

Case A- No System additions

winter load growth => 0.50%
summer load growth => 0.50%

2016 to 2046 Avg
3,896.8 5,021.9 2,940.3

Year/Month	Monthly total Energy (MWh)												Totals in MWh			Total	KPU	345	350	340
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Spill	Diesel	Load	% Diesel	% Diesel			
2011	0	0	0	0	0	0	0	9,395	9,395	9,395	0	0	28,185	0	266,188	0	0	10,000	13,420	6,613
2012	464	0	0	0	0	1,330	0	6,993	6,993	6,993	0	0	20,979	1,794	275,188	0.7%	1.1%	10,000	13,420	6,613
2013	1,149	0	0	0	0	1,825	0	5,120	5,120	5,120	0	0	15,359	2,974	281,987	1.1%	1.8%	10,000	13,420	6,613
2014	2,097	0	196	0	0	2,567	0	3,766	3,766	3,766	118	1,175	11,299	6,153	289,227	2.1%	3.7%	10,000	11,299	6,613
2015	3,046	179	922	189	0	3,309	0	2,962	2,962	2,962	793	2,543	8,887	10,981	296,467	3.7%	6.4%	8,887	8,887	6,613
2016	3,205	379	1,575	1,339	0	3,308	0	2,193	2,193	2,193	882	3,904	6,579	14,592	302,386	4.8%	8.3%	6,579	6,579	6,579
2017	3,361	508	1,715	1,464	85	3,409	0	2,034	2,034	2,034	1,018	4,067	6,102	15,627	303,898	5.1%	8.9%	6,102	6,102	6,102
2018	3,745	808	2,016	1,738	347	3,649	52	1,658	1,658	1,658	1,356	4,466	4,974	18,176	307,575	5.9%	10.2%	4,974	4,974	4,974
2019	3,904	939	2,158	1,864	460	3,751	166	1,543	1,543	1,543	1,495	4,631	4,630	19,369	309,113	6.3%	10.8%	4,630	4,926	4,630
2020	4,063	1,071	2,300	1,992	575	3,855	280	1,428	1,428	1,428	1,635	4,798	4,283	20,569	310,658	6.6%	11.4%	4,283	4,926	4,283
2021	4,224	1,203	2,444	2,120	690	3,959	395	1,312	1,312	1,312	1,775	4,965	3,935	21,774	312,212	7.0%	12.0%	3,935	4,926	3,935
2022	4,385	1,336	2,588	2,249	805	4,063	510	1,195	1,195	1,195	1,916	5,133	3,586	22,985	313,773	7.3%	12.6%	3,600	4,926	3,586
2023	4,547	1,470	2,732	2,378	921	4,168	626	1,078	1,078	1,078	2,058	5,302	3,234	24,202	315,341	7.7%	13.2%	3,600	4,926	3,234
2024	4,710	1,604	2,878	2,508	1,038	4,274	742	960	960	960	2,201	5,471	2,881	25,426	316,918	8.0%	13.8%	3,600	4,926	2,881
2025	4,873	1,739	3,024	2,639	1,155	4,379	859	842	842	842	2,344	5,642	2,526	26,655	318,503	8.4%	14.4%	3,600	4,926	2,526
2026	5,038	1,875	3,171	2,771	1,273	4,486	977	723	723	723	2,488	5,813	2,169	27,891	320,095	8.7%	15.0%	3,600	4,926	2,274
2027	5,203	2,011	3,318	2,903	1,391	4,593	1,095	603	603	603	2,633	5,986	1,810	29,133	321,696	9.1%	15.6%	3,600	4,926	2,274
2028	5,369	2,148	3,467	3,035	1,510	4,701	1,214	483	483	483	2,779	6,159	1,450	30,381	323,304	9.4%	16.2%	3,600	4,926	2,274
2029	5,536	2,286	3,616	3,169	1,630	4,809	1,333	363	363	363	2,925	6,333	1,088	31,636	324,921	9.7%	16.8%	3,600	4,926	2,274
2030	5,704	2,424	3,766	3,303	1,750	4,917	1,453	241	241	241	3,072	6,508	724	32,896	326,545	10.1%	17.4%	3,600	4,926	2,274
2031	5,873	2,563	3,916	3,438	1,871	5,027	1,574	119	119	119	3,219	6,684	358	34,163	328,178	10.4%	17.9%	3,600	4,926	2,274
2032	6,042	2,703	4,068	3,573	1,992	5,136	1,695	3	3	3	3,368	6,860	0	35,446	329,819	10.7%	18.5%	3,600	4,926	2,274
2033	6,212	2,843	4,220	3,709	2,114	5,247	1,816	126	126	126	3,517	7,038	0	37,095	331,468	11.2%	19.3%	3,600	4,926	2,274
2034	6,383	2,984	4,373	3,846	2,237	5,358	1,939	250	250	250	3,667	7,216	0	38,752	333,125	11.6%	20.1%	3,600	4,926	2,274
2035	6,556	3,126	4,526	3,983	2,360	5,469	2,062	375	375	375	3,818	7,395	0	40,418	334,791	12.1%	20.8%	3,600	4,926	2,274
2036	6,728	3,269	4,681	4,121	2,484	5,581	2,185	500	500	500	3,969	7,576	0	42,092	336,465	12.5%	21.6%	3,600	4,926	2,274
2037	6,902	3,412	4,836	4,260	2,608	5,693	2,310	625	625	625	4,121	7,757	0	43,774	338,147	12.9%	22.3%	3,600	4,926	2,274
2038	7,077	3,556	4,992	4,400	2,733	5,807	2,434	751	751	751	4,274	7,939	0	45,465	339,838	13.4%	23.1%	3,600	4,926	2,274
2039	7,252	3,700	5,148	4,540	2,859	5,920	2,560	878	878	878	4,428	8,122	0	47,164	341,537	13.8%	23.8%	3,600	4,926	2,274
2040	7,429	3,846	5,306	4,681	2,985	6,034	2,686	1,006	1,006	1,006	4,582	8,305	0	48,872	343,245	14.2%	24.5%	3,600	4,926	2,274
2041	7,606	3,992	5,464	4,822	3,112	6,149	2,813	1,134	1,134	1,134	4,737	8,490	0	50,588	344,961	14.7%	25.3%	3,600	4,926	2,274
2042	7,784	4,139	5,623	4,965	3,240	6,265	2,940	1,263	1,263	1,263	4,893	8,676	0	52,313	346,686	15.1%	26.0%	3,600	4,926	2,274
2043	7,963	4,287	5,783	5,108	3,368	6,381	3,068	1,392	1,392	1,392	5,050	8,862	0	54,046	348,419	15.5%	26.7%	3,600	4,926	2,274
2044	8,143	4,435	5,944	5,251	3,497	6,497	3,197	1,522	1,522	1,522	5,208	9,050	0	55,788	350,161	15.9%	27.5%	3,600	4,926	2,274
2045	8,324	4,584	6,105	5,396	3,626	6,614	3,326	1,653	1,653	1,653	5,366	9,238	0	57,539	351,912	16.4%	28.2%	3,600	4,926	2,274
2046	8,505	4,734	6,267	5,541	3,757	6,732	3,456	1,785	1,785	1,785	5,525	9,428	0	59,299	353,672	16.8%	28.9%	3,600	4,926	2,274
2047	8,688	4,884	6,431	5,687	3,887	6,850	3,586	1,917	1,917	1,917	5,685	9,618	0	61,067	355,440	17.2%	29.6%	3,600	4,926	2,274
2048	8,872	5,036	6,595	5,833	4,019	6,969	3,718	2,049	2,049	2,049	5,846	9,809	0	62,844	357,217	17.6%	30.3%	3,600	4,926	2,274
2049	9,056	5,188	6,759	5,981	4,151	7,088	3,850	2,183	2,183	2,183	6,008	10,002	0	64,630	359,003	18.0%	31.0%	3,600	4,926	2,274
2050	9,241	5,341	6,925	6,129	4,284	7,209	3,982	2,317	2,317	2,317	6,170	10,195	0	66,425	360,798	18.4%	31.7%	3,600	4,926	2,274