Nevada Generation (MWh) based on NPC and SPPC latest IRP

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Natural gas (MWh)	23,779,546	22,741,403	22,475,766	21,740,169	23,712,953	23,632,253	23,355,450	23,400,688	23,319,061	23,436,032
coal (MWh)	2,911,590	3,125,980	3,256,737	3,478,967	1,307,103	1,902,665	2,316,476	1,626,451	1,222,327	1,257,840
Renewable (MWh)	4,377,994	4,996,276	5,268,877	5,328,288	5,368,643	5,345,166	5,324,089	5,826,523	5,863,610	6,162,289
Spot Market (MWh)	885,370	1,026,237	1,232,079	1,651,803	1,741,975	1,484,469	1,686,016	1,415,821	1,700,349	1,502,749
Hoover (MWh)	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904
Total (MWh)	32,389,404	32,324,800	32,668,363	32,634,131	32,565,578	32,799,457	33,116,935	32,704,387	32,540,251	32,793,814
Fossil Fuel constraint (%)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Fossil Fuel Allowed Based on Constraint (MWh)	32,389,404	32,324,800	32,668,363	32,634,131	32,565,578	32,799,457	33,116,935	32,704,387	32,540,251	32,793,814
Fossil generation that year (MWh)	26,691,136	25,867,383	25,732,503	25,219,136	25,020,056	25,534,918	25,671,926	25,027,139	24,541,388	24,693,872
Converted to Clean Energy (MWh)	0	0	0	0	0	0	0	0	0	0
Clean Energy Equivalent Capacity (MW)	0	0	0	0	0	0	0	0	0	0
difference (additional annually)										
New renewable (RPS equivalent)	14%	15%	16%	16%	16%	16%	16%	18%	18%	19%

2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
25,003,297	25,497,383	25,895,228	26,131,011	27,007,011	27,463,864	27,291,394	26,285,268	26,282,591	26,590,636	26,590,636	26,590,636	26,590,636	26,590,636	26,590,636
6,276,310	6,268,326	6,158,888	6,141,187	5,559,721	5,564,481	5,906,446	7,338,762	7,419,532	7,601,358	7,601,358	7,601,358	7,601,358	7,601,358	7,601,358
1,344,989	1,175,311	1,244,835	1,339,510	1,320,872	1,166,205	1,338,419	1,188,354	1,424,837	1,266,157	1,266,157	1,266,157	1,266,157	1,266,157	1,266,157
434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904	434,904
33,059,500	33,375,924	33,733,855	34,046,612	34,322,508	34,629,454	34,971,163	35,247,288	35,561,864	35,893,055	35,893,055	35,893,055	35,893,055	35,893,055	35,893,055
60%	60%	60%	60%	60%	60%	60%	55%	55%	55%	55%	55%	55%	55%	50%
19,835,700	20,025,554	20,240,313	20,427,967	20,593,505	20,777,672	20,982,698	19,386,008	19,559,025	19,741,180	19,741,180	19,741,180	19,741,180	19,741,180	17,946,528
25,003,297	25,497,383	25,895,228	26,131,011	27,007,011	27,463,864	27,291,394	26,285,268	26,282,591	26,590,636	26,590,636	26,590,636	26,590,636	26,590,636	26,590,636
5,167,597	5,471,829	5,654,915	5,703,044	6,413,506	6,686,192	6,308,696	6,899,260	6,723,566	6,849,456	6,849,456	6,849,456	6,849,456	6,849,456	8,644,109
590	625	646	651	732	763	720	788	768	782	782	782	782	782	987
35%	35%	35%	35%	35%	35%	35%	40%	40%	40%	40%	40%	40%	40%	45%

Current assets with planned retirement

Name	Company	MW by year 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Reid Garndner (2017)	NPC	257	257									
Navajo 1,2,3 (2019)	NPC	255	255	255	255							
Clark 4 (2020)	NPC	54	54	54	54	54						
Harry Allen 3 (2025)	NPC	72	72	72	72	72	72	72	72	72	72	
Sunpeak 3,4,5 (2026)	NPC	210	210	210	210	210	210	210	210	210	210	210
Clark 9,10 (9 - 2033, 10 - 2034)	NPC	430	430	430	430	430	430	430	430	430	430	430
Harry Allen 4 (2036)	NPC	72	72	72	72	72	72	72	72	72	72	72
LV CoGen I (2038)	NPC	50	50	50	50	50	50	50	50	50	50	50
LV CoGen II (2038	NPC	224	224	224	224	224	224	224	224	224	224	224
SilverHawk (2039)	NPC	390	390	390	390	390	390	390	390	390	390	390
Higgins (2039)	NPC	530	530	530	530	530	530	530	530	530	530	530
Goodsprings (2040)	NPC	5	5	5	5	5	5	5	5	5	5	5
Lenzie 1 (2041)	NPC	551	551	551	551	551	551	551	551	551	551	551
Lenzie 2 (2041)	NPC	551	551	551	551	551	551	551	551	551	551	551
Clark Mountain C.T. 3,4 (2024)	SPPC	132	132	132	132	132	132	132	132	132		
Ft. Churchill 1 (2025)	SPPC	113	113	113	113	113	113	113	113	113	113	
Ft. Churchill 2 (2028)	SPPC	113	113	113	113	113	113	113	113	113	113	113
Tracy 1 (2014)	SPPC											
Tracy 2 (2014)	SPPC											
Tracy 4,5 (2031)	SPPC	108	108	108	108	108	108	108	108	108	108	108
Tracy 8,9,10 (2043)	SPPC	541	541	541	541	541	541	541	541	541	541	541
Valmy 1 (2021)	SPPC	127	127	127	127	127	127	127	127	127	127	
Valmy 2 (2025)	SPC	134	134	134	134	134	134	134	134	134	134	
Total Cummalitve MW Retiring		0	257	257	512	566	566	566	566	698	1144	1354
Clean Energy Goals												590

Planned new assets

Name	Company	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
1 - Silver Hawk Acquisition	NPC		130	130	130	130	130	130	130	130	130	130
1 - 2 x 1 CC SN 706 MW 2020 (Common)	NPC					706	706	706	706	706	706	706
2 - CT SN 93 MW 2022 (Common)	NPC							186	186	186	186	186
1 - 2 x 1 CC SN 706 MW 2023 (Common)	NPC								706	706	706	706
4 - CT SN 93 MW 2027 (Common)	NPC											
1 - 1x1 CC SN 283 MW 2030 (Common)	NPC											
1 - 2x1 CC SN 706 MW 2035 (Common)	NPC											
8 - CT SN 93 MW 2039	NPC											
2- 2x1 CC SN 706 MW 2040 (Common)	NPC											
2x1 CC 22	SPPC							571	571	571	571	571
2x1 CC 25	SPPC										571	571
4x LMS 100 29	SPPC											
Total Cummulative MW New		0	130	130	130	836	836	1593	2299	2299	2870	2870

2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
430	430	430	430	430	430	430	215							
72	72	72	72	72	72	72	72	72	72					
50	50	50	50	50	50	50	50	50	50	50	50			
224	224	224	224	224	224	224	224	224	224	224	224			
390	390	390	390	390	390	390	390	390	390	390	390	390		
530	530	530	530	530	530	530	530	530	530	530	530	530		
5	5	5	5	5	5	5	5	5	5	5	5	5	5	
551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
113	113													
108	108													
541	541	541	541	541	541	541	541	541	541	541	541	541	541	541
1354	1575	1575	1575	1575	1575	1575	1790	1790	1862	1862	1912	2962	3673	3673
625	646	651	732	763	720	788	768	782	782	782	782	782	987	987
130	130	130	130	130	130	130	130	130	130	130	130	130		
706	706	706	706	706	706	706	706	706	706	706	706	706	706	
186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
706	706	706	706	706	706	706	706	706	706	706	706	706	706	706
372	372	372	372	372	372	372	372	372	372	372	372	372	372	372
			283	283	283	283	283	283	283	283	283	283	283	283
								706	706	706	706	706	706	706
												744	744	744
													1412	1412
571	571	571	571	571	571	571	571	571	571	571	571	571	571	571
571	571	571	571	571	571	571	571	571	571	571	571	571	571	571
		316	316	316	316	316	316	316	316	316	316	316	316	316
3242	3242	3558	3841	3841	3841	3841	3841	4547	4547	4547	4547	5161	5867	5867

NEVADA POWER COMPANY - 2015 NPC IRP
Case B - Silverhawk

	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
	GROSS SYSTEM PEAK LOAD FORECAST (January 2015)	5,976	6,090	6,174	6,241	6,307	6,382	6,484	6,568	6,643	6,711	6,791	6,870	6,967	7,038	7,123
	DSM	61	95	126	154	163	212	241	261	276	290	303	316	329	342	355
	Net Metering	66	88	96	98	100	101	103	105	109	111	113	115	116	118	120
	Demand Response	201	215	222	243	247	254	262	272	273	276	284	288	294	292	294
	SYSTEM PEAK LOAD FORECAST (1) (January 2015 Load Forec:	5,648	5,692	5,730	5,746	5,777	5,815	5,878	5,930	5,985	6,034	6,091	6,151	6,228	6,286	6,354
	SNWA Obligation	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NET SYSTEM PEAK LOAD	5,773	5,692	5,730	5,746	5,777	5,815	5,878	5,930	5,985	6,034	6,091	6,151	6,228	6,286	6,354
	Planning Reserve Requirement (12%)	693	683	688	690	693	698	705	712	718	724	731	738	747	754	762
	REQUIRED RESOURCES	6,466	6,375	6,418	6,436	6,470	6,513	6,583	6,642	6,703	6,758	6,822	6,889	6,975	7,040	7,116
	GENERATION RESOURCES (Itemized) (Retire Date, 12/31/YYYY)															
	Existing Generation Resources															
	Reid Gardner 4 - Base (2017)	257	257	-	-	-	-	-	-	-	-	-	-	-	-	-
IMPNL	Navajo 1,2,3 (2019)	255	255	255	255	-	-	-	-	-	-	-	-	-	-	-
	Clark 4 (2020)	54	54	54	54	54	-	-	-	-	-	-	-	-	-	-
	Harry Allen 3 (2025)	72	72	72	72	72	72	72	72	72	72	-	-	-	-	-
	Sunpeak 3,4,5 (2026)	210	210	210	210	210	210	210	210	210	210	210	-	-	-	-
	Clark 9,10 (9 - 2033, 10 - 2034)	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430
	Harry Allen 4 (2036)	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
	LV CoGen I (2038)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	LV CoGen II (2038)	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224
	Clark Peakers 11-22 (2038)	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619
	Silverhawk (75% Share) (2039)	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390
	Higgins (2039)	530	530	530	530	530	530	530	530	530	530	530	530	530	530	530
	Goodsprings (2040)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Nellis2 15MW PV (2040)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Lenzie 1 (2041)	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
	Lenzie 2 (2041)	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
	Harry Allen 5,6,7 (2046)	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484
	Total Existing Generation Resources	4,760	4,760	4,503	4,503	4,248	4,194	4,194	4,194	4,194	4,194	4,122	3,912	3,912	3,912	3,912
	Planned Resources (6/1/YYYY) (Non-ERCR)															
	1 - Acquire Silverhawk 2017		130	130	130	130	130	130	130	130	130	130	130	130	130	130
	1 - 2X1 CC SN 706 MW 2020 (Common)					706	706	706	706	706	706	706	706	706	706	706
	2 - CT SN 93 MW 2022 (Common)							186	186	186	186	186	186	186	186	186
	1 - 2X1 CC SN 706 MW 2023 (Common)								706	706	706	706	706	706	706	706
	2 - CT SN 93 MW 2027 (Common)												372	372	372	372
	1 - 1X1 CC SN 283 MW 2030 (Common)															283
	1 - 2X1 CC SN 706 MW 2035 (Common)															
	2 - CT SN 93 MW 2039															
	1 - 2X1 CC SN 706 MW 2040 (Common)															
	2 - 2X1 CC SN 706 MW 2042 (Common)															
	Total Planned Resources (Non ERCR)	-	130	130	130	836	836	1,022	1,728	1,728	1,728	1,728	2,100	2,100	2,100	2,383
	Planned Resources (ERCR)															
	PV_5 MW _2016_(COD: 12/1/2016)	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	PV_10 MW _2017_(COD: 12/1/2017)	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4
	PV_10 MW _2018_(COD: 12/1/2018)	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4
	1 - SC ERCR 54 MW_2018	-	-	54	54	54	54	54	54	54	54	54	54	54	54	54
	PV_10 MW _2021_(COD: 12/1/2021)	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4
	Total Planned Resources (ERCR)	-	2	60	64	64	64	67	67	67	67	67	67	67	67	67
	TOTAL GENERATION RESOURCES	**4,760**	**4,892**	**4,692**	**4,696**	**5,147**	**5,093**	**5,283**	**5,989**	**5,989**	**5,989**	**5,917**	**6,079**	**6,079**	**6,079**	**6,362**

Nevada Power's 2015 IRP

ECON-6

NEVADA POWER COMPANY - 2015 NPC IRP
Case B - Silverhawk

	Description	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	GROSS SYSTEM PEAK LOAD FORECAST (January 2015)	7,203	7,283	7,365	7,443	7,503	7,563	7,623	7,684	7,746	7,808	7,871	7,934	7,998	8,062	8,127
	DSM	368	381	389	395	399	399	399	399	399	399	399	399	399	399	399
	Net Metering	121	123	125	126	128	128	128	128	128	128	128	128	128	128	128
	Demand Response	299	312	316	316	318	318	318	318	318	318	318	318	318	318	318
	SYSTEM PEAK LOAD FORECAST (1) (January 2015 Load Forec	6,415	6,467	6,535	6,606	6,658	6,718	6,778	6,839	6,901	6,963	7,026	7,089	7,153	7,217	7,282
	SNWA Obligation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NET SYSTEM PEAK LOAD	6,415	6,467	6,535	6,606	6,658	6,718	6,778	6,839	6,901	6,963	7,026	7,089	7,153	7,217	7,282
	Planning Reserve Requirement (12%)	770	776	784	793	799	806	813	821	828	836	843	851	858	866	874
	REQUIRED RESOURCES	7,185	7,243	7,319	7,399	7,457	7,524	7,591	7,660	7,729	7,799	7,869	7,940	8,011	8,083	8,156
	GENERATION RESOURCES (Itemized) (Retire Date, 12/3															
	Existing Generation Resources															
	Reid Gardner 4 - Base (2017)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IMPNL	Navajo 1,2,3 (2019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Clark 4 (2020)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Harry Allen 3 (2025)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sunpeak 3,4,5 (2026)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Clark 9,10 (9 - 2033, 10 - 2034)	430	430	430	215	-	-	-	-	-	-	-	-	-	-	-
	Harry Allen 4 (2036)	72	72	72	72	72	72	-	-	-	-	-	-	-	-	-
	LV CoGen I (2038)	50	50	50	50	50	50	50	50	-	-	-	-	-	-	-
	LV CoGen II (2038)	224	224	224	224	224	224	224	224	-	-	-	-	-	-	-
	Clark Peakers 11-22 (2038)	619	619	619	619	619	619	619	619	-	-	-	-	-	-	-
	Silverhawk (75% Share) (2039)	390	390	390	390	390	390	390	390	390	-	-	-	-	-	-
	Higgins (2039)	530	530	530	530	530	530	530	530	530	-	-	-	-	-	-
	Goodsprings (2040)	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-
	Nellis2 15MW PV (2040)	6	6	6	6	6	6	6	6	6	6	-	-	-	-	-
	Lenzie 1 (2041)	551	551	551	551	551	551	551	551	551	551	551	-	-	-	-
	Lenzie 2 (2041)	551	551	551	551	551	551	551	551	551	551	551	-	-	-	-
	Harry Allen 5,6,7 (2046)	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484
	Total Existing Generation Resources	3,912	3,912	3,912	3,697	3,482	3,482	3,410	3,410	2,517	1,597	1,586	484	484	484	484
	Planned Resources (8/1/2014) (Non-ERCR)															
	1 - Acquire Silverhawk (2017)	130	130	130	130	130	130	130	130	130						
	1 - 2X1 CC SN 706 MW 2020 (Common)	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706
	1 - GT SN 93 MW 2022 (Common)	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
	1 - 2X1 CC SN 706 MW 2023 (Common)	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706
	1 - GT SN 93 MW 2027 (Common)	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372
	1 - 1X1 CC SN 283 MW 2030 (Common)	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283
	1 - 2X1 CC SN 706 MW 2035 (Common)	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706
	1 - GT SN 93 MW 2039	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744
	1 - 2X1 CC SN 706 MW 2040 (Common)	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412
	1 - 2X1 CC SN 706 MW 2042 (Common)	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412
	Total Planned Resources (Non ERCR)	2,383	2,383	2,383	2,383	3,089	3,089	3,089	3,089	3,833	5,115	5,115	6,527	6,527	6,527	6,527
	Planned Resources (ERCR)															
	PV_5 MW _2016_(COD: 12/1/2016)	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-
	PV_10 MW _2017_(COD: 12/1/2017)	4	4	4	4	4	4	4	4	4	4	4	4	-	-	-
	PV_10 MW _2018_(COD: 12/1/2018)	4	4	4	4	4	4	4	4	4	4	4	4	4	-	-
	1 - SC ERCR 54 MW_2018	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
	PV_10 MW _2021_(COD: 12/1/2021)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Total Planned Resources (ERCR)	67	67	67	67	67	67	67	67	67	67	67	66	62	58	58
	TOTAL GENERATION RESOURCES	6,362	6,362	6,362	6,147	6,638	6,638	6,566	6,566	6,417	6,779	6,768	7,077	7,073	7,069	7,069

Nevada Power's IRP

ECON-6

Sierra's 2013 IRP

FIGURE LR-1A- L&R TABLE CASE 4 – BASE LOAD (2014-2028)

SIERRA PACIFIC POWER COMPANY
Base Load - CASE 4 - Preferred Plan

	Description	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	GROSS SYSTEM PEAK LOAD FORECAST	1,706	1,744	1,797	1,847	1,882	1,898	1,922	1,945	1,974	1,997	2,027	2,044	2,067	2,087	2,106
	DSM	16	27	37	45	53	62	69	77	85	92	99	106	113	117	117
	Net Metering	6	8	10	12	13	16	18	18	19	20	20	21	21	22	22
	Demand Response	5	18	43	58	58	58	58	58	58	58	58	58	58	58	58
	SYSTEM PEAK LOAD FORECAST (Jan 2013 Forecast)	1,679	1,691	1,707	1,732	1,758	1,762	1,777	1,792	1,812	1,827	1,850	1,859	1,875	1,890	1,909
	Planning Reserve Requirement (15%)	252	254	256	260	264	264	267	269	272	274	278	279	281	284	286
	REQUIRED RESOURCES	1,931	1,945	1,963	1,992	2,022	2,026	2,044	2,061	2,084	2,101	2,128	2,138	2,156	2,174	2,195
	RESOURCES (Itemized)															
	Existing Internal Generation Facilities (Retire Date, 12/31/xx)															
	Clark Mountain C.T. 3, 4 (2024)	132	132	132	132	132	132	132	132	132	132	132	-	-	-	-
	Ft. Churchill 1 (2025)	113	113	113	113	113	113	113	113	113	113	113	113	-	-	-
	Ft. Churchill 2 (2028)	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
	Tracy 1 (2014)	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tracy 2 (2014)	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tracy 3 (2028)	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
	Tracy 4, 5 (Piñon Pine) (2031)	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
	Tracy 8, 9, 10 (2043)	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541
	Valmy 1 (2021) (2025)	127	127	127	127	127	127	127	127	-	-	-	-	-	-	-
	Valmy 2 (2025)	134	134	134	134	134	134	134	134	134	134	134	134	-	-	-
	Total Existing Generation	1,508	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,245	1,245	1,245	1,113	866	866	866
	Planned Internal Generation Facilities															
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2x1_CC_22	-	-	-	-	-	-	-	-	571	571	571	571	571	571	571
	2x1_CC_25	-	-	-	-	-	-	-	-	-	-	-	571	571	571	571
	4x_LMS 100_29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Planned Internal Generation	-	-	-	-	-	-	-	-	571	571	571	1,142	1,142	1,142	1,142
	Planned Generation Facilities Requiring Import Rights															
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IMP	**Total Planned Generation Requiring Imports**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Planned Generation	-	-	-	-	-	-	-	-	571	571	571	1,142	1,142	1,142	1,142
	Less Scheduled Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL GENERATION	1,508	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,816	1,816	1,816	2,255	2,008	2,008	2,008

FIGURE LR-1C - L&R TABLE CASE 4 – BASE LOAD (2029 – 2043)

Sierra's 2013 IRP

SIERRA PACIFIC POWER COMPANY
Base Load - CASE 4 - Preferred Plan

	Description	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
	GROSS SYSTEM PEAK LOAD FORECAST	2,133	2,142	2,155	2,174	2,191	2,205	2,219	2,233	2,247	2,261	2,275	2,290	2,305	2,320	2,335
	DSM	117	118	118	118	119	119	119	119	119	119	119	119	119	119	119
	Net Metering	24	25	25	26	26	26	26	26	26	26	26	26	26	26	26
	Demand Response	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
	SYSTEM PEAK LOAD FORECAST (Jan 2013 Forecast)	1,934	1,941	1,954	1,972	1,988	2,002	2,016	2,030	2,044	2,058	2,072	2,087	2,102	2,117	2,132
	Planning Reserve Requirement (15%)	290	291	293	296	298	300	302	305	307	309	311	313	315	318	320
	REQUIRED RESOURCES	2,224	2,232	2,247	2,268	2,286	2,302	2,318	2,335	2,351	2,367	2,383	2,400	2,417	2,435	2,452
	RESOURCES (Itemized)															
	Existing Internal Generation Facilities (Retire Date, 12/31/xx)															
	Clark Mountain C.T. 3, 4 (2024)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ft. Churchill 1 (2025)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ft. Churchill 2 (2028)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tracy 1 (2014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tracy 2 (2014)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tracy 3 (2028)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tracy 4, 5 (Piñon Pine) (2031)	104	104	104	-	-	-	-	-	-	-	-	-	-	-	-
	Tracy 8, 9, 10 (2043)	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541
	Valmy 1 (2021)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Valmy 2 (2025)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Existing Generation	645	645	645	541	541	541	541	541	541	541	541	541	541	541	541
	Planned Internal Generation Facilities															
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2x1_CC_22	571	571	571	571	571	571	571	571	571	571	571	571	571	571	571
	2x1_CC_25	571	571	571	571	571	571	571	571	571	571	571	571	571	571	571
	4x_LMS 100_29	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Planned Internal Generation	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
	Planned Generation Facilities Requiring Import Rights															
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IMP	**Total Planned Generation Requiring Imports**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Planned Generation	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
	Less Scheduled Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL GENERATION	2,103	2,103	2,103	1,999	1,999	1,999	1,999	1,999	1,999	1,999	1,999	1,999	1,999	1,999	1,999