

**Case B- Whitman, No ST RFO**  
**No 2030 Generic hydro**

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

2016 to 2046 Avg  
 5,411.4 6,341.7 4,195.6  
 345 ft 350 ft 340 ft

Year/Month	Monthly total Energy (MWh)												Totals in MWh			Total % Diesel	KPU % Diesel	345 ft MWh	350 ft	340 ft
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Spill	Diesel	Load					
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	2,542	0	509	0	0	1,949	0	5,360	5,360	5,360	0	1,546	16,081	6,546	296,467	2.2%	3.8%	10,000	13,420	6,613
2016	2,701	0	1,162	835	0	1,948	0	4,390	4,390	4,390	0	2,907	13,169	9,553	302,386	3.2%	5.4%	10,000	13,169	6,613
2017	2,857	4	1,302	960	0	2,049	0	4,115	4,115	4,115	0	3,070	12,346	10,241	303,898	3.4%	5.8%	10,000	12,346	6,613
2018	3,241	304	1,603	1,234	0	2,289	0	3,522	3,522	3,522	0	3,469	10,566	12,139	307,575	3.9%	6.8%	10,000	10,566	6,613
2019	3,400	435	1,745	1,360	0	2,391	0	3,285	3,285	3,285	0	3,634	9,855	12,966	309,113	4.2%	7.2%	9,855	9,855	6,613
2020	3,559	567	1,887	1,488	0	2,495	0	3,047	3,047	3,047	0	3,801	9,141	13,797	310,658	4.4%	7.7%	9,141	9,141	6,613
2021	3,720	699	2,031	1,616	0	2,599	0	2,808	2,808	2,808	0	3,968	8,423	14,632	312,212	4.7%	8.1%	8,423	8,423	6,613
2022	3,881	832	2,175	1,745	0	2,703	0	2,592	2,592	2,592	73	4,136	7,775	15,545	313,773	5.0%	8.5%	7,775	7,775	6,613
2023	4,043	966	2,319	1,874	0	2,808	0	2,397	2,397	2,397	215	4,305	7,191	16,531	315,341	5.2%	9.0%	7,191	7,191	6,613
2024	4,206	1,100	2,465	2,004	0	2,914	0	2,202	2,202	2,202	358	4,474	6,605	17,521	316,918	5.5%	9.5%	6,605	6,605	6,605
2025	4,369	1,235	2,611	2,135	0	3,019	0	2,005	2,005	2,005	501	4,645	6,016	18,516	318,503	5.8%	10.0%	6,016	6,016	6,016
2026	4,534	1,371	2,758	2,267	63	3,126	0	1,829	1,829	1,829	645	4,816	5,487	19,580	320,095	6.1%	10.5%	5,487	5,487	5,487
2027	4,699	1,507	2,905	2,399	182	3,233	0	1,670	1,670	1,670	790	4,989	5,010	20,704	321,696	6.4%	11.1%	5,010	5,010	5,010
2028	4,865	1,644	3,054	2,531	301	3,341	112	1,548	1,548	1,548	936	5,162	4,643	21,945	323,304	6.8%	11.7%	4,643	4,926	4,643
2029	5,032	1,782	3,203	2,665	420	3,449	232	1,427	1,427	1,427	1,082	5,336	4,281	23,200	324,921	7.1%	12.3%	4,281	4,926	4,281
2030	5,200	1,920	3,353	2,799	540	3,557	352	1,306	1,306	1,306	1,229	5,511	3,917	24,460	326,545	7.5%	12.9%	3,917	4,926	3,917
2031	5,369	2,059	3,503	2,934	661	3,667	472	1,184	1,184	1,184	1,376	5,687	3,551	25,727	328,178	7.8%	13.5%	3,600	4,926	3,551
2032	5,538	2,199	3,655	3,069	783	3,776	593	1,061	1,061	1,061	1,525	5,863	3,183	27,000	329,819	8.2%	14.1%	3,600	4,926	3,183
2033	5,708	2,339	3,807	3,205	905	3,887	715	938	938	938	1,674	6,041	2,814	28,280	331,468	8.5%	14.7%	3,600	4,926	2,814
2034	5,879	2,480	3,960	3,342	1,027	3,998	837	814	814	814	1,824	6,219	2,443	29,566	333,125	8.9%	15.3%	3,600	4,926	2,443
2035	6,052	2,622	4,113	3,479	1,150	4,109	960	690	690	690	1,975	6,398	2,069	30,858	334,791	9.2%	15.9%	3,600	4,926	2,274
2036	6,224	2,765	4,268	3,617	1,274	4,221	1,084	565	565	565	2,126	6,579	1,694	32,157	336,465	9.6%	16.5%	3,600	4,926	2,274
2037	6,398	2,908	4,423	3,756	1,399	4,333	1,208	439	439	439	2,278	6,760	1,318	33,463	338,147	9.9%	17.1%	3,600	4,926	2,274
2038	6,573	3,052	4,579	3,896	1,524	4,447	1,333	313	313	313	2,431	6,942	939	34,775	339,838	10.2%	17.6%	3,600	4,926	2,274
2039	6,748	3,196	4,735	4,036	1,649	4,560	1,458	186	186	186	2,585	7,125	558	36,093	341,537	10.6%	18.2%	3,600	4,926	2,274
2040	6,925	3,342	4,893	4,177	1,776	4,674	1,585	58	58	58	2,739	7,308	175	37,418	343,245	10.9%	18.8%	3,600	4,926	2,274
2041	7,102	3,488	5,051	4,318	1,903	4,789	1,711	70	70	70	2,894	7,493	0	38,959	344,961	11.3%	19.5%	3,600	4,926	2,274
2042	7,280	3,635	5,210	4,461	2,030	4,905	1,839	199	199	199	3,050	7,679	0	40,684	346,686	11.7%	20.2%	3,600	4,926	2,274
2043	7,459	3,783	5,370	4,604	2,159	5,021	1,967	328	328	328	3,207	7,865	0	42,417	348,419	12.2%	21.0%	3,600	4,926	2,274
2044	7,639	3,931	5,531	4,747	2,287	5,137	2,095	458	458	458	3,365	8,053	0	44,159	350,161	12.6%	21.7%	3,600	4,926	2,274
2045	7,820	4,080	5,692	4,892	2,417	5,254	2,224	589	589	589	3,523	8,241	0	45,910	351,912	13.0%	22.5%	3,600	4,926	2,274
2046	8,001	4,230	5,854	5,037	2,547	5,372	2,354	720	720	720	3,682	8,431	0	47,670	353,672	13.5%	23.2%	3,600	4,926	2,274
2047	8,184	4,380	6,018	5,183	2,678	5,490	2,485	852	852	852	3,842	8,621	0	49,438	355,440	13.9%	24.0%	3,600	4,926	2,274
2048	8,368	4,532	6,182	5,329	2,809	5,609	2,616	985	985	985	4,003	8,812	0	51,215	357,217	14.3%	24.7%	3,600	4,926	2,274
2049	8,552	4,684	6,346	5,477	2,941	5,728	2,748	1,118	1,118	1,118	4,165	9,005	0	53,001	359,003	14.8%	25.5%	3,600	4,926	2,274
2050	8,737	4,837	6,512	5,625	3,074	5,849	2,881	1,252	1,252	1,252	4,327	9,198	0	54,796	360,798	15.2%	26.2%	3,600	4,926	2,274