3SAM	0	0	3,730	8,376	13,896	18,276	17,601	16,757	15,977	15,228	14,480	13,732	12,985	12,237	11,489	10,742	10,050	9,358	8,666	7,974	7,282	6,590	5,898	5,206	4,514	3,822	3,130	2,438	1,746	1,054	362	
MC	MC4FFP	0	0	734	1,992	2,100	1,997	1,901	1,813	1,728	1,642	1,557	1,472	1,387	1,302	1,217	1,132	1,047	962	877	792	707	622	537	452	367	282	197	112	27	0	0	
MC	MC4SAM	0	0	6,987	15,193	21,072	28,573	27,555	26,231	25,008	23,834	22,662	21,491	20,319	19,147	17,976	16,804	15,632	14,460	13,288	12,116	10,944	9,772	8,600	7,428	6,256	5,084	3,912	2,740	1,568	46	0	
MC	MC5FFP	0	0	857	724	688	655	625	596	566	537	508	479	449	420	391	362	333	304	275	246	217	188	159	130	101	72	43	14	0	0	0	
MC	MC5SAM	0	0	5,78	1,620	2,201	2,022	2,123	2,022	1,929	1,839	1,749	1,660	1,570	1,480	1,391	1,301	1,212	1,123	1,034	945	856	767	678	589	500	411	322	233	144	55	0	
CR	CR4FFP	0	0	0	2,200	5,745	11,967	15,834	15,223	14,502	13,838	13,200	12,564	11,927	11,291	10,654	10,018	9,381	8,745	8,109	7,473	6,837	6,201	5,565	4,929	4,293	3,657	3,021	2,385	1,749	1,113	477	
CR	CR4SAM	64	390	2,395	6,163	10,766	16,183	16,627	16,071	15,515	14,959	14,403	13,847	13,291	12,735	12,179	11,623	11,067	10,511	9,955	9,400	8,844	8,288	7,732	7,176	6,620	6,064	5,508	4,952	4,396	3,840	3,284	2,728
CR	CR5FFP	0	0	280	1,715	3,329	5,526	5,216	4,930	4,666	4,421	4,178	3,935	3,692	3,450	3,207	2,964	2,722	2,480	2,238	2,060	1,882	1,704	1,526	1,348	1,170	992	814	636	458	280	102	
CR	CR5SAM	0	0	2,35	3,86	365	345	327	310	293	276	259	242	225	208	195	186	177	168	159	150	140	130	120	110	100	90	80	70	60	50	40	
CR	CR6FFP	0	0	0	259	427	403	381	361	342	323	305	286	267	249	230	216	206	195	185	175	165	155	145	135	125	115	105	95	85	75	65	
CR	CR6SAM	0	0	3,311	14,658	29,304	27,663	26,148	24,742	23,429	22,132	20,835	19,538	18,241	16,944	15,647	14,350	13,053	11,756	10,459	9,162	7,865	6,568	5,271	3,974	2,677	1,380	103	0	0	0	0	
CR	CR7FFP	63	388	2,719	6,475	11,557	10,908	10,308	9,734	9,134	8,208	7,696	7,163	6,570	6,058	5,569	5,080	4,591	4,102	3,613	3,124	2,635	2,146	1,657	1,168	679	190	0	0	0	0	0	
CR	CR7SAM	0	0	300	1,823	3,531	5,992	5,584	5,303	5,054	4,785	4,525	4,265	3,997	3,729	3,461	3,193	2,925	2,657	2,389	2,121	1,853	1,585	1,317	1,049	781	513	245	0	0	0	0	
CR	CR8FFP	0	0	0	0	251	423	399	378	357	338	320	301	282	263	244	225	206	187	168	149	130	111	92	73	54	35	16	0	0	0		
CR	CR8SAM	0	0	3,46	3,887	18,407	35,115	33,170	31,385	29,739	28,213	26,706	25,199	23,692	22,185	20,678	19,171	18,033	17,265	16,496	15,727	14,958	14,190	13,421	12,653	11,885	11,117	10,349	9,581	8,813	8,045	7,277	
CR	CR9FFP	79	1,294	4,201	8,457	14,206	14,689	14,269	13,849	13,429	12,999	12,569	12,139	11,709	11,279	10,849	10,419	9,989	9,559	9,129	8,699	8,269	7,839	7,409	6,979	6,549	6,119	5,689	5,259	4,829	4,399	3,969	3,539
CR	CR9SAM	0	0	394	2,364	4,540	6,848	6,477	6,136	5,819	5,507	5,194	4,882	4,569	4,257	3,944	3,709	3,551	3,393	3,235	3,077	2,919	2,761	2,603	2,445	2,287	2,129	1,971	1,8				

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BRL	5,183	4,991	4,800	4,608	4,417	4,225	4,033	3,842	3,650	3,458	3,267	1,327	0	0	0	0	0	0	0	0	0	0	0
BR	BRL	224	216	208	199	191	183	174	166	158	150	141	57	0	0	0	0	0	0	0	0	0	0	0
BR	BR2	5,535	5,222	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	1,180	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR3	222	213	205	196	187	179	170	162	153	145	47	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR4	6,095	5,893	5,690	5,487	5,284	5,082	4,879	4,676	4,474	4,271	4,068	3,865	3,663	3,460	1,405	0	0	0	0	0	0	0	0
GH	GH1	6,673	6,321	5,969	2,424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH2	738	699	661	268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH3	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,489	253	0
GH	GH4	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	219	207	196	0	0	0	0
GH	GH5	9,669	9,372	9,073	8,777	8,480	8,183	7,886	7,589	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,914	4,617	4,320	4,023	0	0	0
GH	GH6	8,900	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,706	5,416	5,125	4,835	0	0	0	0	0	0	0	0
GH	GH7	8,14	7,86	7,58	730	703	677	650	624	598	571	545	518	492	465	405	21	0	0	0	0	0	0	0
MC	MC1	8,313	7,850	3,188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	6,754	6,377	2,590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	431	407	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC6	3,398	3,214	3,040	2,653	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC7	77	73	69	64	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC8	6,834	6,499	6,165	5,830	4,673	341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC9	691	652	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC10	10,183	9,661	9,139	7,976	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC11	226	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC12	7,069	6,707	6,344	5,537	398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC13	789	748	708	618	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC14	6,171	5,897	5,623	5,349	5,075	4,801	4,186	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	2,050	1,967	1,884	1,800	1,717	1,634	1,550	1,467	1,384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	57	55	52	50	48	46	43	41	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR5	2,615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR6	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1	3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135		
BR	BR2	6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383		
BR	BR3	15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279		
CR	CR4	14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560		
CR	CR5	11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546		
CR	CR6	10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159		
GH	GH1	17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240		
GH	GH2	12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372		
GH	GH3	17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138		
GH	GH4	11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659		
GR	GR3	4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640		
GR	GR4	7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167		
MC	MC1	11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389		
MC	MC2	16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664		
MC	MC3	18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278		
MC	MC4	16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308		
TC	TC1	17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512		
TY	TY3	410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541		

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$:

	Month	Year	Equipment	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	5	2014 PFFF/PAC	790,212	806,016	822,137	838,580	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,550	1,002,180
BR	BR1	5	2014 SAM Mitigation	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR2	4	2014 PFFF/PAC	942,329	961,175	980,399	1,000,007	1,020,007	1,040,407	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101
BR	BR2	4	2014 SAM Mitigation	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR3	5	2015 PFFF/PAC	1,361,002	1,408,622	1,456,795	1,465,530	1,494,841	1,524,778	1,555,233	1,586,337	1,618,064	1,650,425	1,683,434	1,717,103	1,751,445
GH	GH1	5	2014 PFFF/PAC	1,706,194	1,740,318	1,775,124	1,810,627	1,846,839	1,883,776	1,921,452	1,959,881	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867
GH	GH1	5	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	0	2013 SAM Mitigation	2,052,054	2,093,095	2,134,957	2,177,656	2,221,209	2,265,633	2,310,946	2,357,165	2,404,308	2,452,394	2,501,442	2,551,471	2,602,500
GH	GH2	12	2012 Sorbent Injection	132,837	135,494	138,204	140,968	143,787	146,663	149,596	152,588	155,640	158,753	161,928	165,166	168,470
GH	GH3	10	2015 PFFF/PAC	1,667,991	1,721,751	1,756,186	1,791,310	1,827,136	1,863,678	1,900,952	1,938,971	1,977,751	2,017,306	2,057,652	2,098,805	2,140,781
GH	GH3	11	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH3	2	2013 SAM Mitigation	1,694,782	1,667,477	1,700,827	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299
GH	GH4	3	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4	2	2013 SAM Mitigation	-136,405	-139,133	-141,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994
MC	MC1	5	2015 Combined 1&2 FI	1,870,849	1,908,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,831	2,280,547	2,326,158	2,372,681
MC	MC1	5	2015 PFFF/PAC	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC2	4	2015 SAM Mitigation	351,957	358,996	366,176	373,499	380,969	388,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366
MC	MC2	4	2015 Combined 1&2 FI	1,835,456	1,872,165	1,909,608	1,947,801	1,986,757	2,026,492	2,067,022	2,108,362	2,150,529	2,193,540	2,237,411	2,282,159	2,327,802
MC	MC2	4	2015 PFFF/PAC	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC3	11	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	10	2015 PFFF/PAC	1,673,288	1,706,754	1,740,889	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,735	2,039,729	2,080,524	2,122,134
MC	MC3	4	2013 SAM Mitigation	48,588	49,560	50,551	51,562	52,594	53,648	54,718	55,813	56,929	58,068	59,229	60,414	61,622
MC	MC3	4	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	11	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	11	2014 PFFF/PAC	1,961,738	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958
MC	MC4	11	2014 SAM Mitigation	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC4	11	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	1	2015 PFFF/PAC	1,277,465	1,303,015	1,329,075	1,355,656	1,382,269	1,410,425	1,438,633	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135
CR	CR4	1	2016 SCR	2,672,249	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058
CR	CR4	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	1	2016 PFFF	1,701,041	1,735,062	1,769,763	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332
CR	CR4	1	2016 SAM Mitigation	248,515	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177
CR	CR4	1	2016 PAC Injection	241,374	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,233	300,118	306,120
CR	CR5	1	2016 SCR	2,846,495	2,903,425	2,961,493	3,020,723	3,081,137	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044
CR	CR5	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	1	2016 PFFF	1,786,736	1,822,471	1,858,920	1,896,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013
CR	CR5	1	2016 SAM Mitigation	252,800	257,856	263,013	268,273	273,638	279,111	284,693	290,387	296,195	302,119	308,161	314,325	320,611
CR	CR5	1	2016 PAC Injection	245,658	250,572	255,583	260,695	265,909	271,227	276,651	282,184	287,828	293,584	299,456	305,445	311,554
CR	CR6	1	2016 SCR	3,416,365	3,484,692	3,554,386	3,625,474	3,697,983	3,771,943	3,847,382	3,924,330	4,002,816	4,082,872	4,164,530	4,247,820	4,332,777
CR	CR6	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	1	2016 PFFF	2,330,898	2,377,516	2,425,066	2,473,567	2,523,099	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142
CR	CR6	1	2016 SAM Mitigation	282,793	288,449	294,218	300,102	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650
CR	CR6	1	2016 PAC Injection	272,795	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970
GR	GR3	1	2016 SCR	4,744,634	4,839,527	4,936,317	5,035,044	5,135,744	5,238,459	5,343,229	5,450,093	5,559,095	5,670,277	5,783,682	5,899,356	6,017,343
GR	GR3	1	2016 CDS-FF	201,383	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402
GR	GR4	1	2016 SCR	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	1	2016 CDS-FF	6,154,313	6,277,399	6,402,947	6,531,006	6,663,626	6,794,859	6,930,756	7,069,371	7,210,759	7,354,974	7,502,073	7,652,115	7,805,157
GR	GR4	1	2016 PAC Injection	214,237	218,522	222,892	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BR1	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,061	2,147
BR	BR2	167	114	271	423	571	717	860	1,001	1,139	1,275	1,408	1,539	1,667	1,794	1,922	2,052	2,182	2,313	2,446	2,579	2,714	2,850	2,988	3,126	3,266	3,407	3,550
BR	BR3	416	285	675	1,053	1,423	1,786	2,143	2,493	2,838	3,176	3,508	3,834	4,153	4,469	4,789	5,111	5,435	5,762	6,092	6,425	6,761	7,100	7,442	7,787	8,136	8,488	8,843
CR	CR4	155	77	204	327	447	564	678	790	899	1,006	1,109	1,210	1,308	1,405	1,501	1,596	1,691	1,786	1,880	1,974	2,073	2,173	2,274	2,378	2,483	2,589	2,696
CR	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,247	2,354	2,461	2,570	2,681	2,794	2,909
CR	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,028	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,210	3,371	3,539	3,713	3,897	4,084	4,273
GH	GH1	475	510	1,206	1,884	2,548	3,200	3,843	4,477	5,101	5,717	6,322	6,918	7,504	8,080	8,653	9,221	9,814	10,404	10,995	11,594	12,199	12,809	13,425	14,048	14,676	15,311	15,953
GH	GH2	484	520	1,228	1,920	2,596	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,817	9,405	9,999	10,599	11,204	11,814	12,430	13,052	13,680	14,314	14,954	15,601	16,255
GH	GH3	480	516	1,218	1,904	2,575	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,744	9,328	9,917	10,511	11,111	11,716	12,327	12,944	13,567	14,196	14,831	15,472	16,121
GH	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,896	10,481	11,081	11,691	12,312	12,937	13,568	14,204	14,846	15,494	16,147
GR	GR3	68	39	96	151	205	258	309	360	410	458	506	553	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247
GR	GR4	95	55	134	211	286	360	432	503	572	640	707	772	836	899	962	1,026	1,089	1,153	1,217	1,282	1,347	1,412	1,477	1,543	1,609	1,675	1,742
MC	MC1	309	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,582	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,277	9,651	10,027
MC	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,194	5,555	5,916	6,279	6,642	7,007	7,373	7,739	8,106	8,475	8,845	9,216	9,588	9,961
MC	MC3	391	398	989	1,565	2,128	2,680	3,222	3,755	4,278	4,792	5,296	5,790	6,274	6,747	7,216	7,685	8,156	8,628	9,102	9,576	10,052	10,530	11,009	11,489	11,971	12,455	12,940
MC	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,464	7,064	7,654	8,233	8,803	9,376	9,950	10,526	11,103	11,683	12,265	12,849	13,435	14,016	14,604	15,194	15,786
TC	TC1	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,286	3,431	3,577
TC	TC2	549	166	386	602	813	1,021	1,225	1,427	1,626	1,823	2,016	2,207	2,394	2,579	2,762	2,948	3,136	3,325	3,517	3,710	3,906	4,104	4,304	4,506	4,711	4,918	5,127
TY	TY	71	94	233	368	499	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017

2.50% Capital Escalation Rate

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036				
2011 CR		281		454	428	405	384	364	344	325	305	285	266	246	231	221	211	200	190	180	169	0	0	0	0	0	0	0				
2012 CR			288		465	439	415	394	373	353	333	313	293	272	252	237	226	216	205	195	184	174	0	0	0	0	0	0	0			
2013 CR				295		477	450	426	403	382	362	341	321	300	279	259	243	232	221	210	200	189	178	0	0	0	0	0	0			
2014 CR					303		489	461	436	413	392	371	350	329	307	286	265	249	238	227	216	206	194	182	0	0	0	0	0			
2015 CR						310		501	473	447	424	402	380	358	337	315	293	272	255	244	232	221	210	198	187	0	0	0	0			
2016 CR							318		513	485	459	434	412	390	367	345	323	301	279	262	250	238	227	215	203	192	0	0	0			
2017 CR								326		526	497	470	445	422	399	376	354	331	308	286	268	256	244	232	220	208	196	0	0			
2018 CR									334		539	509	482	456	433	409	386	363	339	316	293	275	263	250	238	226	214	201	0			
2019 CR										342		553	522	494	468	444	420	396	372	348	324	300	282	269	257	244	232	219	0			
2020 CR											351		567	535	506	479	455	430	406	381	357	332	307	289	276	263	250	237	0			
2021 CR												360		581	548	519	491	466	441	416	391	365	340	315	296	283	270	256	0			
2022 CR													369		595	562	532	504	478	452	426	400	375	349	323	303	290	276	0			
2023 CR														378		610	575	545	516	490	463	437	410	384	358	331	311	297	0			
2024 CR															387		625	591	559	529	502	475	448	421	394	366	339	319	0			
2025 CR																397		641	605	573	542	514	487	459	431	403	376	348	0			
2026 CR																	407		657	621	587	556	527	499	470	442	413	385	0			
2027 CR																		417		673	636	602	570	541	511	482	453	424	0			
2028 CR																			428		690	652	617	584	554	524	494	464	0			
2029 CR																				438		708	668	632	599	568	537	506	0			
2030 CR																					449		725	685	648	614	582	551	0			
2031 CR																						461		743	702	664	629	596	0			
2032 CR																							472		762	720	681	645	0			
2033 CR																								484		781	738	698	0			
2034 CR																									496		800	756	0			
2035 CR																										508		820	776	0		
2036 CR																											518		840	796	0	
2037 CR																												528		860	816	0
2038 CR																												538		880	836	0
2039 CR																												548		900	856	0
2040 CR																												558		920	876	0
2041 MC		1,499	2,188	2,076	1,972	1,877	1,788	1,703	1,626	1,552	1,477	1,407	1,341	1,276	1,216	1,163	1,116	1,075	1,035	994	951	891	851	812	772	733	693	654				
2042 MC			1,536	2,243	2,128	2,021	1,923	1,833	1,745	1,658	1,570	1,483	1,395	1,308	1,221	1,157	1,116	1,075	1,035	994	954	894	854	812	772	733	693	654				
2043 MC				1,575	2,299	2,181	2,072	1,978	1,889	1,799	1,709	1,619	1,529	1,440	1,351	1,287	1,246	1,205	1,165	1,125	1,085	1,045	1,005	965	925	885	845	805	765			
2044 MC					1,614	2,357	2,235	2,124	2,021	1,925	1,834	1,742	1,650	1,55																		

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036												
2029 MC																																								
2030 MC																																								
2031 MC																																								
2032 MC																																								
2033 MC																																								
2034 MC																																								
2035 MC																																								
2036 MC																																								
2037 MC																																								
2038 MC																																								
2039 MC																																								
2040 MC																																								
2041 TC			281	368	350	333	318	304	291	278	264	251	238	225	211	203	198	193	189	184	179	175	170	165	161	156	152	147												
2042 TC				288	377	358	341	326	312	298	284	271	257	244	230	217	208	203	198	193	188	184	179	174	170	165	160	155												
2043 TC					295	387	367	350	334	319	305	292	278	264	250	236	222	213	208	203	198	193	188	184	179	174	169	164												
2044 TC						303	396	376	359	342	327	313	299	285	270	256	242	228	218	213	208	203	198	193	188	183	178	173												
2045 TC							310	406	386	368	351	336	321	305	292	277	263	248	233	224	218	213	208	203	198	193	188	183												
2046 TC								318	416	396	377	360	344	329	314	299	284	269	254	239	229	224	219	213	208	203	198	192												
2047 TC									326	427	405	386	369	353	337	322	307	291	276	261	245	235	230	224	219	213	208	203												
2048 TC										334	437	416	396	378	361	346	330	314	297	281	264	254	241	235	230	224	219	213												
2049 TC											342	448	426	406	387	370	354	338	322	306	290	274	258	247	241	235	230	224												
2050 TC												351	460	437	416	397	380	363	347	331	315	297	281	264	253	241	236	230												
2051 TC													360	471	447	426	407	389	372	355	338	321	305	288	271	259	253	247												
2052 TC														369	483	459	437	417	399	381	364	347	329	312	295	277	266	260												
2053 TC																485	470	448	427	409	391	373	355	338	320	302	284	272												
2054 TC																	507	482	459	438	419	401	383	364	346	328	310	292												
2055 TC																		499	474	449	429	411	392	373	355	336	317	302												
2056 TC																			494	470	449	429	411	392	373	355	336	317												
2057 TC																				494	470	449	429	411	392	373	355	336	317											
2058 TC																					494	470	449	429	411	392	373	355	336	317										
2059 TC																						494	470	449	429	411	392	373	355	336	317									
2060 TC																							494	470	449	429	411	392	373	355	336	317								
2061 TC																								494	470	449	429	411	392	373	355	336	317							
2062 TC																									494	470	449	429	411	392	373	355	336	317						
2063 TC																										494	470	449	429	411	392	373	355	336	317					
2064 TC																											494	470	449	429	411	392	373	355	336	317				
2065 TC																												494	470	449	429	411	392	373	355	336	317			
2066 TC																													494	470	449	429	411	392	373	355	336	317		
2067 TC																														494	470	449	429	411	392	373	355	336	317	
2068 TC																															494	470	449	429	411	392	373	355	336	317
2069 TC																															494	470	449	429	411	392	373	355	336	317
2070 TC																															494	470	449	429	411	392	373	355	336	317
2071 TC																															494	470	449	429	411	392	373	355	336	317
2072 TC																															494	470	449	429	411	392	373	355	336	317
2073 TC																															494	470	449	429	411	392	373	355	336	317
2074 TC																															494	470	449	429	411	392	373	355	336	317
2075 TC																															494	470	449	429	411	392	373	355	336	317
2076 TC																															494	470	449	429	411	392	373	355	336	317
2077 TC																															494	470	449	429	411	392	373	355	336	317
2078 TC																															494	470	449	429	411	392	373	355	336	317
2079 TC																															494	470	449	429	411	392	373	355	336	317
2080 TC																															494	470	449	429	411	392	373	355	336	317
2081 TC																															494	470	449	429	411	392	373	355	336	317
2082 TC																															494	470	449	429	411	392	373	355	336	317
2083 TC																															494	470	449	429	411	392	373	355	336	317
2084 TC																															494	470	449	429	411	392	373	355	336	317
2085 GH																															494	470	449	429	411	392	373	355	336	317
2086 GH																															494	470	449	429	411	392	373	355	336	317
2087 GH																															494	470	449	429	411	392	373	355	336	317
2088 GH																															494	470	449	429	411	392	373	355	336	317
2089 GH																															494	470	449	429	411	392	373	355	336	317
2090 GH																															494	470	449	429	411	392	373	355	336	317
2091 GH																															494	470	449	429	411	392	373			

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
2040	GH																												
2011	BR	468	629	595	565	538	513	489	464	440	415	391	367	350	341	332	323	315	306	297	288	279	271	262	253	244	235		
2012	BR		480	645	661	625	594	565	539	513	488	462	436	411	385	358	349	341	332	323	313	304	295	286	277	268	259	250	
2013	BR			492	304	677	641	609	579	552	526	500	474	447	421	395	377	367	358	348	339	329	320	310	301	291	282	273	
2014	BR					517	694	712	674	639	608	580	553	525	498	470	442	415	396	376	356	336	316	296	276	256	236	216	
2015	BR						590	543	557	748	708	672	639	610	581	552	523	494	465	436	406	376	346	316	286	256	226	206	
2016	BR										766	725	688	655	625	595	566	536	506	476	446	416	386	356	326	296	266	236	
2017	BR											585	548	515	485	455	425	395	365	335	305	275	245	215	185	155	125	95	
2018	BR												600	565	535	505	475	445	415	385	355	325	295	265	235	205	175	145	
2019	BR													615	585	555	525	495	465	435	405	375	345	315	285	255	225	195	
2020	BR														630	600	570	540	510	480	450	420	390	360	330	300	270	240	
2021	BR															646	616	586	556	526	496	466	436	406	376	346	316	286	
2022	BR																662	632	602	572	542	512	482	452	422	392	362	332	
2023	BR																	678	648	618	588	558	528	498	468	438	408	378	
2024	BR																		695	665	635	605	575	545	515	485	455	425	
2025	BR																			713	683	653	623	593	563	533	503	473	
2026	BR																				725	695	665	635	605	575	545	515	
2027	BR																					731	701	671	641	611	581	551	
2028	BR																						743	713	683	653	623	593	
2029	BR																							743	713	683	653	623	
2030	BR																								743	713	683	653	
2031	BR																									743	713	683	
2032	BR																										743	713	
2033	BR																										743	713	
2034	BR																										743	713	
2035	BR																										743	713	
2036	BR																										743	713	
2037	BR																										743	713	
2038	BR																										743	713	
2039	BR																										743	713	
2040	BR																										743	713	
2041	GR		134	127	120	114	108	103	98	92	87	81	76	72	70	68	65	63	61	58	56	54	52	49	47	45	42		
2042	GR		96	137	130	123	117	111	106	100	95	89	83	78	74	72	69	67	65	62	60	58	56	53	51	48	46	44	
2043	GR			98	141	133	126	120	114	108	103	97	91	86	80	76	73	71	69	66	64	62	60	57	54	52	49	47	
2044	GR				101	144	136	129	123	117	111	105	99	94	88	82	78	75	73	70	68	65	63	61	58	56	53	51	
2045	GR					103	148	140	132	126	120	114	108	102	96	90	84	80	77	75	72	70	67	65	62	60	57	55	
2046	GR						106	151	143	136	129	123	117	111	104	98	92	86	82	79	77	74	71	69	66	64	61	59	
2047	GR							109	155	147	139	132	126	120	113	107	101	94	88	84	81	78	76	73	70	68	65	63	
2048	GR								111	159	150	143	135	129	123	116	110	103	97	90	86	83	80	78	75	72	70	68	
2049	GR									114	163	154	146	139	132	126	119	112	106	99	93	88	85	82	80	77	74	72	
2050	GR										117	167	158	150	142	135	129	122	115	108	102	95	90	87	84	82	79	77	
2051	GR											120	171	162	154	146	139	132	125	118	111	104	97	92	90	87	84	82	
2052	GR												123	176	166	157	150	142	135	128	121	114	107	100	95	92	89	87	
2053	GR													126	180	170	161	153	146	139	131	124	117	110	102	97	94	92	
2054	GR														129	184	174	165	157	150	142	135	127	120	112	105	100	100	
2055	GR															132	189	179	169	161	153	146	138	130	123	115	107	100	
2056	GR																136	193	183	174	165	157	149	141	134	126	118	111	
2057	GR																	139	199	188	178	169	161	153	145	137	129	121	
2058	GR																		143	204	193	183	173	165	157	149	140	132	
2059	GR																			146	209	197	187	178	169	161	152	144	
2060	GR																				150	214	202	192	182	173	165	157	
2061	GR																					154	219	207	197	187	178	170	
2062	GR																						157	225	212	201	191	181	
2063	GR																							161	225	212	201	191	
2064	GR																								161	225	212	201	
2065	GR																									165	236	223	
2066	GR																										169	242	
2067	GR																											174	
2068	GR																												174
2069	GR																												174
2070	GR																												174

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
	2021 TY												120	175	165	157	149	141	134	127	120	113	106	99	93	90	87	84	
	2022 TY			123																									
	2023 TY				126																								
	2024 TY					129																							
	2025 TY						132																						
	2026 TY							136																					
	2027 TY								139																				
	2028 TY									143																			
	2029 TY										146																		
	2030 TY											150																	
	2031 TY												154																
	2032 TY													157															
	2033 TY														161														
	2034 TY															165													
	2035 TY																169												
	2036 TY																	169											
	2037 TY																		169										
	2038 TY																			169									
	2039 TY																				169								
	2040 TY																					169							

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	2,234	2,322	2,411	2,501	2,446	2,340	2,239	2,145	2,055	1,969	1,887	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,839	3,986	4,135	4,045	3,868	3,703	3,546	3,397	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR	BR3	416	9,702	9,564	9,930	10,300	10,076	9,636	9,223	8,833	8,463	8,109	7,689	7,289	6,910	6,553	6,218	5,906	5,607	5,312	5,021	4,733	4,450	4,171	3,897
CR	CR4	155	2,405	2,465	2,526	2,589	2,492	2,292	2,128	1,971	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR	CR5	168	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,082	1,883	1,713	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103	0
CR	CR6	240	3,723	3,816	3,912	4,009	3,888	3,589	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	623	459	301	148	0
GH	GH1	475	16,601	17,256	17,918	18,587	17,419	16,688	15,994	15,334	14,702	14,098	13,528	12,997	12,501	12,039	11,601	11,189	10,806	10,456	10,136	9,845	9,583	9,346	9,128
GH	GH2	484	16,915	17,583	18,257	18,939	17,749	17,004	16,297	15,624	14,981	14,365	13,782	13,230	12,707	12,211	11,741	11,295	10,872	10,471	10,092	9,734	9,405	9,105	8,833
GH	GH3	480	16,775	17,437	18,106	18,782	18,384	17,602	16,863	16,163	15,495	14,857	14,246	13,661	13,100	12,561	12,048	11,559	11,094	10,652	10,231	9,831	9,450	9,097	8,761
GH	GH4	479	16,741	17,401	18,069	18,743	18,346	17,565	16,828	16,129	15,463	14,826	14,217	13,632	13,071	12,531	12,011	11,511	11,025	10,553	10,101	9,669	9,257	8,864	8,491
GR	GR3	68	1,395	1,343	1,377	1,411	1,364	1,281	1,203	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373	331
GR	GR4	95	1,609	1,676	1,723	1,771	1,706	1,620	1,544	1,476	1,416	1,360	1,288	1,201	1,118	1,040	967	888	832	767	704	641	580	521	462
MC	MC1	303	10,278	10,353	10,798	11,068	10,698	10,020	9,375	8,758	8,166	7,598	7,053	6,531	6,033	5,559	5,110	4,687	4,280	3,910	3,538	3,173	2,817	2,468	2,128
MC	MC2	301	10,210	10,465	10,727	10,995	10,627	9,954	9,303	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,262	3,884	3,515	3,152	2,798	2,452	2,114
MC	MC3	391	13,263	13,595	13,934	14,283	13,805	12,951	12,097	11,301	10,538	9,805	9,102	8,428	7,785	7,174	6,595	6,048	5,536	5,046	4,585	4,095	3,635	3,185	2,746
MC	MC4	477	16,180	16,585	16,999	17,424	16,841	15,775	14,758	13,787	12,856	11,962	11,104	10,282	9,498	8,752	8,045	7,379	6,754	6,156	5,570	4,996	4,434	3,886	3,350
TC	TC1	383	3,725	3,675	3,625	3,575	3,426	3,271	3,117	2,963	2,808	2,654	2,501	2,349	2,198	2,048	1,899	1,752	1,606	1,462	1,319	1,177	1,036	896	756
TC	TC2	549	5,339	5,554	5,771	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,618	4,445	4,280	4,125	3,980	3,802	3,636	3,476	3,319	3,163	3,009	2,857	2,706
TY	TY5	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749	646

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2029	MC	142	138	133	128	122	119	114	110	105	101	96	91	87	82	77	72	67	62	57	52	47	42	37	
2030	MC	151	146	141	136	132	127	122	117	113	108	103	98	94	89	84	79	74	69	64	59	54	49	44	
2031	MC	159	154	149	145	140	135	130	125	120	115	111	106	101	96	91	86	81	76	71	66	61	56	51	
2032	MC	168	163	158	153	148	143	138	133	128	123	118	113	108	103	98	93	88	83	78	73	68	63	58	
2033	MC	178	172	167	162	157	152	147	142	137	132	127	122	117	112	107	102	97	92	87	82	77	72	67	
2034	MC	187	182	177	171	166	161	156	150	145	140	135	130	124	119	114	109	103	98	93	88	83	78	73	
2035	MC	197	192	187	181	176	170	165	160	154	149	144	138	133	127	122	117	111	106	101	96	91	86	81	
2036	MC	208	202	197	191	186	180	175	169	164	158	153	147	142	136	131	125	120	114	109	103	98	92	87	
2037	MC	219	213	207	202	196	190	185	179	173	168	162	156	151	145	139	134	128	123	117	111	106	100	94	
2038	MC	230	224	218	212	207	201	195	189	183	178	172	166	160	154	148	143	137	131	126	120	114	108	102	
2039	MC	241	236	230	224	218	212	206	200	194	188	182	176	170	164	158	152	146	140	134	128	122	116	110	
2040	MC	254	248	241	235	229	223	217	211	205	199	193	187	181	175	169	163	157	151	145	139	133	127	121	
2041	MC	266	260	254	247	241	235	229	223	216	210	204	198	191	185	179	173	167	161	155	149	143	137	131	
2042	MC	279	273	266	260	254	247	241	234	228	222	215	209	203	196	190	183	177	171	164	158	152	146	140	
2043	MC	299	286	280	273	267	260	253	247	240	234	227	221	214	208	201	194	188	181	175	168	162	155	149	
2044	MC	325	306	299	287	280	273	266	260	253	246	240	233	226	219	213	206	199	193	186	179	173	166	159	
2045	MC	353	334	314	301	294	287	280	273	266	259	253	246	239	232	225	218	211	204	197	191	184	177	170	
2046	MC	382	362	342	322	308	301	294	287	280	273	266	259	252	245	238	231	224	217	209	202	195	188	181	
2047	MC	412	392	371	350	330	316	309	301	294	287	280	273	265	258	251	244	236	229	222	215	207	200	193	
2048	MC	444	423	401	380	359	338	324	316	309	302	294	287	279	272	265	257	250	242	235	227	220	213	205	
2049	MC	476	455	433	411	390	368	347	332	324	317	309	302	294	286	279	271	264	256	248	241	233	226	218	
2050	MC	511	488	466	444	422	400	377	355	340	332	325	317	309	301	293	285	277	269	261	253	245	237	229	
2051	MC	547	523	501	478	455	432	410	387	364	349	341	333	325	317	309	301	293	285	277	269	261	253	245	
2052	MC	588	561	536	513	490	466	443	420	396	373	357	341	333	325	317	308	300	292	284	276	267	259	251	
2053	MC	632	602	575	550	526	502	478	454	430	406	382	366	358	350	341	333	324	315	307	299	291	283	274	
2054	MC	682	648	617	589	564	539	515	490	466	441	417	392	376	367	358	350	341	333	324	315	307	298	290	
2055	MC	734	699	664	633	604	578	553	527	502	477	452	427	402	385	376	367	358	350	341	332	323	314	306	
2056	MC	786	751	717	681	648	619	592	566	541	515	489	463	438	420	402	395	386	376	367	358	349	340	332	
2057	MC	838	803	769	733	698	665	634	607	580	554	528	501	475	449	422	404	395	386	377	367	358	349	340	
2058	MC	890	855	821	785	750	717	681	650	622	595	568	541	514	487	460	433	414	405	396	386	377	367	358	
2059	MC	942	907	873	837	802	767	732	700	672	645	618	591	564	537	510	483	456	429	402	375	348	321	294	
2060	MC	994	959	925	889	854	819	784	750	722	695	668	641	614	587	560	533	506	479	452	425	398	371	344	
2061	MC	1046	1011	977	941	905	869	833	800	772	745	718	691	664	637	610	583	556	529	502	475	448	421	394	
2062	MC	1098	1063	1029	993	957	921	885	850	822	795	768	741	714	687	660	633	606	579	552	525	498	471	444	
2063	MC	1150	1115	1081	1045	1009	973	937	901	865	829	793	757	721	685	649	613	577	541	505	469	433	397	361	
2064	MC	1202	1167	1133	1097	1061	1025	989	953	917	881	845	809	773	737	701	665	629	593	557	521	485	449	413	
2065	MC	1254	1219	1185	1149	1113	1077	1041	1005	969	933	897	861	825	789	753	717	681	645	609	573	537	501	465	
2066	MC	1306	1271	1237	1201	1165	1129	1093	1057	1021	985	949	913	877	841	805	769	733	697	661	625	589	553	517	
2067	MC	1358	1323	1289	1253	1217	1181	1145	1109	1073	1037	999	963	927	891	855	819	783	747	711	675	639	603	567	
2068	MC	1410	1375	1341	1305	1269	1233	1197	1161	1125	1089	1053	1017	981	945	909	873	837	801	765	729	693	657	621	
2069	MC	1462	1427	1393	1357	1321	1285	1249	1213	1177	1141	1105	1069	1033	997	961	925	889	853	817	781	745	709	673	
2070	MC	1514	1479	1445	1409	1373	1337	1301	1265	1229	1193	1157	1121	1085	1049	1013	977	941	905	869	833	797	761	725	
2071	MC	1566	1531	1497	1461	1425	1389	1353	1317	1281	1245	1209	1173	1137	1101	1065	1029	993	957	921	885	849	813	777	
2072	MC	1618	1583	1549	1513	1477	1441	1405	1369	1333	1297	1261	1225	1189	1153	1117	1081	1045	1009	973	937	901	865	829	
2073	MC	1670	1635	1601	1565	1529	1493	1457	1421	1385	1349	1313	1277	1241	1205	1169	1133	1097	1061	1025	989	953	917	881	
2074	MC	1722	1687	1653	1617	1581	1545	1509	1473	1437	1401	1365	1329	1293	1257	1221	1185	1149	1113	1077	1041	1005	969	933	
2075	MC	1774	1739	1705	1669	1633	1597	1561	1525	1489	1453	1417	1381	1345	1309	1273	1237	1201	1165	1129	1093	1057	1021	985	
2076	MC	1826	1791	1757	1721	1685	1649	1613	1577	1541	1505	1469	1433	1397	1361	1325	1289	1253	1217	1181	1145	1109	1073	1037	
2077	MC	1878	1843	1809	1773	1737	1701	1665	1629	1593	1557	1521	1485	1449	1413	1377	1341	1305	1269	1233	1197	1161	1125	1089	
2078	MC	1930	1895	1861	1825	1789	1753	1717	1681	1645	1609	1573	1537	1501	1465	1429	1393	1357	1321	1285	1249	1213	1177	1141	
2079	MC	1982	1947	1913	1877	1841	1805	1769	1733	1697	1661	1625	1589	1553	1517	1481	1445	1409	1373	1337	1301	1265	1229	1193	
2080	MC	2034	1999	1965	1929	1893	1857	1821	1785	1749	1713	1677	1641	1605	1569	1533	1497	1461	1425	1389	1353	1317	1281	1245	
2081	MC	2086	2051	2017	1981	1945	1909	1873	1837	1801	1765	1729	1693	1657	1621	1585	1549	1513	1477	1441	1405	1369	1333	1297	
2082	MC	2138	2103	2069	2033	1997	1961	1925	1889	1853	1817	1781	1745	1709	1673	1637	1601	1565	1529	1493	1457	1421	1385	1349	
2083	MC	2190	2155	2121	2085	2049	2013	1977	1941	1905	1869	1833	1797	1761	1725	1689	1653	1617	1581	1545	1509	1473	1437	1401	
2084	MC	2242	2207	2173	2137	2101	2065	2029	1993	1957	1921	1885	1849	1813	1777	1741	1705	1669	1633	1597	1561	1525	1489	1453	
2085	MC	2294	2259	2225	2189	2153	2117	2081	2045	2009	1973	1937	1901	1865	1829	1793	1757	1721	1685	1649	1613	1577	1541	1505	
2086	MC	2346	2311	2277	2241	2205	2169	2133	2097	2061	2025														

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2010 BR	2040 GH																								
2011 BR			216	218	209	200	4,218	5,639	5,099	4,864	4,649	4,443	4,236	4,030	3,824	3,618	3,412	3,206	3,055	2,987	2,910	2,833	2,755	2,678	2,601
2012 BR			241	232	223	214	205	196	187	178	169	160	151	0	0	0	0	0	0	0	0	0	0	0	0
2013 BR			256	247	238	229	219	210	201	191	182	173	164	154	0	0	0	0	0	0	0	0	0	0	0
2014 BR			272	263	253	244	234	225	215	206	196	187	177	168	158	0	0	0	0	0	0	0	0	0	0
2015 BR			289	279	269	260	250	240	230	221	211	201	191	182	172	162	152	142	132	122	112	102	92	82	72
2016 BR			306	296	286	276	266	256	246	236	226	216	206	196	186	176	166	156	146	136	126	116	106	96	86
2017 BR			324	314	303	293	283	273	263	253	243	233	223	213	203	193	183	173	163	153	143	133	123	113	103
2018 BR			343	332	321	311	301	290	280	270	260	250	240	230	220	210	200	190	180	170	160	150	140	130	120
2019 BR			362	351	340	330	319	308	297	287	276	265	254	244	233	222	211	201	190	179	168	157	146	135	124
2020 BR			382	371	360	349	338	327	316	305	294	283	272	261	250	239	228	217	206	195	184	173	162	151	140
2021 BR			403	391	380	369	358	346	335	324	312	301	290	278	267	256	245	233	222	211	199	188	177	166	155
2022 BR			424	413	401	390	378	367	355	343	332	320	309	297	285	274	262	251	239	228	216	204	193	182	171
2023 BR			447	435	423	411	399	388	376	364	352	340	328	316	304	293	281	269	257	245	233	221	209	198	187
2024 BR			470	458	446	434	422	409	397	385	373	361	349	337	324	312	300	288	276	263	251	239	227	215	203
2025 BR			495	482	470	457	445	432	420	407	395	382	370	357	345	332	320	308	295	282	270	257	245	233	220
2026 BR			511	507	494	481	469	456	443	430	417	405	392	379	366	353	341	328	315	302	290	277	264	251	238
2027 BR			530	525	511	500	488	475	462	449	436	423	410	397	384	371	358	345	332	319	306	293	280	267	254
2028 BR			548	543	529	518	506	493	480	467	454	441	428	415	402	388	375	362	349	336	323	310	297	284	271
2029 BR			562	557	543	532	520	507	494	481	468	455	442	429	416	403	390	377	364	351	338	325	312	299	286
2030 BR			578	572	558	547	535	522	509	496	483	470	457	444	431	418	405	392	379	366	353	340	327	314	301
2031 BR			592	586	572	561	549	536	523	510	497	484	471	458	445	432	419	406	393	380	367	354	341	328	315
2032 BR			606	600	586	575	562	549	536	523	510	497	484	471	458	445	432	419	406	393	380	367	354	341	328
2033 BR			620	614	600	589	576	563	550	537	524	511	498	485	472	459	446	433	420	407	394	381	368	355	342
2034 BR			634	628	614	603	590	577	564	551	538	525	512	499	486	473	460	447	434	421	408	395	382	369	356
2035 BR			648	642	628	617	604	591	578	565	552	539	526	513	500	487	474	461	448	435	422	409	396	383	370
2036 BR			662	656	642	631	618	605	592	579	566	553	540	527	514	501	488	475	462	449	436	423	410	397	384
2037 BR			676	670	656	645	632	619	606	593	580	567	554	541	528	515	502	489	476	463	450	437	424	411	398
2038 BR			690	684	670	659	646	633	620	607	594	581	568	555	542	529	516	503	490	477	464	451	438	425	412
2039 BR			704	698	684	673	660	647	634	621	608	595	582	569	556	543	530	517	504	491	478	465	452	439	426
2040 BR			718	712	698	687	674	661	648	635	622	609	596	583	570	557	544	531	518	505	492	479	466	453	440
2041 BR			732	726	712	701	688	675	662	649	636	623	610	597	584	571	558	545	532	519	506	493	480	467	454
2042 BR			746	740	726	715	702	689	676	663	650	637	624	611	598	585	572	559	546	533	520	507	494	481	468
2043 BR			760	754	740	729	716	703	690	677	664	651	638	625	612	599	586	573	560	547	534	521	508	495	482
2044 BR			774	768	754	743	730	717	704	691	678	665	652	639	626	613	600	587	574	561	548	535	522	509	496
2045 BR			788	782	768	757	744	731	718	705	692	679	666	653	640	627	614	601	588	575	562	549	536	523	510
2046 BR			802	796	782	771	758	745	732	719	706	693	680	667	654	641	628	615	602	589	576	563	550	537	524
2047 BR			816	810	796	785	772	759	746	733	720	707	694	681	668	655	642	629	616	603	590	577	564	551	538
2048 BR			830	824	810	799	786	773	760	747	734	721	708	695	682	669	656	643	630	617	604	591	578	565	552
2049 BR			844	838	824	813	800	787	774	761	748	735	722	709	696	683	670	657	644	631	618	605	592	579	566
2050 BR			858	852	838	827	814	801	788	775	762	749	736	723	710	697	684	671	658	645	632	619	606	593	580
2051 BR			872	866	852	841	828	815	802	789	776	763	750	737	724	711	698	685	672	659	646	633	620	607	594
2052 BR			886	880	866	855	842	829	816	803	790	777	764	751	738	725	712	699	686	673	660	647	634	621	608
2053 BR			900	894	880	869	856	843	830	817	804	791	778	765	752	739	726	713	700	687	674	661	648	635	622
2054 BR			914	908	894	883	870	857	844	831	818	805	792	779	766	753	740	727	714	701	688	675	662	649	636
2055 BR			928	922	908	897	884	871	858	845	832	819	806	793	780	767	754	741	728	715	702	689	676	663	650
2056 BR			942	936	922	911	898	885	872	859	846	833	820	807	794	781	768	755	742	729	716	703	690	677	664
2057 BR			956	950	936	925	912	899	886	873	860	847	834	821	808	795	782	769	756	743	730	717	704	691	678
2058 BR			970	964	950	939	926	913	900	887	874	861	848	835	822	809	796	783	770	757	744	731	718	705	692
2059 BR			984	978	964	953	940	927	914	901	888	875	862	849	836	823	810	797	784	771	758	745	732	719	706
2060 BR			998	992	978	967	954	941	928	915	902	889	876	863	850	837	824	811	798	785	772	759	746	733	720
2061 BR			1,012	1,006	992	981	968	955	942	929	916	903	890	877	864	851	838	825	812	799	786	773	760	747	734
2062 BR			1,026	1,020	1,006	995	982	969	956	943	930	917	904	891	878	865	852	839	826	813	800	787	774	761	748
2063 BR			1,040	1,034	1,020	1,009	996	983	970	957	944	931	918	905	892	879	866	853	840	827	814	801	788	775	762
2064 BR			1,054	1,048	1,034	1,023	1,010	997	984	971	958	945	932	919	906	893	880	867	854	841	828	815	802	789	776
2065 BR			1,068	1,062	1,048	1,037	1,024	1,011	998	985	972	959	946	933	920	907	894	881	868	855	842	829	816	803	790
2066 BR			1,082	1,076	1,062	1,051	1,038	1,025	1,012	999	986	973	960	947	934	921	908	895	882	869	856	843	830	817	804
2067 BR			1,096	1,090	1,076	1,065	1,052	1,039	1,026	1,013	1,000	987	974	961	948	935	922	909	896	883	870	857	844	831	818
2068 BR			1,110	1,104	1,090	1,079	1,066	1,053	1,040	1,027	1,014	1,001													

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY		182	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99	106
	2039 TY		187	287	273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106	114
	2040 TY			192	192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114	

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319	
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180	
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431	
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810	
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962	
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960	
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439	
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732	
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602	
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569	
GR	GR3	68																		
GR	GR4	95																		
MC	MC1	303																		
MC	MC2	301																		
MC	MC3	391																		
MC	MC4	477																		
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596	
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721	
TY	TY3	71																		
	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372	
	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426	
	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132	
	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513	
	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061	
	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158	
	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397	
	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944	
	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318	

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,820	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR	Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
BR	Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
BR	Landfill O&M Savings		4,256	4,384	4,515	4,651									
CR	Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
CR6	Stator O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
CR6	Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
GH	Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
GH	Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
TC	Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
TC	Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BH1	101	0	0	0	553	743	703	668	695	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	805	770	735	699	663	627	591	0	0	0	0
CR	CR5	168	0	0	0	1,052	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	795	757	718	679	640	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,052	1,008	962	915	868	821	0	0	0	0
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,055	1,028	1,000	973	946	918	891	864	837
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828
GR	GR3	68	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431
MC	MC1	303	0	0	0	1,215	1,774	1,682	1,598	1,521	1,449	1,380	1,311	1,242	1,173	1,103	1,034	965	915	882	850	818	786	754	722	690	658	626
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808
MC	MC4	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986
TC	TC1	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632
TY	TY3	71	0	0	0	566	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309

BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094
CRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	0	0	0	0
MCWATER			0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041
TGWATER			0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,256	1,227	1,196	1,165	1,134	1,103	1,072
GHWATER			0	0	0	5,902	7,892	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315
GRWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,063	1,049	1,015	980	946	912	877	843	809	774	740

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	585	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL	303	594	562	530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	200	187	174	161	148
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	286	268	250	232	214
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BRWATER	2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0	0
CRWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER	2,886	2,790	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER	1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	485	454	423	392	361	330	300
GRWATER	3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	1,693	1,585	1,477	1,369	1,261	1,153	1,045	937	829	721	613
GRWATER	706	671	637	603	568	533	500	466	432	398	364	330	296	262	228	194	160	126	92	58	24	0	0	0	0

Retiree	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retiree TV GR3 CR and G4	0	0	10,381	160,952	37,900	36,221	-8,103	-7,173	-6,771	-6,405	-6,184	-6,050	-5,985	-5,901	-5,806	-3,729	10,249	25,218	36,142	39,663	32,946	-9,926	
Retiree TV GR and CR	0	0	5,191	83,075	21,756	-32,092	-26,524	4,042	36,607	60,170	19,499	16,845	16,845	52,447	63,836	53,904	-1	-50,524	-69,017	-15,165	50,597	407,400	
Retiree TV GR3 CR and MC4	2,680	0	10,381	160,952	37,900	36,221	-8,103	-7,173	-6,771	-6,405	-6,184	-6,050	-5,985	-5,901	-5,806	-3,729	10,249	25,218	36,142	39,663	32,946	407,400	
Retiree TV GR CR and TCI	3,048	0	10,381	160,952	37,900	36,221	-8,103	-7,173	-6,771	-6,405	-6,184	-6,050	-5,985	-5,901	-5,806	-3,729	10,249	25,218	36,142	39,663	32,946	407,400	
Retiree TV GR CR and G4	3,173	0	10,381	160,952	37,900	36,221	-8,103	-7,173	-6,771	-6,405	-6,184	-6,050	-5,985	-5,901	-5,806	-3,729	10,249	25,218	36,142	39,663	32,946	407,400	
Retiree TV GR CR and MC3	3,173	0	10,381	160,952	37,900	36,221	-8,103	-7,173	-6,771	-6,405	-6,184	-6,050	-5,985	-5,901	-5,806	-3,729	10,249	25,218	36,142	39,663	32,946	407,400	
Retiree TV GR CR and G2	3,282	0	10,381	160,952	37,900	36,221	-8,103	-7,173	-6,771	-6,405	-6,184	-6,050	-5,985	-5,901	-5,806	-3,729	10,249	25,218	36,142	39,663	32,946	407,400	
Retiree TV GR CR and MC2	2,988	0	10,381	160,952	37,900	36,221	-8,103	-7,173	-6,771	-6,405	-6,184	-6,050	-5,985	-5,901	-5,806	-3,729	10,249	25,218	36,142	39,663	32,946	407,400	
Retiree TV GR CR BR1-2 and MC1-2	3,479	0	10,381	160,952	37,900	36,221	-8,103	-7,173	-6,771	-6,405	-6,184	-6,050	-5,985	-5,901	-5,806	-3,729	10,249	25,218	36,142	39,663	32,946	407,400	
New Unit Control Delta																							
No Retirements																							
Retiree TV	104	0	5,191	83,075	21,756	-32,092	-26,524	4,042	36,607	60,170	19,499	16,845	16,845	52,447	63,836	53,904	-1	-50,524	-69,017	-15,165	50,597	407,400	
Retiree TV GR3 and GR3	101	0	1,403	11,229	21,756	-32,092	-26,524	4,042	36,607	60,170	19,499	16,845	16,845	52,447	63,836	53,904	-1	-50,524	-69,017	-15,165	50,597	407,400	
Retiree TV GR3 and BR3	314	0	1,403	11,229	21,756	-32,092	-26,524	4,042	36,607	60,170	19,499	16,845	16,845	52,447	63,836	53,904	-1	-50,524	-69,017	-15,165	50,597	407,400	
Retiree TV GR3 CR and G6	254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR3 CR and BR1-2	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR3 CR and G4	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR3 CR and G3	469	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR3 CR and G1	464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR and CR	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR and MC4	462	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR and TCI	368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR CR and G4	468	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR CR and MC3	368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR CR and G2	494	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR CR and MC1-2	608	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR CR and BR1-2	302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TV GR BR1-2 and MC1-2	491	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
New Control Coal Delta																							
No Retirements																							
Retiree TV	3,614	5,931	65,348	200,982	360,111	446,379	457,561	434,784	413,355	392,884	372,657	352,470	332,282	312,084	291,915	274,128	260,867	250,426	240,933	231,711	204,492	180,312	166,775
Retiree TV GR3 and GR3	3,568	5,931	65,025	196,634	354,064	440,880	457,440	433,914	408,714	388,467	368,466	348,504	328,514	308,579	288,624	270,983	257,818	247,462	238,055	228,918	201,786	177,661	160,765
Retiree TV GR3 and BR3	3,322	5,931	63,702	192,867	348,688	435,581	447,318	424,044	404,073	384,051	364,275	344,538	324,801	305,063	285,334	267,858	255,177	245,044	235,727	226,116	199,079	175,070	162,280
Retiree TV GR3 CR and G6	3,217	4,867	56,370	169,326	304,277	399,098	411,661	394,316	374,880	353,519	334,586	315,359	296,030	276,542	257,000	237,418	221,918	210,922	200,426	190,929	181,500	172,079	162,658
Retiree TV GR3 CR and BR1-2	2,805	2,833	45,919	136,980	246,527	339,098	356,062	338,616	321,329	304,591	287,571	270,570	253,570	236,570	219,570	202,570	185,570	168,570	151,570	134,570	117,570	100,570	83,570
Retiree TV GR3 CR and G4	2,572	2,344	39,413	121,375	219,952	314,354	328,316	298,249	283,969	270,491	257,256	244,064	230,872	217,680	204,488	191,296	178,104	164,912	151,720	138,528	125,336	112,144	98,952
Retiree TV GR3 CR and G3	2,484	1,786	38,065	111,787	198,784	294,032	314,668	298,316	283,969	270,491	257,256	244,064	230,872	217,680	204,488	191,296	178,104	164,912	151,720	138,528	125,336	112,144	98,952
Retiree TV GR3 CR and G1	2,301	1,671	37,500	106,638	188,044	273,599	289,887	275,771	262,450	249,136	235,822	222,508	209,194	195,880	182,566	169,252	155,938	142,624	129,310	116,000	102,686	89,372	76,058
Retiree TV GR CR and CR	2,312	1,660	33,171	100,624	179,084	273,599	293,301	279,160	265,379	251,174	236,854	222,530	208,200	193,937	179,674	165,410	151,146	136,882	122,614	108,346	94,078	79,810	65,542
Retiree TV GR CR and MC4	2,417	1,786	36,180	105,877	190,031	285,759	290,878	276,888	263,314	250,910	238,246	225,582	212,918	200,254	187,590	174,926	162,262	149,598	136,934	124,270	111,606	98,942	86,278
Retiree TV GR CR and TCI	2,000	924	23,470	79,204	152,023	256,199	243,819	232,023	219,530	207,037	194,544	182,051	169,558	157,065	144,572	132,079	119,586	107,093	94,600	82,107	69,614	57,121	44,628
Retiree TV GR CR and G4	2,300	1,786	36,180	103,677	184,266	289,798	297,655	282,935	269,214	255,493	241,772	228,051	214,330	200,609	186,888	173,167	159,446	145,725	132,004	118,283	104,562	90,841	77,120
Retiree TV GR CR and MC3	2,243	1,664	35,653	102,060	180,415	268,940	282,440	268,854	255,364	241,874	228,384	214,894	201,404	187,914	174,424	160,934	147,444	133,954	120,464	106,974	93,484	79,994	66,504
Retiree TV GR CR and G2	2,156	1,775	32,669	97,613	174,080	266,570	267,111	275,044	265,063	247,688	235,417	223,045	210,673	198,301	185,929	173,557	161,185	148,813	136,441	124,069	111,697	99,325	86,953
Retiree TV GR CR and MC2	1,790	1,786	28,974	80,367	145,665	202,860	215,466	205,484	195,502	185,520	175,538	165,556	155,574	145,592	135,610	125,628	115,646	105,664	95,682	85,700	75,718	65,736	55,754
Retiree TV GR CR BR1-2 and MC1-2	2,184	1,297	29,674	90,272	163,156	279,305	283,621	274,694	265,821	256,948	248,075	239,202	230,329	221,456	212,583	203,710	194,837	185,964	177,091	168,218	159,345	150,472	141,599
Retiree TV GR BR1-2 and MC1-2	1,518	1,297	22,468	65,362	119,090	174,317	169,141	180,440	171,996	164,052	156,297	148,541	140,885	133,149	125,403	117,657	109,911	102,165	94,419	86,673	78,927	71,181	63,435
New Control Gas Delta																							
No Retirements																							
Retiree TV	-46	0	-1,323	-4,148	-5,707	-5,399	-5,121	-4,870	-4,641	-4,416	-4,191	-3,966	-3,741	-3,516	-3,290	-3,135	-3,049	-2,964	-2,878	-2,792	-2,707	-2,621	-2,536
Retiree TV GR3 and GR3	-46	0	-1,323	-4,148	-5,707	-5,399	-5,121	-4,870	-4,641	-4,416	-4,191	-3,966	-3,741	-3,516	-3,290	-3,135	-3,049	-2,964	-2,878	-2,792	-2,707	-2,621	-2,536
Retiree TV GR3 and BR3	-110	0	-204	-2,854	-7,595	-13,437	-13,404	-12,757	-12,171	-11,595	-11,019	-10,443	-9,867	-9,290	-8,714	-8,138	-7,562	-6,986	-6,410	-5,834</			

MEMBER	\$M	\$000	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033					
MTP:Capital																														
No Retirements																														
Retire TY	883	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR3	866	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR4	860	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR5	846	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR6	824	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR7	784	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR8	689	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR9	724	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR10	800	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR11	715	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR12	715	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR13	715	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR14	714	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR15	714	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR16	693	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR17	770	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
Retire TY GR and BR18	663	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,863	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,849	122,412	128,018	133,669	139,369	145,118	150,918	156,769	162,672	
MTP:Capital:Delta																														
No Retirements																														
Retire TY	-16	0	0	0	0	0	-754	-978	-989	-1,118	-1,234	-1,347	-1,458	-1,568	-1,677	-1,787	-1,898	-2,008	-2,119	-2,230	-2,341	-2,453	-2,565	-2,678	-2,791	-2,904	-3,017	-3,130	-3,243	
Retire TY GR and BR3	-7	0	0	0	0	0	-2,448	-2,958	-3,069	-3,579	-4,089	-4,599	-5,109	-5,619	-6,129	-6,639	-7,149	-7,659	-8,169	-8,679	-9,189	-9,699	-10,209	-10,719	-11,229	-11,739	-12,249	-12,759	-13,269	
Retire TY GR and BR4	-14	0	0	0	0	0	-4,900	-5,820	-6,140	-7,060	-7,980	-8,900	-9,820	-10,740	-11,660	-12,580	-13,500	-14,420	-15,340	-16,260	-17,180	-18,100	-19,020	-19,940	-20,860	-21,780	-22,700	-23,620	-24,540	
Retire TY GR and BR5	-30	0	0	0	0	0	-1,050	-1,233	-1,392	-1,557	-1,718	-1,874	-2,026	-2,175	-2,324	-2,471	-2,619	-2,767	-2,915	-3,063	-3,211	-3,359	-3,507	-3,655	-3,803	-3,951	-4,099	-4,247	-4,395	
Retire TY GR and BR6	-13	0	0	0	0	0	-755	-856	-975	-1,090	-1,202	-1,312	-1,418	-1,522	-1,626	-1,730	-1,833	-1,936	-2,038	-2,139	-2,241	-2,342	-2,443	-2,544	-2,645	-2,746	-2,847	-2,948		
Retire TY GR and BR7	-84	0	0	0	0	0	-3,883	-4,524	-5,155	-5,777	-6,389	-6,991	-7,583	-8,165	-8,744	-9,317	-9,891	-10,463	-11,035	-11,607	-12,179	-12,751	-13,322	-13,893	-14,464	-15,035	-15,606	-16,177		
Retire TY GR and BR8	-8	0	0	0	0	0	-432	-503	-572	-640	-707	-772	-836	-899	-962	-1,026	-1,089	-1,151	-1,212	-1,272	-1,332	-1,391	-1,449	-1,507	-1,565	-1,623	-1,681	-1,739		
Retire TY GR and BR9	-19	0	0	0	0	0	-855	-986	-1,135	-1,272	-1,407	-1,539	-1,670	-1,799	-1,927	-2,057	-2,188	-2,320	-2,453	-2,588	-2,725	-2,863	-3,002	-3,144	-3,288	-3,434	-3,582			
Retire TY GR and BR10	-88	0	0	0	0	0	-3,975	-4,514	-5,044	-5,565	-6,076	-6,577	-7,068	-7,549	-8,020	-8,481	-8,932	-9,373	-9,804	-10,225	-10,636	-11,037	-11,428	-11,809	-12,180	-12,541	-12,892	-13,233		
Retire TY GR and BR11	-86	0	0	0	0	0	-3,232	-3,755	-4,278	-4,792	-5,296	-5,790	-6,274	-6,747	-7,210	-7,663	-8,106	-8,539	-8,962	-9,375	-9,778	-10,171	-10,554	-10,927	-11,290	-11,643	-11,986	-12,329		
Retire TY GR and BR12	-107	0	0	0	0	0	-3,917	-4,562	-5,188	-5,805	-6,412	-7,009	-7,596	-8,173	-8,740	-9,297	-9,844	-10,381	-10,908	-11,425	-11,932	-12,429	-12,916	-13,393	-13,860	-14,327	-14,784	-15,231		
Retire TY GR and BR13	-30	0	0	0	0	0	-1,377	-1,568	-1,743	-1,902	-2,046	-2,185	-2,319	-2,448	-2,572	-2,691	-2,805	-2,914	-3,018	-3,117	-3,211	-3,300	-3,384	-3,463	-3,537	-3,606	-3,670	-3,730		
Retire TY GR and BR14	-107	0	0	0	0	0	-4,977	-5,800	-6,639	-7,483	-8,332	-9,186	-10,044	-10,906	-11,772	-12,642	-13,516	-14,394	-15,276	-16,162	-17,052	-17,946	-18,844	-19,746	-20,652	-21,563	-22,478	-23,396		
Landfill:Capital																														
No Retirements																														
Retire TY	651	3,049	4,083	4,983	3,979	4,416	39,767	41,494	43,787	46,239	54,623	57,334	57,530	61,040	65,618	74,663	80,567	85,321	86,158	85,531	104,979	105,473	105,473	112,416	114,016	114,016	114,016	114,016	114,016	114,016
Retire TY GR and BR3	651	3,049	4,083	4,983	3,979	4,416	39,767	41,494	43,787	46,239	54,623	57,334	57,530	61,040	65,618	74,663	80,567	85,321	86,158	85,531	104,979	105,473	105,473	112,416	114,016	114,016	114,016	114,016	114,016	114,016
Retire TY GR and BR4	623	3,049	4,083	4,983	3,979	4,416	37,951	39,624	41,357	43,054	51,368	54,092	54,278	58,008	60,779	69,028	74,923	80,799	85,665	86,532	105,979	106,873	106,873	113,816	115,416	115,416	115,416	115,416	115,416	115,416
Retire TY GR and BR5	583	2,719	3,599	4,479	3,259	3,600	32,583	34,392	36,247	38,054	46,312	49,054	49,240	52,970	55,704	63,953	69,848	75,733												

Discount Rate: 6.71%

CERIA Gas and Coal Prices

MEMBER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and TCI	-42	-42	0	0	0	-1,965	-2,066	-2,172	-2,216	-2,260	-2,351	-2,398	-2,446	-2,596	-2,545	-2,596	-2,596	-2,648	-2,648	-2,648	-2,648	-2,648	-2,648	-2,648
Retire TY GR and GH4	-103	0	0	0	0	-5,668	-6,038	-6,622	-7,433	-8,153	-9,379	-10,881	-12,614	-15,569	-15,569	-15,569	-15,569	-15,569	-15,569	-15,569	-15,569	-15,569	-15,569	-15,569
Retire TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and GH2	-104	0	0	0	0	-5,727	-6,101	-6,691	-7,510	-8,238	-9,394	-10,994	-12,745	-15,900	-15,900	-15,900	-15,900	-15,900	-15,900	-15,900	-15,900	-15,900	-15,900	-15,900
Retire TY GR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BRL-2	-18	0	0	0	0	-1,170	-1,205	-1,565	-1,654	-2,064	-2,089	-2,995	-3,492	-3,492	-3,492	-3,492	-3,492	-3,492	-3,492	-3,492	-3,492	-3,492	-3,492	-3,492
Retire TY GR CR BRL-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water/Capital

Retire TY GR and CR	235	229	223	217	211	205	199	193	187	181	175	169	163	157	151	145	139	133	127	121	115	109	103
Retire TY GR and MCA	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
Retire TY GR and TCI	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
Retire TY GR and GH4	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
Retire TY GR and MCA	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
Retire TY GR and GH2	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
Retire TY GR and MCI-2	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
Retire TY GR CR and BRL-2	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
Retire TY GR CR BRL-2 and MCI-2	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229

Water/Capital/Delta

Retire TY GR and CR	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
Retire TY GR and MCA	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
Retire TY GR and TCI	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23
Retire TY GR and GH4	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Retire TY GR and MCA	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
Retire TY GR and GH2	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
Retire TY GR and MCI-2	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
Retire TY GR CR and BRL-2	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Retire TY GR CR BRL-2 and MCI-2	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15

Total/Capital

Retire TY GR and CR	7,281	11,645	80,956	223,239	417,024	556,928	647,904	670,674	650,378	634,544	609,718	594,348	665,478	684,757	681,756	671,072	666,204	691,091	721,814	735,732	714,783	713,478	723,168
Retire TY GR and MCA	7,316	11,645	79,637	224,282	446,948	588,592	677,458	698,528	656,023	636,868	607,850	597,389	622,388	673,285	670,457	659,867	657,065	695,920	747,601	765,431	748,991	740,957	712,762
Retire TY GR and TCI	7,351	11,645	78,314	218,731	429,426	569,143	639,143	673,516	635,146	622,212	603,075	596,070	636,901	693,361	689,431	705,743	705,743	749,077	774,349	718,349	693,349	693,349	729,814
Retire TY GR and GH4	7,464	11,645	78,110	217,280	430,781	565,859	650,261	685,256	635,146	622,212	603,075	596,070	636,901	693,361	689,431	705,743	705,743	749,077	774,349	718,349	693,349	693,349	729,814
Retire TY GR and MCA	7,468	10,323	70,142	195,449	394,159	537,620	627,450	688,334	593,656	583,802	614,123	644,633	683,937	752,866	731,815	743,616	768,516	811,815	863,937	863,937	863,937	863,937	863,937
Retire TY GR and GH2	6,826	7,880	51,893	161,389	334,195	478,744	574,262	566,628	484,296	484,296	509,828	536,288	601,697	673,185	673,185	684,728	684,728	731,815	774,349	731,815	731,815	731,815	731,815
Retire TY GR and MCI-2	6,794	7,401	51,885	145,958	305,152	454,849	580,160	622,624	618,336	609,318	599,823	614,738	661,492	741,738	741,738	741,738	741,738	741,738	741,738	741,738	741,738	741,738	741,738
Retire TY GR CR and BRL-2	6,723	6,584	49,667	135,151	283,202	430,646	529,994	586,070	509,828	509,828	529,994	573,475	592,887	615,610	634,458	634,458	634,458	634,458	634,458	634,458	634,458	634,458	634,458
Retire TY GR CR BRL-2 and MCI-2	6,705	6,449	49,062	135,151	283,202	430,646	529,994	586,070	509,828	509,828	529,994	573,475	592,887	615,610	634,458	634,458	634,458	634,458	634,458	634,458	634,458	634,458	634,458
Retire TY GR and CR	6,774	6,377	44,734	129,178	303,578	487,899	599,530	589,588	573,346	564,419	594,027	642,716	636,120	617,718	604,332	597,858	604,332	604,332	604,332	604,332	604,332	604,332	604,332
Retire TY GR and MCA	6,834	6,564	47,742	129,241	273,631	426,657	554,455	581,658	600,576	597,261	631,605	661,930	661,930	661,930	661,930	661,930	661,930	661,930	661,930	661,930	661,930	661,930	661,930
Retire TY GR and TCI	6,816	6,564	5,702	35,032	107,759	275,247	474,621	631,631	599,828	599,828	631,631	675,233	625,323	598,027	598,027	631,631	631,631	631,631	631,631	631,631	631,631	631,631	631,631
Retire TY GR and GH4	6,751	6,442	47,215	130,615	308,653	488,705	600,030	592,790	599,828	599,828	645,001	645,001	645,001	645,001	645,001	645,001	645,001	645,001	645,001	645,001	645,001	645,001	645,001
Retire TY GR and MCA	6,686	6,564	46,363	135,042	296,160	473,852	577,859	635,080	555,767	565,945	618,324	637,111	632,924	618,324	618,324	618,324	618,324	618,324	618,324	618,324	618,324	618,324	618,324
Retire TY GR and GH2	6,437	6,552	44,231	126,167	297,728	480,499	589,688	581,931	571,721	598,027	608,569	620,787	620,787	620,787	620,787	620,787	620,787	620,787	620,787	620,787	620,787	620,787	620,787
Retire TY GR and MCI-2	6,372	6,564	40,536	109,522	268,381	414,445	521,146	535,335	551,476	583,660	601,920	585,827	576,327	625,900	625,900	625,900	625,900	625,900	625,900	625,900	625,900	625,900	625,900
Retire TY GR CR and BRL-2	6,646	6,074	41,236	117,423	275,895	450,209	559,479	555,483	571,033	590,375	602,115	595,460	585,710	616,288	616,288	616,288	616,288	616,288	616,288	616,288	616,288	616,288	616,288
Retire TY GR CR BRL-2 and MCI-2	6,338	6,074	34,030	99,917	240,337	394,731	495,994	532,711	563,331	594,002	581,617	567,169	558,852	590,813	627,763	659,546	659,546	659,546	659,546	659,546	659,546	659,546	659,546

Total/Capital/Delta

Retire TY GR and CR	0	0	0</
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Discount Rate: 6.71%

CERA Gas and Coal Prices

SM	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retire TY	31,744	1,355,325	1,286,888	1,470,225	1,723,643	1,929,768	2,115,794	2,101,655	2,229,620	2,396,954	2,622,931	2,914,556	3,369,988	3,994,144	4,806,435	5,869,325	7,207,123	8,879,255	10,951,501	13,515,501	16,660,808	20,482,422	25,113,351
Retire TY and GR3	31,916	1,353,325	1,284,888	1,468,775	1,723,643	1,929,768	2,115,794	2,101,655	2,229,620	2,396,954	2,622,931	2,914,556	3,369,988	3,994,144	4,806,435	5,869,325	7,207,123	8,879,255	10,951,501	13,515,501	16,660,808	20,482,422	25,113,351
Retire TY GR3 and GR4	31,409	1,152,003	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and GR6	31,284	1,149,081	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and GR1-2	31,284	1,149,081	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and GR5	31,466	1,148,130	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and GR1	31,339	1,148,244	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and MC4	31,289	1,148,244	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and TC1	31,468	1,148,244	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and GR4	31,537	1,148,122	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and MC3	31,247	1,148,244	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and MC2	31,252	1,148,244	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and MC1-2	31,280	1,147,755	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888
Retire TY GR4 and MC1-2	31,348	1,147,755	1,076,716	1,246,944	1,497,999	1,765,816	1,952,917	1,937,911	2,066,876	2,234,800	2,454,677	2,734,511	3,184,527	3,814,729	4,626,064	5,619,552	6,804,326	8,191,490	9,793,046	11,622,501	13,689,956	16,007,422	18,594,888

Total Revenue Requirements Delta

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
No Retirements	-17	0	-1,323	1,043	27,031	28,615	-10,249	-18,326	-17,494	-15,703	-13,808	-9,805	-7,129	-2,124	-10,840	-13,540	-9,354	-7,699	8,743	25,986	28,097	24,735	14,663
Retire TY	339	-862	-12,710	-21,483	-1,194	2,187	38,540	33,643	33,421	38,417	37,595	37,406	33,999	-33,994	-25,620	-402	76,771	146,325	110,104	-79,889	3,476	-5,744	-7,495
Retire TY GR and MC4	559	0	2,990	35,023	60,294	69,023	-11,683	-11,267	16,610	73,293	138,937	64,517	-5,873	3,655	9,901	52,796	72,218	124,201	121,201	31,272	35,572	31,314	36,871
Retire TY GR and TC1	607	-122	-527	1,374	30,448	55,105	73,904	-7,157	-9,002	63,759	131,357	49,781	-14,289	-11,040	-10,009	101,009	157,703	174,884	153,712	-31,606	-740	62,441	142,930
Retire TY GR and MC3	338	0	-1,380	-6,464	18,833	39,610	41,970	-29,363	-34,358	-11,742	49,781	114,289	43,135	-25,952	-16,739	-10,284	29,509	48,064	104,178	50,530	15,798	23,417	20,616
Retire TY GR and MC2	613	-11	-3,645	-4,667	20,045	37,616	74,176	-435	-873	60,035	128,486	111,366	-1,950	-13,872	-2,678	13,270	90,556	160,384	128,304	67,330	-30,327	7,295	63,358
Retire TY GR and MC1-2	338	0	-7,206	-19,770	-5,290	-29,401	39,836	-51,928	-11,115	73,093	57,693	50,460	50	-13,799	4,336	68,060	92,984	59,325	67,374	64,324	65,865	69,463	77,128
Retire TY GR BR1-2 and MC1-2	438	0	-7,206	-23,507	-35,558	-82,610	127,459	65,576	89,597	29,533	11,062	18,383	24,024	32,047	54,768	41,548	50,637	45,191	65,258	119,591	153,083	79,857	13,670

Total Revenue Requirements Cumulative Delta

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
No Retirements	-17	0	-1,323	1,043	27,031	28,615	-10,249	-18,326	-17,494	-15,703	-13,808	-9,805	-7,129	-2,124	-10,840	-13,540	-9,354	-7,699	8,743	25,986	28,097	24,735	14,663
Retire TY	339	-862	-12,710	-21,483	-1,194	2,187	38,540	33,643	33,421	38,417	37,595	37,406	33,999	-33,994	-25,620	-402	76,771	146,325	110,104	-79,889	3,476	-5,744	-7,495
Retire TY GR and MC4	559	0	2,990	35,023	60,294	69,023	-11,683	-11,267	16,610	73,293	138,937	64,517	-5,873	3,655	9,901	52,796	72,218	124,201	121,201	31,272	35,572	31,314	36,871
Retire TY GR and TC1	607	-122	-527	1,374	30,448	55,105	73,904	-7,157	-9,002	63,759	131,357	49,781	-14,289	-11,040	-10,009	101,009	157,703	174,884	153,712	-31,606	-740	62,441	142,930
Retire TY GR and MC3	338	0	-1,380	-6,464	18,833	39,610	41,970	-29,363	-34,358	-11,742	49,781	114,289	43,135	-25,952	-16,739	-10,284	29,509	48,064	104,178	50,530	15,798	23,417	20,616
Retire TY GR and MC2	613	-11	-3,645	-4,667	20,045	37,616	74,176	-435	-873	60,035	128,486	111,366	-1,950	-13,872	-2,678	13,270	90,556	160,384	128,304	67,330	-30,327	7,295	63,358
Retire TY GR and MC1-2	338	0	-7,206	-19,770	-5,290	-29,401	39,836	-51,928	-11,115	73,093	57,693	50,460	50	-13,799	4,336	68,060	92,984	59,325	67,374	64,324	65,865	69,463	77,128
Retire TY GR BR1-2 and MC1-2	438	0	-7,206	-23,507	-35,558	-82,610	127,459	65,576	89,597	29,533	11,062	18,383	24,024	32,047	54,768	41,548	50,637	45,191	65,258	119,591	153,083	79,857	13,670

Discount Rate:

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Discount Rate:

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MTP:Capital

Table with columns for years 2054-2087 and rows for MTP:Capital, No Retirements, and various retiree categories (e.g., Retiree TY, Retiree TY and GR3).

MTP:Capital:Delta

Table with columns for years 2054-2087 and rows for MTP:Capital:Delta, No Retirements, and various retiree categories.

Landfill:Capital

Table with columns for years 2054-2087 and rows for Landfill:Capital, No Retirements, and various retiree categories.

Landfill:Capital:Delta

Table with columns for years 2054-2087 and rows for Landfill:Capital:Delta, No Retirements, and various retiree categories.

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCI-2	-11,666	-11,343	-11,031	-10,731	-10,442	-10,162	-9,886																		
Retire TY GR and MCI-1	-19,535	-20,424	-21,364	-22,375	-23,451	-24,593	-25,797	-27,063	-28,391	-29,781	-31,233	-32,748	-34,328	-35,974	-37,687	-39,468	-41,318	-43,238	-45,229	-47,292	-49,418	-51,607	-53,860	-56,178	-58,562
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCI-2	-955	-878	-804	-732	-663	-596	-532	-471	-412	-355	-301	-249	-200	-154	-111	-70	-31	14	34	59	89	124	164	209	259
Retire TY GR and MCI-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Capital

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements	11,399	10,985	10,571	10,157	9,743	9,329	8,915	8,501	8,087	7,673	7,259	6,845	6,431	6,017	5,603	5,189	4,775	4,361	3,947	3,533	3,119	2,705	2,291	1,877	1,463
Retire TY	11,062	10,652	10,242	9,832	9,422	9,012	8,602	8,192	7,782	7,372	6,962	6,552	6,142	5,732	5,322	4,912	4,502	4,092	3,682	3,272	2,862	2,452	2,042	1,632	1,222
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCI-2	-11,062	-10,652	-10,242	-9,832	-9,422	-9,012	-8,602	-8,192	-7,782	-7,372	-6,962	-6,552	-6,142	-5,732	-5,322	-4,912	-4,502	-4,092	-3,682	-3,272	-2,862	-2,452	-2,042	-1,632	-1,222
Retire TY GR and MCI-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Capital Delta

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements	-337	-323	-309	-294	-280	-266	-251																		
Retire TY	-337	-323	-309	-294	-280	-266	-251																		
Retire TY GR and CR	-1,316	-1,316	-1,273	-1,230	-1,187	-1,144	-1,101																		
Retire TY GR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCI-1	-876	-848	-820	-793	-765	-737	-710																		
Retire TY	-884	-857	-830	-803	-776	-748	-721																		
Retire TY GR and CR	-875	-848	-821	-794	-767	-741	-714																		
Retire TY GR and MCI-2	-1,086	-1,036	-986	-935	-885	-834	-783																		
Retire TY GR and MCI-1	-882	-855	-828	-801	-774	-747	-720																		
Retire TY	-891	-849	-808	-766	-725	-684	-643																		
Retire TY GR and CR	-891	-849	-808	-766	-725	-684	-643																		
Retire TY GR and MCI-2	-1,376	-1,312	-1,248	-1,184	-1,120	-1,056	-992																		
Retire TY GR and MCI-1	-876	-848	-820	-793	-765	-737	-710																		

Total Capital

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements	759,007	783,764	771,213	759,896	747,183	734,369	721,000	707,125	692,700	677,775	662,400	646,525	630,100	613,175	595,700	577,725	559,300	540,375	520,900	500,925	480,500	459,575	438,100	416,125	393,700
Retire TY	745,058	781,821	794,678	786,327	776,800	766,189	754,500	741,725	727,875	712,950	696,975	680,000	662,025	643,050	623,075	602,100	580,125	557,150	533,175	508,200	482,225	455,250	427,275	398,300	368,325
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCI-2	-11,666	-11,343	-11,031	-10,731	-10,442	-10,162	-9,886																		
Retire TY GR and MCI-1	-19,535	-20,424	-21,364	-22,375	-23,451	-24,593	-25,797	-27,063	-28,391	-29,781	-31,233	-32,748	-34,328	-35,974	-37,687	-39,468	-41,318	-43,238	-45,229	-47,292	-49,418	-51,607	-53,860	-56,178	
Retire TY	745,058	781,821	794,678	786,327	776,800	766,189	754,500	741,725	727,875	712,950	696,975	680,000	662,025	643,050	623,075	602,100	580,125	557,150	533,175	508,200	482,225	455,250	427,275	398,300	368,325
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCI-2	-11,666	-11,343	-11,031	-10,731	-10,442	-10,162	-9,886																		
Retire TY GR and MCI-1	-19,535	-20,424	-21,364	-22,375	-23,451	-24,593	-25,797	-27,063	-28,391	-29,781	-31,233	-32,748	-34,328	-35,974	-37,687	-39,468	-41,318	-43,238	-45,229	-47,292	-49,418	-51,607	-53,860	-56,178	

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BRL-2
 Retire TY GR CR BRL-2 and MCI-2

New Unit Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BRL-2
 Retire TY GR CR BRL-2 and MCI-2

New Control Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BRL-2
 Retire TY GR CR BRL-2 and MCI-2

New Controls Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BRL-2
 Retire TY GR CR BRL-2 and MCI-2

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2020 2021 2022 2023 2024 2025 2026 2027 2028

MPL Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY CR and MC4
- Retire TY CR CR and TCL
- Retire TY CR CR and GH4
- Retire TY CR CR and MCB
- Retire TY CR CR and GH2
- Retire TY CR CR and MCL-2
- Retire TY CR CR and BR1-2
- Retire TY CR CR BR1-2 and MCL-2

MPL Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY CR and MC4
- Retire TY CR CR and TCL
- Retire TY CR CR and GH4
- Retire TY CR CR and MCB
- Retire TY CR CR and GH2
- Retire TY CR CR and MCL-2
- Retire TY CR CR and BR1-2
- Retire TY CR CR BR1-2 and MCL-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY CR and MC4
- Retire TY CR CR and TCL
- Retire TY CR CR and GH4
- Retire TY CR CR and MCB
- Retire TY CR CR and GH2
- Retire TY CR CR and MCL-2
- Retire TY CR CR and BR1-2
- Retire TY CR CR BR1-2 and MCL-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2052 2053 2054 2055 2056 2057 2058 2059 2060 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Existing Unit Fixed LO&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Fixed LO&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Fixed LO&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total Revenue Requirements

No Retirements 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

	2052	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR4-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Revenue Requirements Delta

No Retirements

Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR4-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Revenue Requirements Cumulative D

No Retirements

Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR4-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Retirement Cost		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0
All Units																		
2% Escalation Rate																		
Unit Costs (\$000)																		
BR	BR1	3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135	
BR	BR2	6,633	7,150	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383	
BR	BR3	15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279	
CR	CR4	14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560	
CR	CR5	11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546	
CR	CR6	10,666	11,649	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159	
GH	GH1	17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240	
GH	GH2	12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372	
GH	GH3	17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138	
GH	GH4	11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659	
GR	GR3	4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640	
GR	GR4	7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167	
MC	MC1	11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389	
MC	MC2	16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664	
MC	MC3	18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278	
MC	MC4	16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308	
TC	TC1	17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512	
TY	TY3	410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541	

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$:

	Month	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	790,212	805,016	822,137	838,580	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,550	1,002,180
BR	BR1	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR2	942,329	961,175	980,399	1,000,007	1,020,007	1,040,407	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101
BR	BR2	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	BR3	1,381,002	1,408,622	1,436,795	1,465,530	1,494,841	1,524,738	1,555,233	1,586,337	1,618,064	1,650,425	1,683,434	1,717,103	1,751,445
GH	GH1	1,706,194	1,740,318	1,775,124	1,810,627	1,846,839	1,883,776	1,921,452	1,959,881	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867
GH	GH1	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH2	2,052,054	2,093,095	2,134,957	2,177,856	2,221,209	2,265,633	2,310,946	2,357,165	2,404,308	2,452,394	2,501,442	2,551,471	2,602,500
GH	GH2	132,837	135,994	139,204	140,968	143,787	146,663	149,596	152,588	155,640	158,753	161,928	165,166	168,470
GH	GH3	1,687,991	1,724,751	1,756,186	1,791,310	1,827,136	1,863,678	1,900,952	1,938,971	1,977,751	2,017,306	2,057,652	2,098,805	2,140,781
GH	GH3	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH3	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4	1,634,782	1,667,477	1,700,827	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299
GH	GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	-136,405	-139,133	-141,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994
MC	MC1	1,870,843	1,906,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,831	2,280,547	2,326,158	2,372,681
MC	MC1	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC2	351,957	359,996	366,176	373,499	380,969	388,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366
MC	MC2	1,835,456	1,872,165	1,909,608	1,947,801	1,986,757	2,026,492	2,067,022	2,108,362	2,150,529	2,193,540	2,237,411	2,282,159	2,327,802
MC	MC2	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	MC3	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	1,673,288	1,706,754	1,740,989	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,729	2,039,729	2,080,524	2,122,134
MC	MC3	48,588	49,560	50,551	51,562	52,594	53,646	54,718	55,813	56,929	58,068	59,229	60,414	61,622
MC	MC3	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	1,961,738	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958
MC	MC4	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
TC	TC1	1,277,465	1,303,015	1,329,075	1,355,656	1,382,769	1,410,425	1,438,633	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135
CR	CR4	2,672,249	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058
CR	CR4	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4	1,701,041	1,735,062	1,769,763	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332
CR	CR4	248,515	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177
CR	CR4	241,374	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,233	300,118	306,120
CR	CR5	2,846,495	2,903,425	2,961,493	3,020,723	3,081,137	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044
CR	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	1,786,736	1,822,471	1,859,920	1,896,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013
CR	CR5	252,800	257,856	263,013	268,273	273,638	279,111	284,693	290,387	296,195	302,119	308,161	314,325	320,611
CR	CR5	245,658	250,572	255,628	260,695	265,909	271,227	276,651	282,184	287,828	293,584	299,456	305,445	311,554
CR	CR6	3,416,365	3,484,692	3,554,386	3,625,474	3,697,983	3,771,943	3,847,382	3,924,330	4,002,816	4,082,872	4,164,530	4,247,820	4,332,777
CR	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	2,330,898	2,377,516	2,425,066	2,473,567	2,523,039	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142
CR	CR6	287,793	288,449	294,218	300,102	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650
CR	CR6	272,795	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970
GR	GR3	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3	4,744,634	4,839,527	4,936,317	5,035,044	5,135,744	5,238,459	5,343,229	5,450,093	5,559,095	5,670,277	5,783,682	5,899,356	6,017,343
GR	GR3	201,383	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402
GR	GR4	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	6,154,313	6,277,399	6,402,947	6,531,006	6,661,626	6,794,859	6,930,756	7,069,371	7,210,759	7,354,974	7,502,073	7,652,115	7,805,157
GR	GR4	214,237	218,522	222,892	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
BR	BRL	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,058	2,142	2,226	
BR	BR2	167	114	271	423	571	717	860	1,001	1,139	1,275	1,408	1,539	1,667	1,794	1,922	2,052	2,182	2,313	2,446	2,579	2,714	2,850	2,987	3,126	3,266	3,407	3,550	3,693	3,836
BR	BR3	416	285	675	1,053	1,423	1,786	2,143	2,493	2,838	3,176	3,508	3,834	4,153	4,469	4,789	5,111	5,435	5,762	6,092	6,425	6,761	7,100	7,442	7,787	8,136	8,488	8,843	9,199	9,556
CR	CR4	155	77	204	327	447	564	678	790	899	1,006	1,109	1,210	1,308	1,405	1,501	1,596	1,691	1,786	1,880	1,974	2,023	2,073	2,123	2,178	2,233	2,289	2,346	2,403	2,461
CR	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,193	2,247	2,304	2,361	2,420	2,481	2,543	2,605	
CR	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,025	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,132	3,210	3,291	3,373	3,457	3,544	3,632	3,721	
GH	GH1	475	510	1,206	1,884	2,548	3,200	3,843	4,477	5,101	5,717	6,322	6,918	7,504	8,080	8,653	9,221	9,784	10,342	10,895	11,594	12,189	12,809	13,425	14,048	14,676	15,311	15,953	16,601	
GH	GH2	484	520	1,228	1,920	2,596	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,811	9,405	9,999	10,599	11,204	11,814	12,327	12,944	13,567	14,196	14,831	15,472	16,121	16,777	
GH	GH3	480	516	1,218	1,904	2,575	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,744	9,328	9,917	10,511	11,111	11,716	12,327	12,944	13,567	14,196	14,831	15,472	16,121	16,777	
GH	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,896	10,489	11,088	11,692	12,302	12,917	13,538	14,166	14,800	15,440	16,087	16,741	
GR	GR3	68	39	96	151	205	258	309	360	410	458	506	553	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247	1,295	1,343
GR	GR4	95	55	134	211	286	360	432	503	572	640	707	772	836	899	962	1,026	1,089	1,153	1,217	1,282	1,347	1,412	1,477	1,543	1,609	1,675	1,742	1,808	
MC	MCL	303	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,592	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,277	9,651	10,027	10,403	10,780
MC	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,194	5,555	5,916	6,279	6,642	7,007	7,372	7,739	8,106	8,475	8,845	9,216	9,588	9,961	10,335	10,710
MC	MCS	391	398	989	1,565	2,128	2,680	3,222	3,755	4,278	4,792	5,296	5,790	6,274	6,747	7,210	7,685	8,156	8,628	9,102	9,576	10,052	10,530	11,009	11,489	11,971	12,455	12,940	13,426	13,913
MC	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,461	7,064	7,654	8,231	8,803	9,376	9,950	10,526	11,103	11,683	12,265	12,846	13,430	14,016	14,604	15,194	15,786	16,380	
TC	TC1	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,288	3,431	3,577	3,724	
TC	TC2	549	166	386	602	813	1,021	1,225	1,427	1,626	1,823	2,016	2,207	2,394	2,579	2,762	2,948	3,136	3,325	3,517	3,710	3,906	4,104	4,304	4,506	4,711	4,918	5,127	5,337	
TY	TY3	71	94	233	368	499	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017	3,131	

2.50% Capital Escalation Rate

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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2029 MC	2029 MC	318	333	350	368	387	406	426	446	466	486	506	526	546	566	586	606	626	646	666	686	706	726	746	766	786	806	826	846	866	886	906	926	946	966	986	1006	1026	1046	1066	1086	1106	1126	1146	1166	1186	1206	1226	1246	1266	1286	1306	1326	1346	1366	1386	1406	1426	1446	1466	1486	1506	1526	1546	1566	1586	1606	1626	1646	1666	1686	1706	1726	1746	1766	1786	1806	1826	1846	1866	1886	1906	1926	1946	1966	1986	2006	2026	2046	2066	2086	2106	2126	2146	2166	2186	2206	2226	2246	2266	2286	2306	2326	2346	2366	2386	2406	2426	2446	2466	2486	2506	2526	2546	2566	2586	2606	2626	2646	2666	2686	2706	2726	2746	2766	2786	2806	2826	2846	2866	2886	2906	2926	2946	2966	2986	3006	3026	3046	3066	3086	3106	3126	3146	3166	3186	3206	3226	3246	3266	3286	3306	3326	3346	3366	3386	3406	3426	3446	3466	3486	3506	3526	3546	3566	3586	3606	3626	3646	3666	3686	3706	3726	3746	3766	3786	3806	3826	3846	3866	3886	3906	3926	3946	3966	3986	4006	4026	4046	4066	4086	4106	4126	4146	4166	4186	4206	4226	4246	4266	4286	4306	4326	4346	4366	4386	4406	4426	4446	4466	4486	4506	4526	4546	4566	4586	4606	4626	4646	4666	4686	4706	4726	4746	4766	4786	4806	4826	4846	4866	4886	4906	4926	4946	4966	4986	5006	5026	5046	5066	5086	5106	5126	5146	5166	5186	5206	5226	5246	5266	5286	5306	5326	5346	5366	5386	5406	5426	5446	5466	5486	5506	5526	5546	5566	5586	5606	5626	5646	5666	5686	5706	5726	5746	5766	5786	5806	5826	5846	5866	5886	5906	5926	5946	5966	5986	6006	6026	6046	6066	6086	6106	6126	6146	6166	6186	6206	6226	6246	6266	6286	6306	6326	6346	6366	6386	6406	6426	6446	6466	6486	6506	6526	6546	6566	6586	6606	6626	6646	6666	6686	6706	6726	6746	6766	6786	6806	6826	6846	6866	6886	6906	6926	6946	6966	6986	7006	7026	7046	7066	7086	7106	7126	7146	7166	7186	7206	7226	7246	7266	7286	7306	7326	7346	7366	7386	7406	7426	7446	7466	7486	7506	7526	7546	7566	7586	7606	7626	7646	7666	7686	7706	7726	7746	7766	7786	7806	7826	7846	7866	7886	7906	7926	7946	7966	7986	8006	8026	8046	8066	8086	8106	8126	8146	8166	8186	8206	8226	8246	8266	8286	8306	8326	8346	8366	8386	8406	8426	8446	8466	8486	8506	8526	8546	8566	8586	8606	8626	8646	8666	8686	8706	8726	8746	8766	8786	8806	8826	8846	8866	8886	8906	8926	8946	8966	8986	9006	9026	9046	9066	9086	9106	9126	9146	9166	9186	9206	9226	9246	9266	9286	9306	9326	9346	9366	9386	9406	9426	9446	9466	9486	9506	9526	9546	9566	9586	9606	9626	9646	9666	9686	9706	9726	9746	9766	9786	9806	9826	9846	9866	9886	9906	9926	9946	9966	9986	10006	10026	10046	10066	10086	10106	10126	10146	10166	10186	10206	10226	10246	10266	10286	10306	10326	10346	10366	10386	10406	10426	10446	10466	10486	10506	10526	10546	10566	10586	10606	10626	10646	10666	10686	10706	10726	10746	10766	10786	10806	10826	10846	10866	10886	10906	10926	10946	10966	10986	11006	11026	11046	11066	11086	11106	11126	11146	11166	11186	11206	11226	11246	11266	11286	11306	11326	11346	11366	11386	11406	11426	11446	11466	11486	11506	11526	11546	11566	11586	11606	11626	11646	11666	11686	11706	11726	11746	11766	11786	11806	11826	11846	11866	11886	11906	11926	11946	11966	11986	12006	12026	12046	12066	12086	12106	12126	12146	12166	12186	12206	12226	12246	12266	12286	12306	12326	12346	12366	12386	12406	12426	12446	12466	12486	12506	12526	12546	12566	12586	12606	12626	12646	12666	12686	12706	12726	12746	12766	12786	12806	12826	12846	12866	12886	12906	12926	12946	12966	12986	13006	13026	13046	13066	13086	13106	13126	13146	13166	13186	13206	13226	13246	13266	13286	13306	13326	13346	13366	13386	13406	13426	13446	13466	13486	13506	13526	13546	13566	13586	13606	13626	13646	13666	13686	13706	13726	13746	13766	13786	13806	13826	13846	13866	13886	13906	13926	13946	13966	13986	14006	14026	14046	14066	14086	14106	14126	14146	14166	14186	14206	14226	14246	14266	14286	14306	14326	14346	14366	14386	14406	14426	14446	14466	14486	14506	14526	14546	14566	14586	14606	14626	14646	14666	14686	14706	14726	14746	14766	14786	14806	14826	14846	14866	14886	14906	14926	14946	14966	14986	15006	15026	15046	15066	15086	15106	15126	15146	15166	15186	15206	15226	15246	15266	15286	15306	15326	15346	15366	15386	15406	15426	15446	15466	15486	15506	15526	15546	15566	15586	15606	15626	15646	15666	15686	15706	15726	15746	15766	15786	15806	15826	15846	15866	15886	15906	15926	15946	15966	15986	16006	16026	16046	16066	16086	16106	16126	16146	16166	16186	16206	16226	16246	16266	16286	16306	16326	16346	16366	16386	16406	16426	16446	16466	16486	16506	16526	16546	16566	16586	16606	16626	16646	16666	16686	16706	16726	16746	16766	16786	16806	16826	16846	16866	16886	16906	16926	16946	16966	16986	17006	17026	17046	17066	17086	17106	17126	17146	17166	17186	17206	17226	17246	17266	17286	17306	17326	17346	17366	17386	17406	17426	17446	17466	17486	17506	17526	17546	17566	17586	17606	17626	17646	17666	17686	17706	17726	17746	17766	17786	17806	17826	17846	17866	17886	17906	17926	17946	17966	17986	18006	18026	18046	18066	18086	18106	18126	18146	18166	18186	18206	18226	18246	18266	18286	18306	18326	18346	18366	18386	18406	18426	18446	18466	18486	18506	18526	18546	18566	18586	18606	18626	18646	18666	186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Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
	2040 GR																												
	2011 BR		468	629	595	565	538	513	489	464	440	415	391	367	350	341	332	323	315	306	297	288	279	271	262	253	244	235	
	2012 BR			480	645	610	579	551	526	501	476	451	426	401	376	359	350	341	332	323	313	304	295	286	277	268	259	250	
	2013 BR				492	661	625	594	565	539	513	488	462	436	411	385	368	358	349	340	331	321	312	303	293	284	275	266	
	2014 BR					504	641	609	579	552	526	500	474	447	421	395	377	367	358	348	339	329	320	310	301	291	282	273	
	2015 BR						517	694	657	624	594	566	539	512	485	458	432	405	386	377	367	357	347	338	328	318	308	299	
	2016 BR							530	712	674	639	608	580	553	525	498	470	442	415	396	386	376	366	356	346	336	326	316	
	2017 BR								543	729	690	655	624	595	567	538	510	482	455	436	425	415	405	395	385	375	365	355	
	2018 BR									557	748	708	672	639	610	581	552	523	494	475	464	454	444	434	424	414	404	394	
	2019 BR										571	766	725	688	655	625	595	566	536	516	505	495	485	475	465	455	445	435	
	2020 BR											585	785	743	706	672	641	610	580	559	548	538	528	518	508	498	488	478	
	2021 BR												600	805	762	723	688	657	625	594	563	532	500	469	448	437	425	414	
	2022 BR													615	825	781	741	706	673	641	609	577	545	513	481	459	448	436	
	2023 BR														630	846	801	760	723	690	657	624	591	559	526	494	483	471	
	2024 BR															646	867	821	779	741	707	673	640	606	573	539	505	482	
	2025 BR																662	889	841	798	760	725	690	656	621	587	552	518	
	2026 BR																	678	891	842	799	763	728	693	658	623	588	553	
	2027 BR																		695	893	844	799	764	729	694	659	624	589	
	2028 BR																			884	895	846	799	764	729	694	659	624	
	2029 BR																				934	906	860	818	781	743	706	669	
	2030 BR																					957	906	860	818	781	743	706	
	2031 BR																						981	928	881	839	800	762	
	2032 BR																							1,005	952	903	860	820	
	2033 BR																								1,031	975	926	881	
	2034 BR																									1,056	1,000	949	
	2035 BR																										1,083	1,025	973
	2036 BR																											1,110	1,050
	2037 BR																												1,138
	2038 BR																												847
	2039 BR																												868
	2040 BR																												
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Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
	2021 TY												120	175	165	157	149	141	134	127	120	113	106	99	93	90	87	84
	2022 TY												123	179	179	169	161	152	145	138	130	123	116	108	101	96	93	89
	2023 TY												126	184	184	174	165	156	149	142	134	126	119	111	104	98	95	91
	2024 TY												129	188	188	178	169	160	152	145	137	129	122	114	106	101	97	93
	2025 TY												132	193	193	182	173	164	156	148	140	133	125	117	109	104	100	96
	2026 TY												136	198	198	187	177	168	160	152	144	136	128	120	112	106	102	98
	2027 TY												139	203	203	192	182	172	164	156	148	140	132	124	116	110	106	102
	2028 TY												143	208	208	196	186	177	168	160	151	143	135	127	120	114	110	106
	2029 TY												146	213	213	201	191	181	172	164	155	146	138	130	122	116	112	108
	2030 TY												150	218	218	206	196	186	177	168	159	150	141	133	125	119	115	111
	2031 TY												154	224	224	212	202	192	182	173	164	155	146	138	130	122	116	112
	2032 TY												157	229	229	217	206	196	186	177	168	159	150	141	133	125	119	115
	2033 TY												161	235	235	223	212	202	192	183	174	165	156	147	139	131	123	117
	2034 TY												165	241	241	229	218	208	198	189	180	171	162	153	145	137	130	124
	2035 TY												169	247	247	235	224	214	204	195	186	177	168	159	150	142	135	129
	2036 TY												174	253	253	241	230	220	210	201	192	183	174	165	156	148	141	135
	2037 TY												178	259	259	247	236	226	216	207	198	189	180	171	162	154	147	141
	2038 TY												182	265	265	253	242	232	222	213	204	195	186	177	168	160	153	147
	2039 TY												186	271	271	259	248	238	228	219	210	201	192	183	174	166	159	153
	2040 TY												190	277	277	265	254	244	234	225	216	207	198	189	180	172	165	159

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	2,234	2,322	2,411	2,501	2,446	2,340	2,239	2,145	2,055	1,969	1,887	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,859	3,986	4,135	4,045	3,868	3,703	3,546	3,397	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR	BR3	416	9,202	9,566	9,930	10,300	10,076	9,636	9,223	8,833	8,463	8,109	7,689	7,289	6,910	6,553	6,218	5,906	5,607	5,312	5,021	4,733	4,450	4,171	3,897
CR	CR4	155	2,405	2,465	2,526	2,589	2,492	2,292	2,102	1,921	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR	CR5	168	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,082	1,893	1,713	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103	0
CR	CR6	240	3,723	3,836	3,932	4,009	3,858	3,549	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	623	459	301	148	0
GH	GH1	475	16,601	17,256	17,918	18,587	18,193	17,419	16,688	15,994	15,334	14,702	14,098	13,375	12,686	12,033	11,415	10,834	10,291	9,770	9,256	8,749	8,249	7,755	7,269
GH	GH2	484	16,935	17,583	18,237	18,893	18,537	17,749	17,004	16,365	15,724	14,981	14,365	13,628	12,927	12,261	11,631	11,039	10,486	9,956	9,432	8,915	8,405	7,902	7,407
GH	GH3	480	16,775	17,437	18,106	18,782	18,394	17,602	16,863	16,163	15,495	14,857	14,246	13,516	12,820	12,159	11,535	10,948	10,399	9,873	9,354	8,841	8,336	7,837	7,346
GH	GH4	479	16,741	17,401	18,069	18,743	18,346	17,565	16,828	16,129	15,463	14,826	14,217	13,488	12,793	12,134	11,511	10,925	10,378	9,853	9,334	8,823	8,318	7,821	7,331
GR	GR3	68	1,295	1,343	1,377	1,411	1,364	1,281	1,203	1,128	1,055	988	922	860	801	745	692	643	595	549	504	459	415	373	331
GR	GR4	95	1,809	1,876	1,923	1,971	1,906	1,790	1,680	1,575	1,476	1,380	1,288	1,201	1,118	1,040	967	896	832	767	704	641	580	521	462
MC	MC1	303	10,278	10,535	10,798	11,068	10,698	10,020	9,375	8,758	8,166	7,598	7,053	6,531	6,033	5,559	5,110	4,687	4,290	3,910	3,538	3,173	2,817	2,468	2,128
MC	MC2	301	10,210	10,465	10,727	10,995	10,627	9,954	9,313	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,262	3,884	3,515	3,152	2,798	2,452	2,114
MC	MC3	391	13,263	13,595	13,934	14,283	13,805	12,931	12,097	11,300	10,538	9,805	9,102	8,428	7,785	7,174	6,595	6,046	5,536	5,046	4,565	4,095	3,635	3,185	2,746
MC	MC4	477	16,180	16,585	16,999	17,424	16,841	15,775	14,758	13,787	12,856	11,962	11,104	10,282	9,498	8,752	8,045	7,379	6,754	6,156	5,570	4,996	4,434	3,886	3,350
MC	MC5	383	5,239	5,375	5,496	5,606	5,480	5,093	4,927	4,771	4,623	4,481	4,322	4,101	3,906	3,728	3,562	3,408	3,266	3,135	3,014	2,902	2,799	2,706	2,614
TC	TC1	549	5,435	5,554	5,771	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,613	4,445	4,280	4,125	3,980	3,802	3,636	3,476	3,319	3,163	3,009	2,857	2,706
TY	TY1	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749	646
2011 CR			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012 CR			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 CR			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014 CR			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015 CR			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 CR			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017 CR			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018 CR			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019 CR			206	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212
2020 CR			224	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
2021 CR			243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243
2022 CR			263	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269
2023 CR			283	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289
2024 CR			305	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312
2025 CR			327	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332
2026 CR			357	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359
2027 CR			395	395	395	395	395	395	395	395	395	395	395	395	395	395	395	395	395	395	395	395	395	395	395
2028 CR			434	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404
2029 CR			476	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445
2030 CR			519	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
2031 CR			564	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532
2032 CR			611	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578
2033 CR			661	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627	627
2034 CR			715	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677
2035 CR			775	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733	733
2036 CR			841	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794	794
2037 CR			534	862	814	884	855	789	748	709	671	633	594	556	518	480	450	430	410	390	370	350	330	310	290
2038 CR			547	884	884	884	884	884	884	884	884	884	884	884	884	884	884	884	884	884	884	884	884	884	884
2039 CR			561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561
2040 CR			575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575
2041 MC			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 MC			670	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 MC			728	687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 MC			789	747	704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 MC			853	809	765	722	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2046 MC			919	874	829	784	740	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2047 MC			987	942	896	850	804	758	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2048 MC			1,059	1,012	965	918	871	824	777	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2049 MC			1,134	1,086																					

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2029 MC			2,389	2,256	2,123	1,990	1,857	1,760	1,698	1,656	1,575	1,513	1,451	1,390	1,328	1,266	1,205	1,143	1,081	1,020	0	0	0	0	0
2030 MC			2,586	2,449	2,313	2,176	2,040	1,904	1,804	1,741	1,677	1,614	1,551	1,488	1,424	1,361	1,298	1,235	1,172	1,108	1,045	0	0	0	0
2031 MC			2,790	2,650	2,510	2,371	2,231	2,091	1,951	1,849	1,784	1,719	1,655	1,590	1,525	1,460	1,395	1,330	1,266	1,201	1,136	0	0	0	0
2032 MC			3,003	2,860	2,716	2,573	2,430	2,287	2,143	2,000	1,895	1,829	1,762	1,696	1,629	1,563	1,497	1,430	1,364	1,297	1,231	1,164	1,098	0	0
2033 MC			3,231	3,078	2,931	2,784	2,637	2,491	2,344	2,197	2,050	1,943	1,874	1,806	1,738	1,670	1,602	1,534	1,466	1,398	1,330	1,262	1,194	1,125	0
2034 MC			3,480	3,311	3,155	3,004	2,854	2,703	2,553	2,402	2,252	2,101	1,991	1,921	1,852	1,782	1,712	1,642	1,572	1,503	1,433	1,363	1,293	1,223	1,154
2035 MC			3,754	3,567	3,394	3,234	3,080	2,925	2,771	2,617	2,462	2,308	2,154	2,041	1,969	1,898	1,826	1,755	1,683	1,612	1,540	1,469	1,397	1,325	1,254
2036 MC			4,057	3,848	3,656	3,479	3,315	3,157	2,998	2,840	2,682	2,524	2,366	2,208	2,092	1,945	1,872	1,799	1,725	1,652	1,579	1,505	1,432	1,359	1,284
2037 MC			2,848	4,159	3,944	3,748	3,566	3,398	3,236	3,073	2,911	2,749	2,587	2,425	2,263	2,144	2,069	1,919	1,844	1,768	1,693	1,618	1,543	1,468	1,393
2038 MC				4,263	4,043	3,841	3,655	3,483	3,316	3,146	2,984	2,818	2,652	2,485	2,319	2,198	2,121	2,044	1,967	1,890	1,813	1,736	1,659	1,581	1,504
2039 MC			2,920	2,993	4,369	4,144	3,937	3,746	3,570	3,399	3,229	3,059	2,888	2,718	2,548	2,377	2,253	2,174	2,095	2,016	1,937	1,858	1,779	1,700	1,621
2040 MC			3,067	4,478	4,248	4,036	3,840	3,659	3,484	3,310	3,135	2,961	2,786	2,611	2,437	2,261	2,085	1,909	1,733	1,557	1,381	1,205	1,029	853	677
2041 TC			128	124	119	114	110	105	101	96	91	87	82	77	72	67	62	57	52	47	42	37	32	27	22
2042 TC			151	146	141	136	132	127	122	117	113	108	103	98	94	89	84	79	74	69	64	59	54	49	44
2043 TC			159	154	149	145	140	135	130	125	120	115	110	106	101	96	91	86	81	76	71	66	61	56	51
2044 TC			168	163	158	153	148	143	138	133	128	123	118	113	108	103	98	93	88	83	78	73	68	63	58
2045 TC			178	172	167	162	157	152	147	142	137	131	126	121	116	111	106	101	96	91	86	81	76	71	66
2046 TC			187	182	177	171	166	161	156	150	145	140	135	130	124	119	114	109	103	98	93	88	83	78	73
2047 TC			197	192	187	181	176	170	165	160	154	149	144	138	133	127	122	117	111	106	101	95	90	85	80
2048 TC			208	202	197	191	186	180	175	169	164	158	153	147	142	136	131	125	120	114	109	103	98	92	87
2049 TC			219	213	207	202	196	190	185	179	173	168	162	156	151	145	139	134	128	123	117	111	106	100	94
2050 TC			230	224	218	212	207	201	195	189	183	177	172	166	160	155	149	143	137	131	126	120	114	108	102
2051 TC			241	236	230	224	218	212	206	200	194	188	182	176	170	164	158	152	147	141	135	129	123	117	111
2052 TC			254	248	241	235	229	223	217	211	205	199	193	187	181	175	169	163	157	151	145	139	133	127	121
2053 TC			266	260	254	247	241	235	229	223	216	210	204	198	191	185	179	173	167	161	155	149	143	137	131
2054 TC			279	273	266	260	254	247	241	234	228	222	215	209	203	196	190	183	177	171	164	158	152	146	140
2055 TC			299	286	280	273	267	260	253	247	240	234	227	221	214	208	201	194	188	181	175	168	162	155	149
2056 TC			325	306	293	287	280	273	266	260	253	246	240	233	226	219	213	206	199	193	186	179	173	166	159
2057 TC			353	334	314	301	294	287	280	273	266	259	253	246	239	232	225	218	211	204	197	191	184	177	170
2058 TC			382	362	342	322	308	301	294	287	280	273	266	259	252	245	238	231	224	217	209	202	195	188	181
2059 TC			412	392	371	350	330	316	309	301	294	287	280	273	265	258	251	244	236	229	222	215	207	200	193
2060 TC			444	423	401	380	359	338	324	316	309	302	294	287	279	272	265	257	250	242	235	227	220	213	205
2061 TC			476	455	433	411	390	368	346	332	324	317	309	302	294	286	279	271	264	256	248	241	233	226	218
2062 TC			511	488	466	444	422	400	377	355	340	332	325	317	309	301	293	286	278	270	262	255	247	239	231
2063 TC			547	523	501	478	455	432	410	387	364	349	341	333	325	317	309	301	293	285	277	269	261	253	245
2064 TC			588	561	536	513	490	466	443	420	396	373	357	349	341	333	325	317	308	300	292	284	276	267	259
2065 TC			632	602	575	550	526	502	478	454	430	406	382	366	358	350	341	333	324	316	308	299	291	283	274
2066 TC			682	648	617	589	564	539	515	490	466	441	417	392	376	367	358	350	341	333	324	315	307	298	290
2067 TC			699	664	633	604	578	553	527	502	477	452	427	402	385	376	367	358	350	341	332	323	314	306	298
2068 TC			547	717	681	648	619	592	566	541	515	489	463	438	412	395	385	376	367	358	349	340	331	322	314
2069 TC				561	735	698	665	634	607	584	554	528	501	475	449	422	404	395	386	377	367	358	349	340	332
2070 TC				575	753	715	681	650	622	595	568	541	514	487	460	433	414	405	396	386	377	367	358	349	340
2071 GH			1,007	969	931	893	856	818	780	742	704	667	629	0	0	0	0	0	0	0	0	0	0	0	0
2072 GH			1,070	1,032	993	954	916	877	838	800	761	722	683	645	0	0	0	0	0	0	0	0	0	0	0
2073 GH			1,137	1,097	1,058	1,018	978	939	899	859	819	780	740	700	661	0	0	0	0	0	0	0	0	0	0
2074 GH			1,206	1,165	1,125	1,084	1,043	1,003	962	921	881	840	799	759	718	677	0	0	0	0	0	0	0	0	0
2075 GH			1,278	1,236	1,194	1,153	1,111	1,069	1,028	986	944	903	861	819	778	736	694	0	0	0	0	0	0	0	0
2076 GH			1,353	1,310	1,267	1,224	1,182	1,139	1,096	1,053	1,011	968	925	882	840	797	754	712	0	0	0	0	0	0	0
2077 GH			1,430	1,386	1,343	1,299	1,255	1,211	1,167	1,124	1,080	1,036	992	948	905	861	817	773	729	0	0	0	0	0	0
2078 GH			1,511	1,466	1,421	1,376	1,331	1,286	1,241	1,197	1,152	1,107	1,062	1,017	972	927	882	837	792	748	0	0	0	0	0
2079 GH			1,595	1,549	1,503	1,457	1,410	1,364	1,318	1,272	1,226	1,180	1,134	1,088	1,042	996	950	904	858	812	766	0	0	0	0
2080 GH			1,682	1,634	1,587	1,540	1,493	1,446	1,399	1,351	1,304	1,257	1,210	1,163	1,116	1,068	1,021	974	927	880	833	785	0	0	0
2081 GH			1,772	1,724	1,675	1,627	1,579	1,530	1,482	1,434	1,385	1,337	1,289	1,240	1,192	1,143	1,095	1,047	996	950	902	853	805	0	0
2082 GH			1,866	1,816	1,767	1,717	1,668	1,618	1,569	1,519	1,469	1,420	1,370	1,321	1,271	1,222	1,172	1,123	1,073	1,023	974	924	875	825	0
2083 GH			1,963	1,912	1,862	1,811	1,760	1,709	1,659	1,608	1,557	1,506	1,455	1,405	1,354	1,303	1,252	1,201	1,151	1,100	1,049	998	947	896	846
2084 GH			2,064	2,012	1,960	1,908	1,856	1,804	1,752	1,700	1,648	1,596	1,544	1,492	1,440	1,388	1,336	1,283	1,2						

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY			182	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99
	2039 TY			187		273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106
	2040 TY				192		279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
BR	Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
BR	Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
BR	Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
CR	Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
CR	Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
CR6	Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
GH	Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
GH	Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
TC	Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	17,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR	Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
BR	Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
BR	Landfill O&M Savings		4,256	4,384	4,515	4,651									
CR	Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
CR	Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
CRG	Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
GH	Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
GH	Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
TC	Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
TC	Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BRL	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309	
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511	
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273	
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	0
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,035	1,008	982	955	928	901	875	848	821	794
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,065	1,028	1,000	973	946	918	891	864	837	810
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830	803
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828	801
GR	GR3	68	0	0	0	585	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431	
MC	MC1	303	0	0	0	1,215	1,774	1,682	1,598	1,521	1,449	1,380	1,311	1,242	1,173	1,103	1,034	965	915	872	850	818	786	754	722	690	658	626	
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808	
MC	MC4	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	
TC	TC1	363	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	785	777	759	741	723	704	686	668	650	632	
TY	TY3	71	0	0	0	566	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	
CRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	2,016	1,886	1,756	1,626	
MCWATER			0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	
TCWATER			0	0	0	1,874	2,463	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072	
GRWATER			0	0	0	5,902	7,892	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315	
GRWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,063	1,049	1,015	980	946	912	877	843	809	774	740	

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL	303	594	562	530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER	BRWATER	2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0
CRWATER	CRWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER	MCWATER	2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER	TCWATER	1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0	0
GRWATER	GRWATER	3,307	3,089	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0	0
GRWATER	GRWATER	706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0