

**Cheyenne Light, Fuel & Power**

**Load and Resource Balance - Preferred Plan Combined Cycle Conversion**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand	180	197	208	216	219	222	226	229	233	236	240	243	247	251	254	258	262	266	270	274
DSM	(1)	(2)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Net Peak Demand	179	195	205	213	216	219	223	226	230	233	237	240	244	248	251	255	259	263	267	271
15% reserve margin	27	29	31	32	32	33	33	34	35	35	36	37	37	38	38	39	39	39	40	41
Total Demand (including planning reserve)	206	224	236	245	248	252	256	260	265	268	273	276	281	285	289	293	298	302	307	312
<b>Resources</b>																				
Wygen II	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
2014 CT 1	0	0	0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
2014 CC	0	0	0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
2023 CT 2													36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
2030 CT 3																				36.2
2030 CT 4																				36.2
Total Resources	90.0	90.0	90.0	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	201.4	201.4	201.4	201.4	201.4	201.4	201.4	273.8
<b>Purchases</b>																				
Wygen 1 PPA*	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
NSCT2 PPA	40	40	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Happy Jack	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	0
Silver Sage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Market	25	50	50	0	25	50	50	50	50	50	50	50	25	25	50	50	50	50	50	0
Total Resources	217.5	242.5	242.5	267.7	252.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7	288.9	288.9	313.9	313.9	313.9	313.9	312.4	333.8
Reserve Margin**	5.7%	8.1%	2.9%	9.3%	1.7%	10.3%	8.3%	6.8%	5.0%	3.6%	1.9%	0.6%	3.0%	1.3%	8.7%	7.0%	5.4%	3.8%	1.7%	7.1%

\*Cheyenne Light has an option to convert the Wygen 1 PPA to utility ownership and has made the assumption that the PPA is replaced in kind

\*\*Reserve margin calculation is in excess of assumed 15% planning reserve margin.

