

**Grayson RECC
Peak Day Weather Scenarios**

Winter Peak Day Minimum Temperatures				
	Normal		Extreme	
Degrees	0	-8	-11	-16
<i>Probability</i>	<i>50%</i>	<i>20%</i>	<i>10%</i>	<i>3%</i>
Occurs Once in ...	2 Years	5 Years	10 Years	30 Years

Noncoincident Winter Peak Demand - MW				
Season	Normal		Extreme	
2010 - 11	70	76	78	81
2016 - 17	77	82	84	88
2017 - 18	77	82	84	88
2018 - 19	77	82	84	88
2019 - 20	77	82	84	88
2020 - 21	77	82	84	88
2021 - 22	77	82	84	88
2022 - 23	77	82	84	88
2023 - 24	77	83	85	88
2024 - 25	77	83	85	88
2025 - 26	77	83	85	88
2026 - 27	77	83	85	89
2027 - 28	78	83	85	89
2028 - 29	77	83	85	89

Summer Peak Day Maximum Temperatures				
	Normal		Extreme	
Degrees	95	98	100	102
<i>Probability</i>	<i>50%</i>	<i>20%</i>	<i>10%</i>	<i>3%</i>
Occurs Once in ...	2 Years	5 Years	10 Years	30 Years

Noncoincident Summer Peak Demand - MW				
Year	Normal		Extreme	
2010	58	61	63	66
2011	56	60	62	64
2016	55	58	60	62
2017	55	58	60	62
2018	55	58	60	62
2019	55	58	60	62
2020	55	58	60	63
2021	55	58	60	63
2022	56	59	61	63
2023	56	59	61	63
2024	56	59	61	63
2025	56	59	62	64
2026	57	60	62	64
2027	57	60	62	64
2028	57	60	63	65
2029	58	61	63	65

*Winter**Summer*

<i>Winter</i>		<i>Summer</i>		Purchased	
Season	Non-Coincident Peak Demand	Year	Non-Coincident Peak Demand	Year	Power (MWh) Load Factor (%)
2004 - 05	70.4	2005	57.9	2005	277,815 45.0%
2005 - 06	67.2	2006	56.8	2006	265,607 45.1%
2006 - 07	79.1	2007	58.3	2007	282,214 40.7%
2007 - 08	76.8	2008	54.5	2008	285,707 42.4%
2008 - 09	80.3	2009	52.6	2009	275,446 39.2%
2009 - 10	69.6	2010	58.3	2010	287,466 47.1%
2010 - 11	70.2	2011	56.5	2011	269,142 43.8%
2011 - 12	59.7	2012	57.1	2012	260,204 49.6%
2012 - 13	63.3	2013	52.6	2013	269,549 48.6%
2013 - 14	81.7	2014	51.2	2014	270,187 37.7%
2014 - 15	86.0	2015	52.3	2015	263,079 34.9%
2015 - 16	65.5	2016	54.8	2016	268,394 46.6%
2016 - 17	76.7	2017	54.9	2017	270,983 40.3%
2017 - 18	76.6	2018	55.1	2018	271,778 40.5%
2018 - 19	76.5	2019	55.2	2019	272,448 40.6%
2019 - 20	76.6	2020	55.4	2020	273,098 40.6%
2020 - 21	76.6	2021	55.4	2021	273,622 40.8%

**Grayson RECC
2016 Load Forecast
MWh Summary**

Year	Residential Sales (MWh)	Seasonal Sales (MWh)	Small Comm. Sales (MWh)	Public Buildings (MWh)	Large Comm. Sales (MWh)	Public Street / Highway Lighting Sales (MWh)	Total Sales (MWh)	Office Use (MWh)	% Loss	Purchased Power (MWh)
2005	187,260	0	56,561	0	17,532	80	261,433	0	5.9	277,815
2006	178,207	0	56,158	0	15,636	83	250,083	0	5.8	265,607
2007	192,737	0	59,181	0	16,264	84	268,267	0	4.9	282,214
2008	194,355	0	59,492	0	16,288	81	270,216	0	5.4	285,707
2009	184,913	0	56,889	0	18,883	33	260,718	0	5.3	275,446
2010	192,055	0	58,685	0	18,569	54	269,363	0	6.3	287,466
2011	177,675	0	53,818	0	19,513	50	251,055	0	6.7	269,142
2012	173,010	0	42,679	0	28,995	51	244,734	0	5.9	260,204
2013	182,764	0	45,314	0	29,469	51	257,599	0	4.4	269,549
2014	180,714	0	44,930	0	29,123	51	254,818	0	5.7	270,187
2015	171,911	0	44,957	0	31,012	51	247,931	0	5.8	263,079
2016	176,654	0	45,421	0	30,683	51	252,809	0	5.8	268,394
2017	178,311	0	45,637	0	31,249	51	255,247	0	5.8	270,983
2018	178,361	0	45,852	0	31,732	51	255,995	0	5.8	271,778
2019	178,394	0	46,065	0	32,117	51	256,627	0	5.8	272,448
2020	178,653	0	46,226	0	32,309	51	257,239	0	5.8	273,098
2021	178,731	0	46,447	0	32,503	51	257,733	0	5.8	273,622
2022	178,695	0	46,657	0	32,698	51	258,101	0	5.8	274,013
2023	179,188	0	46,893	0	32,894	51	259,027	0	5.8	274,996
2024	180,557	0	47,085	0	33,092	51	260,786	0	5.8	276,863
2025	180,571	0	47,340	0	33,290	51	261,252	0	5.8	277,359
2026	180,877	0	48,832	0	33,490	51	263,250	0	5.8	279,480
2027	181,585	0	49,056	0	33,691	51	264,383	0	5.8	280,682
2028	182,982	0	49,287	0	33,893	51	266,214	0	5.8	282,626
2029	182,904	0	49,526	0	34,096	51	266,577	0	5.8	283,011
2030	183,203	0	49,761	0	34,301	51	267,316	0	5.8	283,796

**Grayson RECC
2016 Load Forecast
Residential Summary**

	<i>Customers</i>			<i>Use Per Customer</i>			<i>Class Sales</i>		
	Annual Average	Annual Change	% Change	Monthly Average (kWh)	Change (kWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
2005	14,067	158	1.1	1,109	54	5.1	187,260	11,140	6.3
2006	14,239	172	1.2	1,043	-66	-6.0	178,207	-9,053	-4.8
2007	14,342	103	0.7	1,120	77	7.4	192,737	14,531	8.2
2008	14,422	80	0.6	1,123	3	0.3	194,355	1,617	0.8
2009	14,386	-36	-0.2	1,071	-52	-4.6	184,913	-9,441	-4.9
2010	14,260	-126	-0.9	1,122	51	4.8	192,055	7,142	3.9
2011	14,225	-35	-0.2	1,041	-81	-7.3	177,675	-14,380	-7.5
2012	14,197	-28	-0.2	1,016	-25	-2.4	173,010	-4,665	-2.6
2013	14,180	-17	-0.1	1,074	59	5.8	182,764	9,754	5.6
2014	14,113	-67	-0.5	1,067	-7	-0.7	180,714	-2,051	-1.1
2015	14,117	4	0.0	1,015	-52	-4.9	171,911	-8,803	-4.9
2016	14,127	10	0.1	1,042	27	2.7	176,654	4,743	2.8
2017	14,137	10	0.1	1,051	9	0.9	178,311	1,657	0.9
2018	14,147	10	0.1	1,051	0	0.0	178,361	50	0.0
2019	14,157	10	0.1	1,050	-1	-0.1	178,394	33	0.0
2020	14,167	10	0.1	1,051	1	0.1	178,653	259	0.1
2021	14,181	14	0.1	1,050	-1	-0.1	178,731	78	0.0
2022	14,195	14	0.1	1,049	-1	-0.1	178,695	-37	0.0
2023	14,211	16	0.1	1,051	2	0.2	179,188	494	0.3
2024	14,228	17	0.1	1,058	7	0.6	180,557	1,369	0.8
2025	14,245	17	0.1	1,056	-1	-0.1	180,571	14	0.0
2026	14,263	18	0.1	1,057	0	0.0	180,877	306	0.2
2027	14,283	20	0.1	1,059	3	0.3	181,585	708	0.4
2028	14,302	19	0.1	1,066	7	0.6	182,982	1,397	0.8
2029	14,322	20	0.1	1,064	-2	-0.2	182,904	-79	0.0
2030	14,341	19	0.1	1,065	0	0.0	183,203	299	0.2

**Grayson RECC
2016 Load Forecast
Small Commercial Summary**

	<i>Customers</i>			<i>Use Per Customer</i>			<i>Class Sales</i>		
	Annual Average	Annual Change	% Change	Annual Average (MWh)	Change (MWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
2005	1,232	30	2.5	46	3.0	6.9	56,561	4,935	9.6
2006	1,276	44	3.6	44	-1.9	-4.1	56,158	-402	-0.7
2007	1,287	11	0.9	46	2.0	4.5	59,181	3,023	5.4
2008	1,298	11	0.9	46	-0.2	-0.3	59,492	311	0.5
2009	1,290	-8	-0.6	44	-1.7	-3.8	56,889	-2,604	-4.4
2010	1,271	-19	-1.5	46	2.1	4.7	58,685	1,796	3.2
2011	1,242	-29	-2.3	43	-2.8	-6.2	53,818	-4,867	-8.3
2012	1,189	-53	-4.3	36	-7.4	-17.2	42,679	-11,139	-20.7
2013	1,208	19	1.6	38	1.6	4.5	45,314	2,636	6.2
2014	1,222	14	1.2	37	-0.7	-2.0	44,930	-384	-0.8
2015	1,224	2	0.2	37	0.0	-0.1	44,957	26	0.1
2016	1,228	4	0.3	37	0.3	0.7	45,421	464	1.0
2017	1,233	5	0.4	37	0.0	0.1	45,637	216	0.5
2018	1,239	6	0.5	37	0.0	0.0	45,852	215	0.5
2019	1,245	6	0.5	37	0.0	0.0	46,065	213	0.5
2020	1,249	4	0.3	37	0.0	0.0	46,226	161	0.3
2021	1,255	6	0.5	37	0.0	0.0	46,447	221	0.5
2022	1,261	6	0.5	37	0.0	0.0	46,657	210	0.5
2023	1,267	6	0.5	37	0.0	0.0	46,893	236	0.5
2024	1,273	6	0.5	37	0.0	-0.1	47,085	192	0.4
2025	1,279	6	0.5	37	0.0	0.1	47,340	254	0.5
2026	1,285	6	0.5	38	1.0	2.7	48,832	1,492	3.2
2027	1,291	6	0.5	38	0.0	0.0	49,056	224	0.5
2028	1,297	6	0.5	38	0.0	0.0	49,287	232	0.5
2029	1,303	6	0.5	38	0.0	0.0	49,526	238	0.5
2030	1,309	6	0.5	38	0.0	0.0	49,761	235	0.5

**Grayson RECC
2016 Load Forecast
Large Commercial Summary**

	<i>Customers</i>			<i>Use Per Customer</i>			<i>Class Sales</i>		
	Annual Average	Annual Change	% Change	Annual Average (MWh)	Change (MWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
2005	1	0	0.0	17,532	-857	-4.7	17,532	-857	-4.7
2006	1	0	0.0	15,636	-1,896	-10.8	15,636	-1,896	-10.8
2007	1	0	0.0	16,264	629	4.0	16,264	629	4.0
2008	1	0	0.0	16,288	24	0.1	16,288	24	0.1
2009	1	0	0.0	18,883	2,595	15.9	18,883	2,595	15.9
2010	1	0	0.0	18,569	-314	-1.7	18,569	-314	-1.7
2011	2	1	100.0	9,756	-8,813	-47.5	19,513	943	5.1
2012	2	0	0.0	14,497	4,741	48.6	28,995	9,482	48.6
2013	2	0	0.0	14,734	237	1.6	29,469	474	1.6
2014	2	0	0.0	14,562	-173	-1.2	29,123	-346	-1.2
2015	2	0	0.0	15,506	944	6.5	31,012	1,889	6.5
2016	2	0	0.0	15,341	-165	-1.1	30,683	-329	-1.1
2017	2	0	0.0	15,625	283	1.8	31,249	566	1.8
2018	2	0	0.0	15,866	241	1.5	31,732	483	1.5
2019	2	0	0.0	16,058	193	1.2	32,117	385	1.2
2020	2	0	0.0	16,155	96	0.6	32,309	193	0.6
2021	2	0	0.0	16,252	97	0.6	32,503	194	0.6
2022	2	0	0.0	16,349	98	0.6	32,698	195	0.6
2023	2	0	0.0	16,447	98	0.6	32,894	196	0.6
2024	2	0	0.0	16,546	99	0.6	33,092	197	0.6
2025	2	0	0.0	16,645	99	0.6	33,290	199	0.6
2026	2	0	0.0	16,745	100	0.6	33,490	200	0.6
2027	2	0	0.0	16,845	100	0.6	33,691	201	0.6
2028	2	0	0.0	16,947	101	0.6	33,893	202	0.6
2029	2	0	0.0	17,048	102	0.6	34,096	203	0.6
2030	2	0	0.0	17,151	102	0.6	34,301	205	0.6

Grayson RECC
2016 Load Forecast
Public Street / Highway Lighting

	<i>Customers</i>			<i>Use Per Customer</i>			<i>Class Sales</i>		
	Annual Average	Annual Change	% Change	Monthly Average (kWh)	Change (kWh)	% Change	Total (MWh)	Annual Change (MWh)	% Change
2005	1	0	0.0	6,700	25	0.4	80	0	0.4
2006	1	0	0.0	6,900	200	3.0	83	2	3.0
2007	1	0	0.0	6,972	72	1.0	84	1	1.0
2008	1	0	0.0	6,741	-231	-3.3	81	-3	-3.3
2009	1	0	0.0	2,722	-4,019	-59.6	33	-48	-59.6
2010	1	0	0.0	4,497	1,775	65.2	54	21	65.2
2011	1	0	0.0	4,191	-306	-6.8	50	-4	-6.8
2012	1	0	0.0	4,217	26	0.6	51	0	0.6
2013	1	0	0.0	4,244	27	0.6	51	0	0.6
2014	1	0	0.0	4,246	2	0.0	51	0	0.0
2015	1	0	0.0	4,252	6	0.1	51	0	0.1
2016	1	0	0.0	4,264	12	0.3	51	0	0.3
2017	1	0	0.0	4,264	0	0.0	51	0	0.0
2018	1	0	0.0	4,264	0	0.0	51	0	0.0
2019	1	0	0.0	4,264	0	0.0	51	0	0.0
2020	1	0	0.0	4,264	0	0.0	51	0	0.0
2021	1	0	0.0	4,264	0	0.0	51	0	0.0
2022	1	0	0.0	4,264	0	0.0	51	0	0.0
2023	1	0	0.0	4,264	0	0.0	51	0	0.0
2024	1	0	0.0	4,264	0	0.0	51	0	0.0
2025	1	0	0.0	4,264	0	0.0	51	0	0.0
2026	1	0	0.0	4,264	0	0.0	51	0	0.0
2027	1	0	0.0	4,264	0	0.0	51	0	0.0
2028	1	0	0.0	4,264	0	0.0	51	0	0.0
2029	1	0	0.0	4,264	0	0.0	51	0	0.0
2030	1	0	0.0	4,264	0	0.0	51	0	0.0