

2017

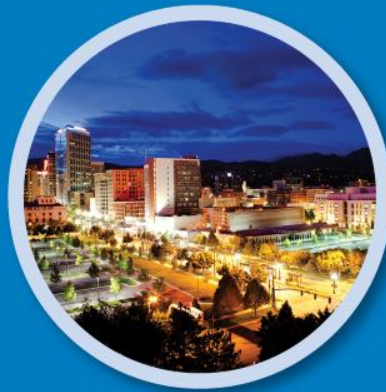
IRP Portfolio Summaries

Public Input Meeting 7
January 26-27, 2017



2017 Integrated Resource Plan

Portfolio Summaries: Regional Haze Cases



Reference Portfolio

I17_VOL3_REF		Capacity (MW)																				Resource Totals	
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year
East	Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	-	(45)
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	-	(33)
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	(358)
	Coal Ret. AZ - Gas RePower	-	-	-	-	-	-	-	-	387	-	-	-	-	-	-	-	-	-	-	-	387	387
	Coal Ret. WY - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	-	285	-
	Expansion Resources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	200
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	762
	Wind, Djohnston	-	-	-	-	-	-	-	-	-	-	-	-	-	617	145	-	-	-	-	-	-	762
	Wind, WYAE	-	-	-	-	299	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	299	300
	Total Wind	-	-	-	-	299	-	-	-	-	-	-	-	-	617	145	-	1	-	-	-	299	1,062
	Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226	155	-	381
	DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	1.3	-	4.7
	DSM, Class 2, ID	5	5	7	6	6	5	5	5	5	5	5	5	5	4	4	4	3	3	2	2	54	92
	DSM, Class 2, UT	84	58	56	59	62	58	57	66	63	65	61	57	57	57	56	47	42	35	33	33	627	1,106
	DSM, Class 2, WY	8	10	11	10	11	13	14	14	14	14	12	11	10	10	10	9	8	7	7	7	119	210
	DSM, Class 2 Total	97	73	74	75	78	77	76	85	82	84	78	73	72	72	71	60	53	45	42	42	801	1,409
	FOT Mona - SMR	-	-	-	-	-	-	-	-	-	-	-	29	98	300	300	248	300	300	300	300	-	109
West	Expansion Resources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Utility Solar - PV - S-Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	295	-	-	-	-	405
	Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	344	55	73	-	-	471
	DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	2.4
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	118.1	3.3	-	-	-	-	-	-	121.5
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13	21
	DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	310	474
	DSM, Class 2, WA	10	8	9	8	9	9	9	8	8	8	7	6	6	6	5	4	3	3	2	2	87	130
	DSM, Class 2 Total	57	53	52	46	41	37	33	33	29	27	26	24	23	23	22	22	20	19	19	19	409	626
	Geothermal, Greenfield - West	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	30
	FOT COB - SMR	-	-	-	-	-	-	-	-	-	-	-	400	400	400	400	400	400	400	400	400	-	180
	FOT MidColumbia - SMR	399	400	400	400	378	400	360	341	400	400	400	400	400	400	400	400	400	400	400	400	388	394
	FOT MidColumbia - SMR - 2	-	276	112	46	-	23	-	-	64	-	65	375	375	375	375	375	375	375	375	375	52	198
	FOT NOB - SMR	100	100	100	100	-	9	7	67	100	100	100	100	100	100	100	100	100	100	100	100	68	84
	FOT MidColumbia - WTR	281	-	275	-	323	311	309	-	300	-	292	-	400	46	-	395	400	400	62	384	180	189
	FOT MidColumbia - WTR2	-	331	-	310	-	-	-	290	298	-	292	-	301	57	375	319	-	35	375	375	123	168
	FOT NOB - WTR	-	-	-	-	-	-	-	-	53	54	8	10	15	100	100	97	100	100	100	100	11	42
	Existing Plant Retirements/Conversions	-	-	5	-	-	-	-	-	-	(82)	-	(762)	-	(642)	(78)	-	(358)	-	(82)	-	-	-
Annual Additions, Long Term Resources		154	126	126	122	418	114	109	117	112	111	105	97	95	1,080	350	284	716	122	364	228	-	-
Annual Additions, Short Term Resources		779	1,107	887	856	701	743	676	698	915	854	865	1,606	1,689	2,132	2,096	1,939	2,070	2,110	2,112	2,434	-	-
Total Annual Additions		933	1,234	1,013	978	1,119	857	784	815	1,027	965	970	1,703	1,784	3,212	2,447	2,224	2,786	2,232	2,476	2,662	-	-

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Regional Haze Case 1 Portfolio

I17_VOL3_RH1		Capacity (MW)																				Resource Totals I/ 20-year		
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year	
East	Existing Plant Retirements/Conversions																							
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)	
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	-	(45)	
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	-	(33)	
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)	
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)	
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)	
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)	
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)	
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	(156)	
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	(201)	
	Naughton 3 (Coal Early Retirement/Conversions)	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)	
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	(358)	
	Coal Ret_WY - Gas RePower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Expansion Resources																							
	CCCT - DJohns - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	477
	CCCT - Utah-S - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	477	953
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	200
	Wind, Djohnston	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-	165	86	-	-	-	-	285
	Wind, WYAE	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	300
	Total Wind	-	-	-	-	300	-	-	-	-	-	-	-	-	35	-	-	165	86	-	-	-	300	585
	Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	321	41	291	46	-	699
	DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	1.3	-	4.7
	DSM, Class 1, ID-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	1.9
	DSM, Class 2, UT	84	58	62	59	62	68	66	66	68	65	65	61	57	57	58	49	44	37	34	35	656	1,152	
	DSM, Class 2, WY	8	10	11	10	13	13	14	15	14	14	12	13	11	11	11	9	8	7	7	7	122	218	
	DSM, Class 2 Total	97	74	79	75	81	86	85	86	89	84	82	78	73	73	73	62	55	47	43	44	835	1,465	
	FOT Mona - SMR	-	-	-	-	-	-	-	-	-	27	27	300	300	108	195	300	300	300	300	300	3	123	
West	Existing Plant Retirements/Conversions																							
	JimBridger 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	(354)	
	JimBridger 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	(359)	
	Expansion Resources																							
	CCCT - WilliamValce - G 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	436	
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	
	Utility Solar - PV - S-Oregon	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	15	
	Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	217	7	-	-	224	
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	93.5	24.7	-	3.3	-	-	-	-	-	121.5	
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13	22	
	DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	310	474	
	DSM, Class 2, WA	10	9	9	8	10	9	9	8	8	7	7	6	6	5	4	3	3	2	2	2	89	134	
	DSM, Class 2 Total	57	54	52	46	42	37	34	33	29	27	27	25	24	23	22	22	20	19	19	18	412	630	
	Geothermal, Greenfield - West	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	30	
	FOT COB - SMR	-	-	-	-	-	-	-	-	279	188	249	400	400	400	400	400	400	400	400	364	47	214	
	FOT MidColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
	FOT MidColumbia - SMR - 2	-	275	375	310	56	167	95	135	375	375	375	375	375	375	375	375	375	375	375	375	216	296	
	FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	FOT MidColumbia - WTR	281	331	275	-	-	310	-	289	297	-	-	400	91	249	290	352	-	16	394	400	178	199	
	FOT MidColumbia - WTR2	-	-	-	310	322	-	308	-	-	299	290	21	375	-	-	-	351	375	-	251	124	145	
	FOT NOB - WTR	-	-	-	-	-	-	-	-	-	53	54	8	100	100	86	97	100	100	100	100	100	11	50
	Existing Plant Retirements/Conversions		-	(280)	-	-	-	-	-	-	(387)	(82)	-	(762)	-	(357)	(78)	-	(712)	-	(82)	(359)		
	Annual Additions, Long Term Resources		154	128	131	122	423	123	118	119	118	112	109	417	195	737	98	252	1,178	117	356	597		
	Annual Additions, Short Term Resources		779	1,106	1,150	1,119	877	976	903	924	1,503	1,442	1,449	2,096	2,141	1,717	1,857	2,027	2,026	2,066	2,069	2,290		
	Total Annual Additions		933	1,234	1,281	1,241	1,300	1,100	1,021	1,042	1,621	1,554	1,558	2,513	2,336	2,454	1,955	2,278	3,204	2,184	2,425	2,887		
1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.																								

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Regional Haze Case 2 Portfolio

I17_VOL3_RH2		Capacity (MW)																				Resource Totals			
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year		
East	Existing Plant Retirements/Conversions																								
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	(82)		
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)		
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	(45)		
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	(33)		
	Hunter 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(418)	-	-	-	-	(418)		
	Hunter 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(269)	-	-	-	-	(269)		
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	(269)	-	-	-	-	(387)	(387)	
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	(106)	(106)	
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	(106)	(106)	
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	(220)	(220)	
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	(330)	
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	(156)	
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	(201)	
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)	
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	(358)	
	Coal Ret. CO - Gas RePower	-	-	-	-	-	-	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	82	
	Coal Ret. WY - Gas RePower	-	-	-	285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	285	
	Expansion Resources																								
	CCCT - Dlohas - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477	
	CCCT - Utah-S - G 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	389	-	-	-	-	389	
	CCCT - Utah-S - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	477	389	-	-	-	-	1,342	
	SCCT Frame DJ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	200	
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	200	
	Wind, Djohnston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	85	
	Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	593	593	
	Wind, WYAE	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	300	
	Total Wind	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	593	979	
Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	383	48	315	54	-	800		
DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	4.7		
DSM, Class 2, ID	5	7	7	6	6	5	5	6	6	6	6	5	5	5	4	4	4	3	3	3	3	57	96		
DSM, Class 2, UT	84	58	62	59	62	64	66	66	68	65	65	61	57	57	58	47	44	37	34	35	653	1,146			
DSM, Class 2, WY	8	10	11	10	13	13	14	15	14	14	12	13	10	10	11	8	8	7	7	7	122	215			
DSM, Class 2 Total	97	74	79	75	81	83	85	86	89	84	82	78	72	72	73	59	55	47	43	44	832	1,457			
FOT Mono - SMR	-	-	-	-	-	-	-	-	-	-	-	-	300	71	272	300	279	300	300	300	300	-	121		
Existing Plant Retirements/Conversions																									
JimBridger 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	-	-	-	-	-	-	(354)	(354)		
JimBridger 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	-	-	-	-	(359)		
Expansion Resources																									
CCCT - WillamValce - G 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436		
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436		
Utility Solar - PV - S-Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	54		
DSM, Class 1, WA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1		
DSM, Class 1, WA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8		
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.5	17.7	3.3	-	-	-	-	-	114.5		
DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13	20		
DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	310	474			
DSM, Class 2, WA	10	8	9	8	9	9	9	9	8	8	7	6	6	5	5	4	3	3	2	2	87	131			
DSM, Class 2 Total	57	53	52	46	41	37	34	33	29	27	26	25	23	23	22	21	20	19	19	18	410	625			
FOT COB - SMR	-	-	-	-	-	-	-	-	347	283	344	400	400	400	400	400	400	400	400	400	367	63	227		
FOT MidColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400		
FOT MidColumbia - SMR - 2	-	276	107	41	153	266	194	234	375	375	375	375	375	375	375	375	375	375	375	375	202	288			
FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
FOT MidColumbia - WTR	281	-	275	-	-	-	-	290	298	-	-	-	-	300	375	368	-	-	317	319	400	114	161		
FOT MidColumbia - WTR2	-	331	-	310	323	311	309	-	-	300	292	291	-	-	-	-	306	276	-	-	210	188	163		
FOT NOB - WTR	-	-	-	-	-	-	-	-	53	54	8	10	-	100	100	45	100	100	100	100	100	11	38		
Existing Plant Retirements/Conversions																									
Annual Additions, Long Term Resources	154	128	131	122	421	120	118	119	118	111	109	171	765	599	237	960	1,094	1,117	381	721	-	-	-		
Annual Additions, Short Term Resources	779	1,106	882	851	975	1,077	1,003	1,024	1,572	1,512	1,520	1,876	1,647	2,022	2,043	1,904	1,951	1,992	1,994	2,252	-	-	-		
Total Annual Additions	933	1,234	1,013	973	1,397	1,196	1,122	1,143	1,690	1,623	1,628	2,047	2,412	2,621	2,280	2,864	3,046	2,108	2,375	2,974	-	-	-		
1/ EPCOT office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average																									

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Regional Haze Case 3 Portfolio

I17_VOL3_RH3		Capacity (MW)																				Resource Totals 1/		
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year	
East	Existing Plant Retirements/Conversions																							
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)	
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	-	(45)	
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	-	(33)	
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	(358)
	Expansion Resources																							
	CCCT - DJohns - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	SCCT Frame DJ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200
	SCCT Frame ID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	200
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	200
	Wind, Dphnston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	85
	Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	800	-	-	800
	Wind, WYAE	-	-	-	-	235	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	235	300
	Total Wind	-	-	-	-	235	-	-	-	-	-	-	-	-	-	-	-	-	151	-	800	-	235	1,185
	Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	712	33	60	-	-	805
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	208.4	-	-	-	-	14.0	3.1	3.7	3.1	-	232.2
	DSM, Class 2, ID	5	7	7	6	6	6	6	6	6	6	5	5	5	5	5	5	4	4	3	3	2	58	98
	DSM, Class 2, UT	84	62	62	59	70	68	66	67	72	69	65	65	57	60	59	51	45	40	48	24	679	1,192	
	DSM, Class 2, WY	8	10	11	12	13	13	15	15	14	14	13	13	12	11	11	10	9	8	9	5	125	227	
	DSM, Class 2 Total	97	78	79	77	89	87	86	88	92	88	83	83	74	76	75	65	58	51	60	31	862	1,517	
	Battery Storage - East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	-	-	-	8
	FOT Mona - SMR	-	-	-	-	-	-	-	-	-	-	27	27	300	127	91	188	300	300	300	300	272	3	112
	West	Existing Plant Retirements/Conversions																						
JimBridger 1 (Coal Early Retirement/Conversions)		-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	-	(354)	
JimBridger 2 (Coal Early Retirement/Conversions)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	-	(359)	
Expansion Resources																								
CCCT - WilliamValc - G 1st		-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436	
DSM, Class 1, WA-Curtail		-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	-	-	-	9.1	
DSM, Class 1, WA-Irrigate		-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	-	4.8	
DSM, Class 1 Total		-	-	-	-	-	-	-	-	-	-	-	108.9	-	-	-	-	12.6	-	-	-	-	121.5	
DSM, Class 2, CA		2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13	21	
DSM, Class 2, OR		46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	310	474	
DSM, Class 2, WA		10	9	9	8	9	9	9	9	8	8	7	6	5	5	5	4	3	3	2	2	88	130	
DSM, Class 2 Total		57	54	52	46	41	37	34	33	29	27	26	25	23	22	22	21	20	19	19	18	410	625	
Geothermal, Greenfield - West		-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	-	30	
FOT COB - SMR		-	-	17	-	-	-	-	-	311	221	286	400	400	400	400	400	400	400	400	360	55	220	
FOT MidColumbia - SMR		400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
FOT MidColumbia - SMR - 2		4	284	375	330	83	196	126	166	375	375	375	375	375	375	375	375	375	375	375	375	231	303	
FOT NOB - SMR		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
FOT MidColumbia - WTR	281	331	275	-	322	311	-	290	298	-	42	-	-	292	306	292	-	-	-	400	211	172		
FOT MidColumbia - WTR2	-	-	-	310	-	-	309	-	-	301	292	375	301	251	-	-	-	327	330	152	92	147		
FOT NOB - WTR	-	-	-	-	-	-	-	-	54	55	10	100	9	-	-	76	100	100	100	100	11	35		
Existing Plant Retirements/Conversions																						-	(280)	
Annual Additions, Long Term Resources																						154	132	
Annual Additions, Short Term Resources																						784	1,115	
Total Annual Additions																						938	1,247	
1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.																								

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Regional Haze Case 4 Portfolio

I17_VOL3_RH4		Capacity (MW)																				Resource Totals		
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year	
East	Existing Plant Retirements/Conversions																							
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)	
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	-	(45)	
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	-	(33)	
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	-	(220)
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	-	(358)
	Coal Ret. WY - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	285
	Expansion Resources																							
	CCCT - DJohns - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	477
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	200
	Wind, Djohnston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	-	-	-	-	-	285
	Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	364	-	364
	Wind, WYAE	-	-	-	-	-	288	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	288	300
	Total Wind	-	-	-	-	-	288	-	-	-	-	-	-	-	-	-	-	297	-	-	-	-	364	950
	Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	347	41	291	121	-	800
	DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	1.3	-	4.7
	DSM, Class 1, ID-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	1.9
	DSM, Class 2, UT	84	58	62	59	62	58	66	66	68	65	63	61	57	57	58	49	44	37	34	35	647	1,141	
DSM, Class 2, WY	8	10	11	10	13	13	14	15	14	14	12	11	11	11	11	9	8	7	7	7	122	216		
DSM, Class 2 Total	97	74	79	75	81	77	85	86	88	84	80	77	73	73	73	62	55	47	43	44	826	1,453		
FOT Mona - SMR	-	-	-	-	-	-	-	-	-	-	-	24	298	300	140	228	300	300	300	300	300	-	124	
West	Existing Plant Retirements/Conversions																							
	JimBridger 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	(354)	
	Expansion Resources																							
	CCCT - WilliamValce - G 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436	
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436	
	Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	213	7	-	-	-	246	
	DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	2.4	
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13	21	
	DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	310	474	
	DSM, Class 2, WA	10	8	9	8	9	9	9	9	8	8	7	6	6	6	5	4	3	3	2	2	87	131	
	DSM, Class 2 Total	57	53	52	46	41	37	34	33	29	27	26	25	24	23	22	22	20	19	19	18	410	626	
	Geothermal, Greenfield - West	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	30	
	FOT COB - SMR	-	-	-	-	-	-	-	-	25	-	-	400	400	400	400	400	400	400	400	400	364	2	
	FOT MidColumbia - SMR	399	400	400	400	378	400	359	340	400	400	400	400	400	400	400	400	400	400	400	400	388	394	
	FOT MidColumbia - SMR - 2	-	276	107	41	-	23	-	-	375	336	375	375	375	375	375	375	375	375	375	375	116	245	
	FOT NOB - SMR	100	100	100	100	-	-	-	40	100	100	100	100	100	100	100	100	100	100	100	100	64	82	
	FOT MidColumbia - WTR	281	-	275	-	-	311	-	290	-	-	-	291	300	264	-	349	-	388	15	400	116	158	
	FOT MidColumbia - WTR2	-	331	-	310	323	-	309	-	298	300	292	-	-	-	316	-	348	-	375	277	187	174	
	FOT NOB - WTR	-	-	-	-	-	-	-	-	53	54	8	10	54	100	100	100	100	100	100	100	11	44	
	Existing Plant Retirements/Conversions	-	-	5	-	-	-	-	-	(387)	(82)	-	(762)	-	(357)	(78)	-	(712)	-	-	(82)	-		
Annual Additions, Long Term Resources	154	128	131	122	410	114	118	119	117	111	107	163	160	973	98	409	1,115	117	356	560				
Annual Additions, Short Term Resources	779	1,106	882	851	701	734	668	671	1,250	1,190	1,199	1,875	1,929	1,779	1,918	2,024	2,023	2,063	2,065	2,316				
Total Annual Additions	933	1,234	1,013	973	1,110	848	787	789	1,368	1,301	1,306	2,038	2,090	2,752	2,016	2,433	3,137	2,180	2,422	2,876				
1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.																								

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Regional Haze Case 5 Portfolio

I17_VOL3_RH5		Capacity (MW)																				Resource Totals	
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	1/ 10-year	20-year
East	Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	(82)	-	-	(82)
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	-	(45)
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	-	(33)
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	(358)
	Coal Ret. WY - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	285
	Expansion Resources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CCCT - DJohns - J Ltd	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	IC Aero UN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	182	-	-	182
	SCCT Frame DJ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200
	SCCT Frame UTIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200
	Wind, DJohnston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	85
	Wind, CO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	485	-	485
	Wind, WYAE	-	-	-	-	229	-	-	-	-	-	-	-	-	-	-	51	20	-	-	-	229	300
	Total Wind	-	-	-	-	229	-	-	-	-	-	-	-	-	-	-	137	20	-	-	485	229	871
	Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	654	44	-	85	-	800
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	65.2	130.0	-	-	27.1	3.1	3.7	3.1	11.6	-	243.8
	DSM, Class 2, ID	5	7	7	6	6	5	5	6	5	6	5	5	4	4	4	3	3	3	2	3	56	94
	DSM, Class 2, UT	84	58	62	59	62	58	66	66	68	65	63	61	57	57	56	49	44	37	33	35	647	1,138
	DSM, Class 2, WY	8	10	11	10	13	13	14	15	14	14	12	11	11	9	10	9	8	7	6	7	122	213
	DSM, Class 2 Total	97	74	79	75	81	77	85	86	88	84	80	77	73	71	71	62	55	47	41	44	826	1,446
	FOT Mona - SMR	-	-	-	-	-	-	-	-	-	-	-	300	299	173	260	300	300	300	300	300	-	127
West	Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	-	-	(354)
	JimBridger 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	-	(354)
	JimBridger 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	-	(359)
	Expansion Resources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CCCT - WillamValce - G Ltd	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436
	DSM, Class 1, WA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	4.8
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	73.0	-	-	-	7.4	-	-	-	80.5
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	13	19
	DSM, Class 2, OR	46	40	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	306	470
	DSM, Class 2, WA	10	8	9	8	9	8	9	9	8	8	7	6	6	5	4	4	3	3	2	2	85	126
	DSM, Class 2 Total	57	50	52	46	41	35	33	33	29	27	26	24	23	22	21	21	19	18	18	18	404	616
	FOT COB - SMR	-	-	-	-	-	-	-	-	30	-	29	400	400	357	362	398	398	400	400	366	3	177
	FOT MidColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	FOT MidColumbia - SMR - 2	-	277	108	43	165	282	210	250	375	341	375	375	375	375	375	375	375	375	375	375	205	290
	FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	FOT MidColumbia - WTR	281	-	275	-	323	-	-	-	-	301	-	293	8	-	-	-	-	-	314	224	118	101
	FOT MidColumbia - WTR2	-	331	-	310	-	312	310	291	299	-	293	-	375	253	294	308	310	320	-	375	185	219
	FOT NOB - WTR	-	-	-	-	-	-	-	-	54	56	10	12	100	1	13	59	68	100	95	100	11	33
	Existing Plant Retirements/Conversions	-	-	5	-	(387)	-	-	-	-	(82)	-	(762)	(354)	(357)	(78)	-	(717)	-	(82)	-	-	-
	Annual Additions, Long Term Resources	154	124	131	122	350	113	118	119	117	111	106	166	515	1,005	92	263	1,159	113	244	644	-	-
	Annual Additions, Short Term Resources	779	1,108	884	853	988	1,094	1,021	1,042	1,258	1,198	1,207	1,880	2,057	1,658	1,804	1,941	1,951	1,995	1,984	2,239	-	-
	Total Annual Additions	933	1,232	1,015	974	1,338	1,206	1,139	1,160	1,375	1,309	1,313	2,046	2,572	2,664	1,896	2,204	3,109	2,108	2,228	2,883	-	-

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Regional Haze Case 6 Portfolio

I17_VOL3_RH6		Capacity (MW)																				Resource Totals		
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year	
East	Existing Plant Retirements/Conversions																							
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)	
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	-	(45)	
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	-	(33)	
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	-	(106)
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	-	(220)
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	-	(358)
	Expansion Resources																							
	CCCT - DJohns - J 1x1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	200
	Wind, DJohnston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	-	-	-	-	285
	Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	526	-	526
	Wind, WYAE	-	-	-	-	-	179	-	-	-	-	-	-	-	-	-	-	-	121	-	-	-	179	300
	Total Wind	-	-	-	-	-	179	-	-	-	-	-	-	-	-	-	-	-	407	-	-	-	526	179
	Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	391	41	291	78	-	800
	DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	1.3	-	4.7
	DSM, Class 1, ID-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	1.9
	DSM, Class 2, UT	84	58	62	59	62	58	66	66	63	65	62	61	57	56	56	49	44	37	34	35	642	1,132	
	DSM, Class 2, WY	8	10	11	10	13	13	14	14	14	14	12	11	11	9	10	9	8	7	7	7	121	213	
	DSM, Class 2 Total	97	74	79	75	81	77	85	85	82	84	80	77	73	70	71	62	55	47	44	45	819	1,441	
	FOT Mona - SMR	-	-	-	-	-	-	-	-	-	264	200	264	300	300	261	171	300	300	300	300	46	163	
West	Existing Plant Retirements/Conversions																							
	JimBridger 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	(356)	-	-	-	-	-	-	-	-	-	-	-	-	-	(356)	(356)	
	Expansion Resources																							
	CCCT - SOregonCal - J 1x1	-	-	-	-	-	-	-	-	-	-	-	-	509	-	-	-	-	-	-	-	-	509	
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	509	-	-	-	-	-	-	-	-	509	
	Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	7	-	-	117	
	DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	2.4	
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13	20	
	DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	310	474	
	DSM, Class 2, WA	10	8	9	8	9	9	9	9	8	8	7	6	6	5	5	4	3	3	2	2	87	130	
	DSM, Class 2 Total	57	53	52	46	41	37	33	33	29	27	26	25	23	22	22	21	20	19	19	18	409	624	
	Geothermal, Greenfield - West	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	30	
	FOT COB - SMR	-	-	-	-	-	173	101	142	400	400	400	400	400	400	400	400	400	400	400	364	122	259	
	FOT MidColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
	FOT MidColumbia - SMR - 2	-	276	375	310	90	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	293	334	
	FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	FOT MidColumbia - WTR	281	331	275	-	323	311	309	290	298	-	-	321	399	-	-	319	-	9	11	298	242	189	
	FOT MidColumbia - WTR2	-	-	-	310	-	-	-	-	-	-	300	292	-	-	327	341	-	343	375	375	375	61	152
	FOT NOB - WTR	-	-	-	-	-	-	-	-	-	53	54	8	100	100	100	-	55	100	100	100	100	11	43
	Existing Plant Retirements/Conversions		-	(280)	-	-	-	(356)	-	-	(387)	(82)	-	(762)	-	(357)	(78)	-	(358)	-	(82)	-		
	Annual Additions, Long Term Resources		154	128	131	122	300	114	118	118	112	111	106	843	163	569	292	87	1,055	117	356	678		
	Annual Additions, Short Term Resources		779	1,106	1,150	1,120	913	1,359	1,286	1,307	1,890	1,830	1,839	1,996	2,074	1,963	1,787	1,949	2,018	2,059	2,061	2,312		
	Total Annual Additions		933	1,234	1,281	1,242	1,213	1,473	1,404	1,425	2,002	1,941	1,945	2,839	2,237	2,532	2,079	2,036	3,073	2,176	2,418	2,990		
	1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.																							

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

2017 Integrated Resource Plan

Portfolio Summaries: Core Cases



Core Case 1 (OP-1) Portfolio

	Resource	Capacity (MW)																	Resource Totals 1/					
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year	
East	Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Coal 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	-	(45)	
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	-	(33)	
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)	
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)	
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)	
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)	
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)	
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	(156)	
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	(201)	
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)	
	Guidesby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	(358)	
	Coal Ret. WY - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	-	285	-
	Expansion Resources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	CCCT - Dillons - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477	
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477	
	SCCT Frame UN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	182	-	-	-	-	182	
	SCCT Frame DI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200	
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200	
	Wind, Dillons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	85	
	Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	485	-	485	
	Wind, WYAE	-	-	-	-	229	-	-	-	-	-	-	-	-	-	-	51	20	-	-	-	-	229	
	Total Wind	-	-	-	-	229	-	-	-	-	-	-	-	-	-	-	137	20	-	-	-	485	229	
	Utility Solar PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	654	44	-	-	85	890	
	DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	1.3	4.7	
	DSM, Class 1, ID-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	1.9	
	DSM, Class 1, ID-Ingate	-	-	-	-	-	-	-	-	-	-	-	-	-	14.9	-	-	3.4	-	-	3.1	-	21.3	
	DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	65.2	3.2	-	-	-	-	-	-	-	68.4	
	DSM, Class 1, UT-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	75.3	-	-	4.8	-	-	2.2	-	85.9	
	DSM, Class 1, UT-Ingate	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	3.3	-	6.3	
	DSM, Class 1, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	2.9	-	7.7	
	DSM, Class 1, WY-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	21.7	-	-	19.0	3.1	-	2.0	-	45.8	
	DSM, Class 1, WY-Ingate	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	1.9	
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	65.2	130.0	-	-	27.1	3.1	3.7	3.1	243.8	
	DSM, Class 2, ID	5	7	7	6	6	5	5	6	5	6	5	5	5	4	4	4	3	3	2	3	56	94	
	DSM, Class 2, UT	84	58	62	59	62	58	66	66	68	65	63	61	57	57	56	49	44	37	33	35	647	1,138	
	DSM, Class 2, WY	8	10	11	10	13	13	14	15	14	14	12	11	11	9	10	9	8	7	6	7	122	213	
	DSM, Class 2 Total	97	74	79	75	81	77	85	86	88	84	80	77	73	71	71	62	55	47	41	44	826	1,446	
	POT Mona - SMR	-	-	-	-	-	-	-	-	-	-	-	-	300	299	173	260	300	300	300	300	-	127	
West	Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	-	(354)	
	Intelligence 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	
	Intelligence 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	
	Expansion Resources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	CCCT - WilsonValley - G 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	436	
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	436	
	SCCT Frame SO	-	-	-	-	-	-	-	-	-	-	-	-	-	216	-	-	-	-	-	-	-	216	
	DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	2.4	
	DSM, Class 1, CA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	1.2	
	DSM, Class 1, CA-Ingate	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	-	3.7	
	DSM, Class 1, OR-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	-	-	7.4	-	-	-	-	11.4	
	DSM, Class 1, OR-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	-	-	-	-	-	-	35.0	
	DSM, Class 1, OR-Ingate	-	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	-	-	-	12.8	
	DSM, Class 1, WA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	-	-	9.1	
	DSM, Class 1, WA-Ingate	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	4.8	
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	73.0	-	-	-	7.4	-	-	-	80.5	
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	13	
	DSM, Class 2, OR	46	40	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	306	470	
	DSM, Class 2, WA	10	8	9	8	9	8	9	9	8	8	7	6	6	5	4	4	3	3	2	2	85	126	
	DSM, Class 2 Total	57	50	52	46	41	35	33	33	29	27	26	24	23	22	21	21	19	18	18	18	404	616	
	POT COB - SMR	-	-	-	-	-	-	-	-	-	-	-	-	-	29	400	400	357	362	398	400	400	366	
	POT MtColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
	POT MtColumbia - SMR - 2	-	277	108	43	165	282	210	250	375	341	375	375	375	375	375	375	375	375	375	375	205	290	
	POT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	POT MtColumbia - WTR	281	-	275	-	310	323	-	-	-	301	-	293	-	8	-	-	-	-	-	314	224	118	
	POT MtColumbia - WTR2	-	331	-	-	310	-	312	310	291	299	-	293	-	375	253	294	308	310	320	310	375	219	
	POT NOB - WTR	-	-	-	-	-	-	-	-	54	56	10	12	100	1	13	59	68	100	95	100	11	33	
	Existing Plant Retirements/Conversions	-	-	5	-	(387)	-	-	-	-	-	-	(82)	-	(762)	(354)	(642)	(78)	-	-	-	-	(82)	
	Annual Additions, Long Term Resources	154	124	131	122	350	113	118	119	117	111	106	166	515	1,005	92	263	1,159	113	244	644	-	-	
	Annual Additions, Short Term Resources	779	1,108	884	853	988	1,094	1,021	1,042	1,258	1,198	1,207	1,880	2,057	1,658	1,804	1,941	1,951	1,995	1,984	2,239	-	-	
	Total Annual Additions	933	1,232	1,015	974	1,338	1,206	1,139	1,160	1,375	1,309	1,313	2,046	2,572	2,664	1,896	2,204	3,109	2,108	2,228	2,883	-	-	

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Core Case 2 (FR-1) Portfolio

Resource											Capacity (MW)																Resource Totals 1/															
											2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year										
East	Existing Plant Retirements/Conversions																																									
	Crab 1 (Coal Early Retirement/Conversions)											-	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	(82)	(82)									
	Crab 2											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)										
	Hayden 1											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)											
	Hayden 2											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	(45)											
	Chalk 4 (Coal Early Retirement/Conversions)											-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)										
	DaveJohnston 1											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(106)										
	DaveJohnston 2											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(106)									
	DaveJohnston 3											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(220)									
	DaveJohnston 4											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(330)									
	Naughton 1											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)									
	Naughton 2											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)									
	Naughton 3 (Coal Early Retirement/Conversions)											-	-	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)								
	Quincy 1-6											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)									
	Coal Ret. WY - Gas RePower											-	-	-	-	285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	-								
Expansion Resources																																										
	CCCT - Doherty - 1 Mt											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	477									
	CCCT - Goshute - 0.1 Mt											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	389	-	389								
	Total CCCT											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	389	865							
	IC Arm UN											-	-	-	-	-	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	182	182								
	SCTT Prime UTN											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200								
	Wind, Doherty											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	285							
	Wind, CO											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	568	568						
	Wind, WYAE											-	-	-	-	-	236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	236	300						
	Total Wind											-	-	-	-	-	236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	568	-	236	1,153					
	Utility Solar - PV - Utah-S											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	800	800					
	DSM, Class 1, ID-Coal/WH											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	4.7						
	DSM, Class 1, ID-Cuttail											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	1.9						
	DSM, Class 1, ID-Integrate											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.9	-	21.3						
	DSM, Class 1, UT-Coal/WH											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68.4	68.4						
	DSM, Class 1, UT-Cuttail											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80.0	-	3.7	-	85.9				
	DSM, Class 1, UT-Integrate											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	6.3	6.3					
	DSM, Class 1, WY-Coal/WH											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	2.9	-	7.7			
	DSM, Class 1, WY-Cuttail											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.7	-	2.0	-	45.8			
	DSM, Class 1, WY-Integrate											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	1.9				
	DSM, Class 1 Total											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	219.0	-	3.4	3.1	3.7	3.1	11.6	-	243.8
	DSM, Class 2, ID											5	7	7	6	6	5	5	6	5	6	5	5	5	5	5	5	4	3	3	3	3	3	3	3	5	56	96				
	DSM, Class 2, UT											84	58	62	59	62	58	66	66	68	65	63	61	57	60	59	49	44	37	34	35	647	1,146	1,459	1,459							
	DSM, Class 2, WY											8	10	11	10	13	13	14	15	14	14	12	11	11	11	11	9	8	7	7	7	7	7	7	7	7	122	217				
	DSM, Class 2 Total											97	74	79	75	81	77	85	86	88	84	80	77	73	76	74	62	55	47	44	45	826	1,459	1,459								
	Battery Storage - East											-	-	-	-	-	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3					
	POF Mesa - SMR											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105				
West	Existing Plant Retirements/Conversions																																									
	IntBridge 1 (Coal Early Retirement/Conversions)											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	(354)					
	IntBridge 2 (Coal Early Retirement/Conversions)											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	(359)			
Expansion Resources																																										
	IC Arm SO											-	-	-	-	-	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	393	393						
	Utility Solar - PV - S-Oregon											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	141	107	-	248		
	Utility Solar - PV - Yakima											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	7	13	-	36
	DSM, Class 1, CA-Coal/WH											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	2.4		
	DSM, Class 1, CA-Cuttail											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	1.2			
	DSM, Class 1, CA-Integrate											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	3.7			
	DSM, Class 1, OR-Coal/WH											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1	3.3	-	39.4		
	DSM, Class 1, OR-Cuttail											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	35.0			
	DSM, Class 1, OR-Integrate											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	12.8		
	DSM, Class 1, WA-Coal/WH											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	13.0		
	DSM, Class 1, WA-Cuttail											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	9.1		
	DSM, Class 1, WA-Integrate											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	4.8		
	DSM, Class 1 Total											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118.1	3.3	-	-	121.5		
	DSM, Class 2, CA											2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13	21				
	DSM, Class 2, OR											46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	15	16	16	16	13	474	16	310	474				
	DSM, Class 2, WA											10	8	9	8	9	9	9	9	8	8	7	6	6	6	5	4	3	3	2	2	2	2	2	2	2	2	87	131			
	DSM, Class 2 Total											57	53	52	46	41	37	34	33	29	27	26	25	24	23	22	22	20	19	19	19	18	410	627	627							
	Battery Storage - West											-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1				
	Geothermal, Greenfield - West											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	POF CVB - SMR											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

1 First offer transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10-20 year annual average.

Core Case 3 (FR-2) Portfolio

Resource	Capacity (MW)																	Resource Totals 1/ 10-year 20-year	
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
East																			
Existing Plant Retirements/Conversions																			
Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	(82)	
Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	(45)	
Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	(33)	
Sholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	(387)	
Dave Johnston 1	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	(106)	
Dave Johnston 2	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	(106)	
Dave Johnston 3	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	(220)	
Dave Johnston 4	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	(330)	
Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	(156)	
Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	(201)	
Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	
Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	(358)	
Coal Ret. WY - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	285	
Expansion Resources																			
CCCT - Dholos - J Ltd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	477	
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	477	
IC Aero UN	-	-	-	-	182	-	-	-	-	-	-	-	-	-	-	-	-	182	
SCCT Aero UN	-	-	-	-	121	-	-	-	-	-	-	-	-	-	-	-	-	121	
SCCT Frame UTM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	200	
Wind, Dholos	-	-	-	-	-	-	-	-	-	-	-	-	-	162	123	-	-	285	
Wind, CO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	800	
Wind, UT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	81	
Wind, WYAE	-	-	-	-	238	-	-	-	-	-	-	-	-	-	62	-	-	238	
Total Wind	-	-	-	-	238	-	-	-	-	-	-	-	-	162	185	-	27	854	
Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	105	170	211	42	805	
DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	4.7	
DSM, Class 1, ID-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	1.9	
DSM, Class 1, ID-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	14.9	-	3.4	-	21.3	
DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	68.4	-	-	-	68.4	
DSM, Class 1, UT-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	80.0	-	-	3.7	85.9	
DSM, Class 1, UT-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	6.3	
DSM, Class 1, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	7.7	
DSM, Class 1, WY-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	40.7	-	-	3.1	45.8	
DSM, Class 1, WY-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	1.9	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	219.0	-	3.4	3.1	243.8	
DSM, Class 2, ID	5	7	7	6	6	5	5	5	5	5	5	5	5	5	4	4	3	55	
DSM, Class 2, UT	84	58	56	59	62	58	57	66	63	65	61	59	57	57	56	47	43	627	
DSM, Class 2, WY	8	10	11	10	11	13	14	14	14	14	12	11	10	11	11	9	7	119	
DSM, Class 2 Total	97	74	74	75	78	77	76	85	82	84	78	75	72	73	71	60	54	802	
FOT Mono - SMR	-	-	-	-	-	-	-	-	-	-	-	-	-	300	300	300	300	105	
West																			
Existing Plant Retirements/Conversions																			
Jim Bridger 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	(354)	
Jim Bridger 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	(359)	
Expansion Resources																			
IC Aero PO	-	-	-	-	441	-	-	-	-	-	-	-	-	-	-	-	-	441	
IC Aero SO	-	-	-	-	196	-	-	-	-	-	-	-	-	-	-	-	-	196	
IC Aero WW	-	-	-	-	221	-	-	-	-	-	-	-	-	-	-	-	-	221	
Utility Solar - PV - S-Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	15	9	87	
Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
DSM, Class 2, CA	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	12	
DSM, Class 2, OR	46	40	39	34	29	26	23	23	20	18	18	17	16	16	16	17	15	297	
DSM, Class 2, WA	10	7	7	8	8	7	7	7	7	7	6	5	5	4	3	3	2	76	
DSM, Class 2 Total	57	48	47	43	38	35	32	31	27	27	25	23	22	22	21	21	19	384	
FOT COB - SMR	-	-	-	-	-	-	-	-	-	-	-	-	-	272	391	400	400	153	
FOT Mid-Columbia - SMR	399	400	400	400	139	118	117	98	98	98	98	400	400	400	400	400	400	227	
FOT Mid-Columbia - SMR - 2	-	278	116	53	-	-	-	-	-	-	-	244	375	375	375	375	375	185	
FOT NOB - SMR	100	100	100	100	-	-	-	-	-	-	-	100	100	100	100	100	100	65	
FOT Mid-Columbia - WTR	281	-	278	-	-	99	-	80	-	69	84	-	-	267	215	-	-	100	
FOT Mid-Columbia - WTR2	-	332	-	313	109	-	98	-	71	-	-	84	93	-	-	199	182	89	
FOT NOB - WTR	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100	100	100	35	
Summary																			
Existing Plant Retirements/Conversions	-	-	5	-	(387)	-	-	-	-	(82)	-	(762)	(354)	(642)	(78)	-	(717)	(82)	
Annual Additions, Long Term Resources	154	123	120	118	1,515	113	107	115	110	110	104	98	94	476	383	304	978	951	
Annual Additions, Short Term Resources	779	1,110	894	865	248	217	215	178	169	167	182	828	1,240	1,932	1,886	1,874	1,857	2,147	
Total Annual Additions	933	1,233	1,014	983	1,763	329	322	294	279	277	286	926	1,334	2,408	2,269	2,178	2,835	3,098	

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

2017 Integrated Resource Plan

Portfolio Summaries: Sensitivities



Sensitivity Portfolio CO2 Price

Resource	Capacity (MW)																	Resource Totals 1/ 10-year 20-year	
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
East																			
Existing Plant Retirements/Conversions																			
Unit 1, Coal Early Retirement/Conversions	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	(82)	
Unit 2, Coal Early Retirement/Conversions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	(45)	
Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	(33)	
Chula 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	(33)	-	-	(387)	
Dave Johnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	(106)	
Dave Johnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	(106)	
Dave Johnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	(220)	
Dave Johnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	(330)	
Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	(156)	
Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	(201)	
Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	
Garby 1 & 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	(358)	
Coal Ret. WY - Gas Reflower	-	-	285	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	285	
Expansion Resources																			
CCGT - Utah S - G Int	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	389	-	389	
CCGT - Utah S - J Int	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	477	
Total CCGT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	389	-	866	
WCT From UTN	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200	
Wind, Diphasion	-	-	-	-	-	-	-	-	-	-	-	-	366	396	-	-	-	762	
Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	673	57	800	
Wind, WYAE	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	300	
Total Wind	-	-	-	-	300	-	-	-	-	-	-	-	366	396	70	673	57	300 1,862	
Utility Solar - PV, Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	628	40	
DSM, Class 1, ID-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	
DSM, Class 1, ID-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	1.9	
DSM, Class 1, ID-Ingrate	-	-	-	-	-	-	-	-	-	-	-	-	-	14.9	-	-	3.4	21.3	
DSM, Class 1, UT-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	3.3	65.0	-	-	-	68.4	
DSM, Class 1, UT-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	75.3	4.8	-	3.7	85.9	
DSM, Class 1, UT-Ingrate	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	6.3	
DSM, Class 1, WY-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	7.7	
DSM, Class 1, WY-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	
DSM, Class 1, WY-Ingrate	-	-	-	-	-	-	-	-	-	-	-	-	-	40.7	-	-	3.1	45.8	
DSM, Class 1, WY-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	1.9	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	8.1	206.1	4.8	-	243.8	
DSM, Class 2 ID	5	7	7	6	6	5	6	6	6	6	5	5	5	5	5	4	3	57	
DSM, Class 2 UT	84	62	62	59	70	68	66	71	70	69	65	61	60	60	59	49	44	37	
DSM, Class 2 WY	8	10	11	12	13	13	15	15	14	15	14	13	12	11	11	9	8	126	
DSM, Class 2 Total	97	78	79	77	89	87	86	92	90	89	84	80	77	76	74	62	56	47	
FOT Montana - SMR	-	-	-	-	-	-	-	-	-	-	-	-	300	300	300	300	300	117	
West																			
Existing Plant Retirements/Conversions																			
UnitBridge 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	(354)	
UnitBridge 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	(359)	
Expansion Resources																			
Wind, WY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	33	
Total Wind	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	259	241	533	
Utility Solar - PV, S-Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	405	-	-	-	405	
Utility Solar - PV, Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	272	149	-	-	421	
DSM, Class 1, CA-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	2.4	
DSM, Class 1, CA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	1.2	
DSM, Class 1, CA-Ingrate	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	3.7	
DSM, Class 1, OR-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1	-	3.3	-	39.4	
DSM, Class 1, OR-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	27.3	-	-	35.0	
DSM, Class 1, OR-Ingrate	-	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	12.8	
DSM, Class 1, WA-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	-	13.0	
DSM, Class 1, WA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	9.1	
DSM, Class 1, WA-Ingrate	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	4.8	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	12.4	105.7	-	3.3	121.5	
DSM, Class 2, CA	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	14	
DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	16	16	17	15	19	483	
DSM, Class 2, WA	10	9	9	8	10	10	9	9	8	8	7	7	6	6	5	4	3	90	
DSM, Class 2 Total	57	54	52	46	42	37	34	33	30	27	27	25	24	23	22	22	24	640	
Geothermal, Geysers - West	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	
FOT COB - SMR	-	-	-	-	-	-	-	-	-	-	-	-	400	400	400	400	400	175	
FOT MidColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
FOT MidColumbia - SMR - 2	-	272	103	36	142	252	180	216	369	301	362	375	375	375	375	375	375	280	
FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
FOT MidColumbia - WTR	281	-	275	-	322	-	-	-	352	-	-	289	388	187	400	400	118	176	
FOT MidColumbia - WTR2	-	321	-	310	-	309	307	288	348	-	290	375	375	127	98	375	375	214	
FOT NOB - WTR	-	-	-	-	-	-	-	-	-	-	7	9	100	-	-	-	-	8	
Existing Plant Retirements/Conversions																			
Annual Additions, Long Term Resources	154	132	131	124	432	124	120	125	120	117	110	126	809	1,426	319	1,020	1,393	83	
Annual Additions, Short Term Resources	779	1,103	878	846	963	1,062	987	1,005	1,217	1,153	1,159	1,873	2,148	2,137	2,102	2,063	2,068	2,025	
Total Annual Additions	933	1,235	1,009	969	1,395	1,186	1,107	1,130	1,337	1,270	1,269	1,999	2,957	3,563	2,421	3,083	3,460	2,108	

1/ From other transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10-20-year annual average.

Sensitivity Portfolio Mass Cap C

Resource	Capacity (MW)																		Resource Totals 1/ 10-year 20-year	
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
East																				
Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coal 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	
Coal 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	
Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	
Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	
Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
David Johnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	
David Johnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	
David Johnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	
David Johnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	
Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	
Naughton 2	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	
Naughton 3 (Coal Early Retirement/Conversions)	-	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	
Coal Ret. WV - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	
Expansion Resources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCCT - Diablo - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	
CCCT - Utah-S - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	477	-	-	
SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	
Wind, Djolinton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	-	-	-	-	
Wind, WYAE	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Wind	-	-	-	-	300	-	-	-	-	-	-	-	-	-	285	-	-	-	-	
Utility Solar - PV, Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	196	49	293	212	
DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	1.3	
DSM, Class 1, ID-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	
DSM, Class 1, ID-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	
DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	68.4	-	-	-	-	-	-	-	
DSM, Class 1, UT-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	80.0	-	-	3.7	-	-	
DSM, Class 1, UT-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	
DSM, Class 1, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	
DSM, Class 1, WY-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	37.6	3.1	-	3.1	-	-	
DSM, Class 1, WY-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	68.4	-	142.3	6.4	5.3	3.1	3.7	11.6	
DSM, Class 2, ID	5	7	7	6	6	5	5	6	5	6	5	5	5	5	4	4	3	3	2	
DSM, Class 2, UT	84	58	56	59	62	58	57	66	63	65	61	61	57	57	56	48	43	36	33	
DSM, Class 2, WY	8	10	8	10	13	13	14	14	14	14	12	11	10	10	11	9	8	7	7	
DSM, Class 2 Total	97	74	74	75	81	77	76	85	82	84	78	77	72	72	71	61	54	46	43	
FOT Mons - SMR	-	-	-	-	-	-	-	-	-	-	-	-	299	284	298	300	300	300	300	
East Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West																				
Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hayden 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	
Hayden 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	
Expansion Resources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CCCT - Valera - G 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	458	-	-	-	-	-	
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	458	-	-	-	-	-	
Utility Solar - PV, S-Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	124	27	-	
DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	
DSM, Class 1, CA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	
DSM, Class 1, CA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	
DSM, Class 1, OB-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.7	24.7	-	-	
DSM, Class 1, OB-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	-	-	-	
DSM, Class 1, OB-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	
DSM, Class 1, WA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	-	
DSM, Class 1, WA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	
DSM, Class 1, WA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	69.1	27.8	24.7	-	-	-	
DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	
DSM, Class 2, OB	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	
DSM, Class 2, WY	10	8	9	8	9	8	8	8	8	8	7	6	5	5	5	4	3	2	2	
DSM, Class 2 Total	57	53	52	46	41	35	32	31	29	27	26	24	23	22	22	21	19	18	19	
Geothermal, Greenfield - West	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	
FOT COB - SMR	-	-	-	-	-	-	-	-	31	-	32	400	400	400	400	400	400	400	368	
FOT MidColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
FOT MidColumbia - SMR - 2	-	276	111	45	157	274	208	249	375	342	375	375	375	375	375	375	375	375	204	
FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
FOT MidColumbia - WTR	201	-	331	275	310	-	312	311	293	301	-	295	-	343	341	-	-	-	-	
FOT MidColumbia - WTR2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	328	313	354	356	
FOT NOB - WTR	-	-	-	-	-	-	-	-	53	54	8	10	100	100	100	100	100	100	100	
West Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Existing Plant Retirements/Conversions	-	-	-	-	(387)	-	-	-	-	-	-	(82)	-	(762)	(354)	(642)	(78)	-	(82)	
Annual Additions, Long Term Resources	154	128	126	122	422	113	108	116	112	111	105	109	552	782	432	265	976	117	357	
Annual Additions, Short Term Resources	779	1,106	886	855	979	1,085	1,019	1,042	1,259	1,199	1,209	1,879	1,806	2,016	2,016	2,003	1,988	2,029	2,031	
Total Annual Additions	933	1,234	1,012	977	1,401	1,198	1,127	1,158	1,371	1,310	1,314	2,048	2,359	2,798	2,448	2,268	2,965	2,145	2,387	

1 From office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10-year annual average.

Sensitivity Portfolio Mass Cap D

		Capacity (MW)																				Resource Totals 1/ 10-year 20-year		
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036			
East	Existing Plant Retirements/Conversions																							
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)	
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	(45)	
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(21)	
	Chula 4 (Coal Early Retirement/Conversions)	-	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	(387)	(387)
	Dave Johnston 1	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	Dave Johnston 2	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	Dave Johnston 3	-	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)
	Dave Johnston 4	-	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)
	Gasby 1 & 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	-	(358)
	Coal Ret. WY - Gas RePower	-	-	-	285	-	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	285	-
	Expansion Resources																							
	CCCT - Dishes - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	IC Area UN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	182	-	182
	SCT Frame DI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200
	SCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200
	Wind. Dighton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	85
	Wind. GD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	768	-	-	-	768
Wind. WYAE	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	291	-	-	-	9	300	
Total Wind	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	377	-	768	-	9	1,154	
Utility Solar - PV - Utah-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	684	40	75	-	-	800	
DSM, Class 1, ID-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	1.3	-	4.7	
DSM, Class 1, ID-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	1.9	
DSM, Class 1, ID-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	10.9	-	3.9	-	-	3.4	-	3.1	-	-	21.3	
DSM, Class 1, UT-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	68.4	-	-	-	-	-	-	-	-	-	68.4	
DSM, Class 1, UT-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80.0	-	-	-	-	3.7	-	2.2	85.9	
DSM, Class 1, UT-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	6.3	
DSM, Class 1, WY-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	2.9	-	7.7	
DSM, Class 1, WY-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.6	22.1	-	3.1	-	-	2.0	-	45.8	
DSM, Class 1, WY-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	1.9	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	82.4	-	109.3	27.4	-	6.5	3.7	3.1	11.6	-	-	243.8	
DSM, Class 2, ID	5	7	7	6	6	5	5	6	5	6	5	6	5	5	5	4	4	3	3	3	3	56	95	
DSM, Class 2, UT	84	58	56	59	62	58	66	66	63	65	63	61	57	57	58	47	44	37	34	35	637	1,128		
DSM, Class 2, WY	8	10	11	10	13	13	14	14	14	14	12	11	10	10	11	9	8	7	7	7	7	121	215	
DSM, Class 2 Total	97	74	74	75	81	77	85	85	82	84	80	77	72	72	73	60	55	47	44	44	814	1,438		
FOT Mona - SMR	-	-	-	-	-	-	-	-	-	-	4	27	300	267	300	281	233	300	300	300	263	0	129	
Existing Plant Retirements/Conversions																								
Imperial 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	(354)	
Imperial 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	(359)	
Expansion Resources																								
CCCT - Schengul - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	509	-	-	-	-	-	-	509	
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	509	-	-	-	-	-	-	509	
Utility Solar - PV - Yuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	98	8	13	-	130	
DSM, Class 1, CA-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	
DSM, Class 1, CA-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	1.2	
DSM, Class 1, CA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	3.7	
DSM, Class 1, OR-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4	-	-	-	-	-	39.4	
DSM, Class 1, OR-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	-	-	-	-	35.0	
DSM, Class 1, OR-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	-	-	-	-	-	12.8	
DSM, Class 1, WA-Coal/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	-	-	-	13.0	
DSM, Class 1, WA-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	9.1	
DSM, Class 1, WA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	4.8	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	18.9	-	50.1	52.4	-	-	-	-	-	-	121.5	
DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13	21	
DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	15	16	16	310	474	
DSM, Class 2, WA	10	8	9	8	9	9	9	9	8	8	7	6	6	5	5	4	3	3	3	2	2	87	130	
DSM, Class 2 Total	57	53	52	46	41	37	33	33	29	27	26	25	23	23	22	21	20	19	19	18	409	625		
Geothermal, Geysers - West	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	
FOT COB - SMR	-	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	357	7	183	
FOT MidColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
FOT MidColumbia - SMR - 2	-	276	111	45	200	316	245	286	375	375	375	375	375	375	375	375	375	375	375	375	223	299		
FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
FOT MidColumbia - WTR	281	-	275	-	323	-	-	-	-	-	300	-	292	-	325	-	313	329	370	-	228	118	152	
FOT MidColumbia - WTR2	-	331	-	310	-	311	309	290	298	-	292	-	301	-	349	-	-	-	-	-	372	375	177	
FOT NOB - WTR	-	-	-	-	-	-	-	-	53	54	8	28	15	100	100	100	31	100	100	100	100	11	39	
Existing Plant Retirements/Conversions																								
Annual Additions, Long Term Resources	154	128	126	122	130	114	118	118	112	111	107	203	571	775	204	281	1,440	1,117	923	256				
Annual Additions, Short Term Resources	779	1,106	886	855	1,023	1,127	1,054	1,076	1,294	1,233	1,243	1,894	1,858	2,000	2,005	1,852	2,004	2,045	2,047	2,198				
Total Annual Additions	933	1,234	1,012	977	1,153	1,241	1,172	1,194	1,405	1,345	1,349	2,097	2,429	2,775	2,210	2,133	3,444	2,162	2,970	2,454				

1/ From other transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10-20-year annual average.

Sensitivity Portfolio Constrained Market Limit FOT

		Capacity (MW)																				Resource Totals 1/ 10-year 20-year	
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
East	Existing Plant Retirements/Conversions																						
	Crags 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)
	Crags 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	(45)
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	(33)
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)
	David Johnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	David Johnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	David Johnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)
	David Johnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	(358)
	Coal Ret. WY - Gas RePower	-	-	-	285	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	-	285
	Expansion Resources																						
	CCCT - Diablo - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	477
	CCCT - Utah-S - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	477	-	-	953
	IC Ann UN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	182	-	182
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	200
	Wind, Diphaston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	-	-	-	-	-	285
	Wind, CO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	387	387
Wind, WYAE	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	
Total Wind	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	285	-	-	-	-	-	973	
Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115	535	40	-	111	800	
DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	1.3	4.7	
DSM, Class 1, ID-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	1.9	
DSM, Class 1, ID-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	10.9	3.9	-	-	-	3.4	-	-	3.1	21.3	
DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	68.4	-	-	-	-	-	-	-	-	68.4	
DSM, Class 1, UT-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	75.3	-	4.8	-	-	-	-	3.7	-	85.9	
DSM, Class 1, UT-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	3.3	6.3	
DSM, Class 1, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	2.9	7.7	
DSM, Class 1, WY-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	40.7	-	-	-	-	3.1	-	-	-	45.8	
DSM, Class 1, WY-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	1.9	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	210.3	3.9	4.8	-	-	3.4	3.1	3.7	3.1	243.8	
DSM, Class 2, ID	5	7	7	6	6	5	6	6	6	6	5	5	5	5	5	4	3	3	3	3	3	57	
DSM, Class 2, UT	84	62	62	59	62	68	66	71	68	69	65	61	60	60	59	49	44	37	34	35	670	1,174	
DSM, Class 2, WY	8	10	11	12	13	13	15	15	14	14	12	13	12	11	11	9	8	7	7	7	125	222	
DSM, Class 2 Total	97	78	79	77	81	87	86	92	89	88	82	79	77	76	74	62	55	47	44	44	853	1,493	
West	Existing Plant Retirements/Conversions																						
	In/Bridge 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	-	(354)
	In/Bridge 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	(359)
	Expansion Resources																						
	SCCT Frame SO	-	-	-	-	-	-	-	-	-	-	-	-	-	216	-	-	-	-	-	-	-	216
	Utility Solar - PV - S-Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	115	24	173	-	-	-	-	-	311
	Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225	86	127	16	7	-	-	462
	DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	16	-	-	-	2.4
	DSM, Class 1, CA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	1.2
	DSM, Class 1, CA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	-	-	3.7
	DSM, Class 1, OB-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	36.1	-	-	3.3	-	-	-	-	-	39.4
	DSM, Class 1, OB-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	-	-	-	-	-	-	-	35.0
	DSM, Class 1, OB-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	-	-	-	-	12.8
	DSM, Class 1, WA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	-	-	-	-	-	-	13.0
	DSM, Class 1, WA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	-	-	-	9.1
	DSM, Class 1, WA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	-	4.8
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	118.1	-	-	-	3.3	-	-	-	-	121.5
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13
	DSM, Class 2, OB	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	310	474
	DSM, Class 2, WA	10	9	9	8	10	9	9	9	8	8	7	7	6	6	5	4	3	3	2	2	89	134
	DSM, Class 2 Total	57	54	52	46	42	37	34	33	29	27	27	25	24	23	22	21	20	19	19	18	412	629
	Geothermal, Greenfield - West																						
	FOT COB - SMR	-	-	-	-	-	-	-	-	-	101	34	96	400	400	400	400	400	400	400	398	364	14
FOT MidColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
FOT MidColumbia - SMR - 2	-	272	103	36	247	358	285	322	375	375	375	375	375	375	375	375	375	375	375	375	237	306	
FOT NOB - SMR	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	20	
FOT MidColumbia - WTR	281	-	275	-	322	310	-	289	349	-	298	289	298	-	180	-	91	-	98	-	182	154	
FOT MidColumbia - WTR2	-	331	-	310	-	-	308	-	-	-	353	-	-	-	-	151	-	94	-	93	-	358	
Existing Plant Retirements/Conversions																							
Annual Additions, Long Term Resources	154	132	131	124	423	123	120	125	118	116	109	577	544	978	471	329	1,105	117	247	572	-	-	
Annual Additions, Short Term Resources	779	1,103	878	846	968	1,068	993	1,011	1,225	1,162	1,169	1,464	1,473	1,326	1,355	1,269	1,266	1,268	1,270	1,497	-	-	
Total Annual Additions	933	1,235	1,009	969	1,391	1,191	1,113	1,135	1,343	1,277	1,278	2,041	2,017	2,304	1,826	1,598	2,371	1,385	1,518	2,069	-	-	

1 Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Sensitivity Portfolio Low Load Growth

[illegible]

1/ Front office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10/20-year annual average.

Sensitivity Portfolio High Load Growth

Resource		Capacity (MW)																				Resource Totals 1/	
East		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year
	Existing Plant Retirements/Conversions																						
	Crang 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)
	Crang 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	-	(45)
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	-	(33)
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)
	Dave Johnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	Dave Johnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)
	Dave Johnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)
	Dave Johnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	(358)
	Coal Ret. WV - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	285
	Expansion Resources																						
	CCCT - Dishes - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	477
	CCCT - Utah-S - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	953
	B. Aero UN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	182	-	-	-	182
	SCCT Frame D1	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	200
	SCCT Frame UTS	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	200
	SCCT Frame UTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	200
Wind, Diphnom	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	-	-	-	-	85	
Wind, OD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	630	-	630	
Wind, WVAE	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	300	
Total Wind	-	-	-	-	-	300	-	-	-	-	-	85	-	-	-	-	-	-	-	630	-	1,015	
Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	238	270	62	155	-	800	
DSM, Class 1, BD-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	1.3	-	4.7
DSM, Class 1, BD-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	1.9	
DSM, Class 1, BD-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	-	3.9	-	-	-	3.1	-	21.3	
DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	68.4	-	-	-	-	-	-	-	-	-	68.4	
DSM, Class 1, UT-Curtail	-	-	-	-	-	-	-	-	-	-	-	75.3	-	-	4.8	-	-	-	-	3.7	-	85.9	
DSM, Class 1, UT-Integrate	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	3.3	6.3	
DSM, Class 1, WV-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	-	2.9	7.7	
DSM, Class 1, WV-Curtail	-	-	-	-	-	-	-	-	-	-	-	40.7	-	-	-	-	-	-	3.1	-	2.0	45.8	
DSM, Class 1, WV-Integrate	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	1.9	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	208.4	-	-	10.6	-	3.4	3.1	3.7	3.1	11.6	-	243.8
DSM, Class 2, BD	-	5	7	7	6	6	5	6	6	6	6	5	5	5	5	5	4	3	3	3	3	57	97
DSM, Class 2, UT	-	84	62	62	59	66	68	66	71	68	69	65	61	57	61	59	49	44	37	34	35	674	1,174
DSM, Class 2, WV	-	8	12	13	12	14	14	15	15	15	16	14	14	13	11	11	9	8	7	7	7	134	234
DSM, Class 2 Total	-	97	80	81	77	85	87	86	92	89	90	84	79	74	76	74	62	55	47	44	45	865	1,506
FOF Mono - SMR	-	-	-	-	-	-	-	-	-	22	-	52	300	252	300	300	300	300	300	300	265	2	135
West																							
Existing Plant Retirements/Conversions																							
Ironbridge 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	(354)	
Ironbridge 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	(359)	
Expansion Resources																							
CCCT - Shingon-Cal - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	509	-	-	-	-	-	509	
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	509	-	-	-	-	-	509	
Utility Solar - PV - S-Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	55	48	-	-	-	124	
Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	18	11	18	62	
DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	2.4	
DSM, Class 1, CA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	1.2	
DSM, Class 1, CA-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	3.7	
DSM, Class 1, OR-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.1	-	3.3	-	-	-	-	39.4	
DSM, Class 1, OR-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	-	-	-	-	-	35.0	
DSM, Class 1, OR-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	-	-	12.8	
DSM, Class 1, WA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	-	-	-	-	13.0	
DSM, Class 1, WA-Curtail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	-	9.1	
DSM, Class 1, WA-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	4.8	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118.1	-	3.3	-	-	-	-	121.5	
DSM, Class 2, CA	-	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	14	22
DSM, Class 2, OR	-	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	310	474
DSM, Class 2, WA	-	10	9	9	8	10	10	9	9	8	8	7	7	6	6	5	4	3	3	2	2	90	135
DSM, Class 2 Total	-	57	54	52	46	42	37	34	33	30	27	27	25	23	23	22	22	20	19	19	18	413	631
Geothermal, Greendfield - West																							
FOF COB - SMR	-	-	95	-	-	-	66	215	162	223	400	371	400	400	400	400	400	400	400	400	360	153	275
FOF MtColumbia - SMR	-	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
FOF MtColumbia - SMR - 2	-	151	375	341	297	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	341	358
FOF NOB - SMR	-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
FOF MtColumbia - WTR	-	282	-	277	-	324	-	-	-	-	308	-	400	-	359	351	322	-	319	-	400	119	167
FOF MtColumbia - WTR2	-	-	332	-	312	-	312	310	292	305	-	294	25	359	-	-	-	318	-	316	140	186	166
FOF NOB - WTR	-	-	-	-	-	-	-	-	-	63	65	27	100	100	100	93	70	51	89	97	100	13	48
Existing Plant Retirements/Conversions																							
Annual Additions, Long Term Resources	-	154	134	133	124	427	125	120	125	119	117	111	716	696	807	238	288	1,024	143	870	275		
Annual Additions, Short Term Resources	-	932	1,302	1,118	1,109	1,264	1,402	1,347	1,390	1,666	1,620	1,648	2,100	1,986	2,034	2,019	1,967	1,944	1,983	1,988	2,140		
Total Annual Additions	-	1,086	1,436	1,251	1,232	1,692	1,527	1,467	1,515	1,785	1,737	1,759	2,816	2,592	2,841	2,277	2,355	2,969	2,126	2,857	2,415		

Sensitivity Portfolio 1 in 20 Load Growth

		Capacity (MW)																				Resource Totals		
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year	
East	Existing Plant Retirements/Conversions																							
	Crab 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Crab 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	(82)	
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	(45)	
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	(33)	
	Chula 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)	
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)	
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)	
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)	
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)	
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	(156)	
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	(201)	
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)	
	Gadsby 1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	(358)	
	Coal Ret. WY - Gas RePower	-	-	-	285	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	-	285	-
	Expansion Resources																							
	CCCT - Dishes - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	477
	CCCT - Utah-S - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	477	-	-	-	-	953
	SCT Frame DJ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	200
	SCT Frame UTS	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	-	-	200
	Wind. Dohobson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	-	85
	Wind. GD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	695	-	695
Wind. WYAE	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	300	
Total Wind	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	85	-	-	-	-	-	695	300	1,080
Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	179	216	41	297	47	-	806	
DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	1.3	-	4.7	
DSM, Class 1, ID-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	1.9	
DSM, Class 1, ID-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	10.9	3.9	-	-	3.4	-	-	3.1	-	-	21.3	
DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	68.4	-	-	-	-	-	-	-	-	-	68.4	
DSM, Class 1, UT-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	75.3	-	4.8	-	-	-	-	3.7	-	2.2	85.9	
DSM, Class 1, UT-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	3.3	6.3	
DSM, Class 1, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	2.9	-	7.7	
DSM, Class 1, WY-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	40.7	-	-	-	-	3.1	-	-	2.0	-	45.8	
DSM, Class 1, WY-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	-	1.9	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	205.0	9.2	4.8	-	3.4	3.1	3.7	3.1	11.6	-	243.8	
DSM, Class 2, ID	5	7	7	6	6	6	5	6	6	6	6	5	5	5	5	4	4	3	3	3	3	5	97	
DSM, Class 2, UT	84	62	62	59	62	68	66	71	68	69	65	61	57	60	59	49	49	44	37	34	35	670	1,170	
DSM, Class 2, WY	8	10	11	12	13	13	14	15	14	14	12	13	11	11	11	9	8	7	7	7	7	124	220	
DSM, Class 2 Total	97	78	79	77	81	87	85	92	89	88	82	79	73	76	74	62	55	47	44	44	44	852	1,488	
FOT Mona - SMR	-	-	-	-	-	-	-	-	-	-	27	27	300	84	300	300	300	300	300	300	300	3	1,27	
West	Existing Plant Retirements/Conversions																							
	Infidreger 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	
	Infidreger 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	-	(359)
	Expansion Resources																							
	CCCT - WilliamValce - G 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	-	-	436
	Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	151	-	16	130	70	16	8	-	-	-	391
	DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-	-	-	-	2.4
	DSM, Class 1, CA-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	1.2
	DSM, Class 1, CA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	-	-	-	-	3.7
	DSM, Class 1, OR-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	11.4	24.7	-	3.3	-	-	-	-	-	-	39.4
	DSM, Class 1, OR-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	-	-	-	-	-	-	-	-	35.0
	DSM, Class 1, OR-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	-	-	-	-	-	12.8
	DSM, Class 1, WA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	7.9	5.1	-	-	-	-	-	-	-	-	13.0
	DSM, Class 1, WA-Cutall	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	-	-	-	-	9.1
	DSM, Class 1, WA-Irrigate	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	-	-	-	-	4.8
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	88.3	29.8	-	3.3	-	-	-	-	-	-	121.5
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	13	21
	DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	15	16	16	310	474
	DSM, Class 2, WA	10	9	9	8	10	9	9	9	8	8	7	7	6	6	5	4	3	3	2	2	2	89	134
	DSM, Class 2 Total	57	54	52	46	42	37	34	33	29	27	27	25	23	23	22	21	20	19	19	19	18	412	629
	FOT COB - SMR	-	209	44	-	96	210	138	177	334	244	311	400	400	400	400	400	400	400	400	400	364	145	266
	FOT MidColumbia - SMR	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
FOT MidColumbia - SMR - 2	306	375	375	354	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	366	371	
FOT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
FOT COB - WTR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
FOT MidColumbia - WTR	380	71	400	120	400	76	74	60	312	400	203	400	383	400	400	400	92	400	127	400	229	275	275	
FOT MidColumbia - WTR2	-	375	7	375	59	375	375	375	375	375	287	375	193	-	180	176	85	375	106	375	375	260	242	
FOT NOB - WTR	-	3	-	45	88	86	91	77	100	100	100	100	100	100	100	100	100	100	100	100	100	59	79	
Existing Plant Retirements/Conversions																								
Annual Additions, Long Term Resources		154	132	131	131	423	123	119	125	118	116	109	548	772	596	335	336	987	118	363	816			
Annual Additions, Short Term Resources		1,186	1,532	1,325	1,394	1,518	1,623	1,553	1,564	1,996	1,933	1,891	2,268	1,842	2,255	2,251	2,160	2,142	2,181	2,177	2,425			
Total Annual Additions		1,340	1,664	1,456	1,518	1,941	1,746	1,671	1,688	2,114	2,048	2,000	2,816	2,614	2,852	2,586	2,496	3,128	2,298	2,540	3,241			

Sensitivity Portfolio Low Private Generation

		Capacity (MW)																				Resource Totals 1/	
Resource		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year
East	Existing Plant Retirements/Conversions																						
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	(45)
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	(33)
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)
	Dave Johnston 1	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	(106)
	Dave Johnston 2	-	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	(106)
	Dave Johnston 3	-	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	(220)
	Dave Johnston 4	-	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	(330)
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	(156)
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	(201)
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)
	Gadsby 146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	(358)
	Coal Ret. WY - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	-	285
	Expansion Resources																						
	CCCT - Diablos - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	477
	IC Arm UN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	182	-	-	182
	SUCT Frame DI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	200
	SUCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	200
	Wind, Diablos	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	3	-	-	-	-	85
	Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	212	-	-	800
	Wind, UT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	347
	Wind, WYAE	-	-	-	-	211	-	-	-	-	-	-	-	-	-	-	-	-	89	-	-	-	211
	Total Wind	-	-	-	-	211	-	-	-	-	-	-	-	-	-	-	83	3	152	212	-	-	873
	Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	800	-	-	-	5
	DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	4.7
	DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	1.9
	DSM, Class 1, ID-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	10.9	-	3.9	-	3.4	-	-	3.1	-	21.3
	DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	68.4	-	-	-	-	-	-	-	-	68.4
	DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.5	40.5	-	3.7	-	2.2	85.9
	DSM, Class 1, UT-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	-	-	6.3
	DSM, Class 1, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	2.9	7.7
	DSM, Class 1, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.7	3.1	-	2.0	45.8
DSM, Class 1, WY-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	1.9	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	82.4	-	10.6	39.5	88.0	5.0	3.7	3.1	11.6	-	243.8
DSM, Class 2, ID	5	7	7	6	6	5	5	6	5	6	5	5	5	5	5	4	4	3	3	3	3	56	95
DSM, Class 2, UT	84	58	62	59	62	58	66	66	68	65	63	61	57	57	56	49	44	37	34	35	647	1,140	
DSM, Class 2, WY	8	10	11	10	13	13	14	14	14	14	14	12	11	10	10	11	9	8	7	7	7	121	214
DSM, Class 2 Total	97	74	79	75	81	77	85	85	88	84	80	77	72	72	71	62	55	47	44	44	825	1,450	
POT Mono - SMR	-	-	-	-	-	-	-	-	-	-	-	-	-	296	249	300	300	300	300	300	300	-	132
Existing Plant Retirements/Conversions																							
Jenbacher 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	(354)
Jenbacher 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	-	(359)
Expansion Resources																							
CCCT - SierraGul - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	509	-	-	-	-	-	-	509	
Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	509	-	-	-	-	-	-	509	
Utility Solar - PV - Yuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	141	14	16	-	186
DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	
DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	-	1.2
DSM, Class 1, CA-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	
DSM, Class 1, OR-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.4	-	-	-	-	39.4
DSM, Class 1, OR-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	-	-	-	35.0
DSM, Class 1, OR-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	-	-	-	-	-	12.8
DSM, Class 1, WA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	-	-	-	13.0
DSM, Class 1, WA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	9.1
DSM, Class 1, WA-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	23.7	-	-	1.2	44.1	52.4	-	-	-	-	121.5
DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	13
DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	16	16	17	15	15	16	16	16	310	474
DSM, Class 2, WA	10	8	9	8	9	9	9	9	8	8	7	6	6	5	5	4	3	3	3	2	2	87	130
DSM, Class 2 Total	57	53	52	46	41	37	33	33	29	27	26	25	23	23	22	21	20	19	19	19	18	409	625
Geothermal, Geysers - West	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	30
POT COB - SMR	-	-	-	-	-	-	-	-	54	-	64	400	400	400	400	400	400	400	400	400	365	-	184
POT MtColumbia - SMR	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
POT MtColumbia - SMR - 2	-	281	115	50	178	298	228	270	375	372	375	375	375	375	375	375	375	375	375	375	375	217	296
POT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
POT MtColumbia - WTR	281	-	275	-	323	-	-	-	-	-	301	-	292	-	-	334	313	259	291	-	-	180	118
POT MtColumbia - WTR2	-	331	-	310	-	311	309	291	298	-	293	-	301	269	-	-	-	-	-	-	274	375	165
POT NOB - WTR	-	-	-	-	-	-	-	-	-	53	54	9	11	-	-	-	-	-	-	-	-	100	11
Existing Plant Retirements/Conversions																							
Annual Additions, Long Term Resources	154	128	131	122	332	114	118	117	111	107	208	603	783	275	227	1,403	295	264	952	-	-	-	-
Annual Additions, Short Term Resources	780	1,112	891	860	1,001	1,109	1,037	1,061	1,281	1,227	1,240	1,874	1,825	1,844	1,909	1,926	1,934	1,966	1,949	2,194	-	-	
Total Annual Additions	934	1,240	1,022	982	1,333	1,223	1,155	1,178	1,398	1,338	1,347	2,082	2,428	2,627	2,185	2,153	3,337	2,262	2,213	3,146	-	-	

1/ From office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10-20-year annual average.

Sensitivity Portfolio High Private Generation

		Capacity (MW)																				Resource Totals 1/		
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	10-year	20-year	
East	Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Craig 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	(82)	-	-	-	-	-	-	-	-	-	-	(82)	(82)	
	Craig 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(82)	-	-	(82)	
	Hayden 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(45)	-	-	-	-	-	(45)	
	Hayden 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(33)	-	-	-	-	-	(33)	
	Cholla 4 (Coal Early Retirement/Conversions)	-	-	-	-	(387)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(387)	(387)	
	DaveJohnston 1	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)	
	DaveJohnston 2	-	-	-	-	-	-	-	-	-	-	-	(106)	-	-	-	-	-	-	-	-	-	(106)	
	DaveJohnston 3	-	-	-	-	-	-	-	-	-	-	-	(220)	-	-	-	-	-	-	-	-	-	(220)	
	DaveJohnston 4	-	-	-	-	-	-	-	-	-	-	-	(330)	-	-	-	-	-	-	-	-	-	(330)	
	Naughton 1	-	-	-	-	-	-	-	-	-	-	-	-	-	(156)	-	-	-	-	-	-	-	(156)	
	Naughton 2	-	-	-	-	-	-	-	-	-	-	-	-	-	(201)	-	-	-	-	-	-	-	(201)	
	Naughton 3 (Coal Early Retirement/Conversions)	-	-	(280)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(280)	(280)	
	Gadsby 1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(358)	-	-	-	(358)	
	Coal Ret. WY - Gas RePower	-	-	285	-	-	-	-	-	-	-	-	-	-	-	(285)	-	-	-	-	-	-	285	-
	Expansion Resources		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CCCT - Dishes - J 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	477
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	477
	SCCT Frame UTN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-	-	-	-	-	-	200
	Wind, Dphinson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285	-	-	-	-	-	-	285
	Wind, GO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	503	297	-	-	800
	Wind, UT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	463	-	-	463
	Wind, WYAE	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	300	300
Total Wind	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	285	-	-	-	503	760	300	1,849	
Utility Solar - PV - Utah-S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	150	502	-	115	5	-	805	
DSM, Class 1, ID-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	1.3	-	4.7	
DSM, Class 1, ID-Catal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	1.9	
DSM, Class 1, ID-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	3.1	-	21.3	
DSM, Class 1, UT-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68.4	-	68.4	
DSM, Class 1, UT-Catal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75.3	4.8	-	-	-	-	3.7	-	85.9	
DSM, Class 1, UT-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	-	-	3.3	6.3	
DSM, Class 1, WY-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	2.9	-	7.7	
DSM, Class 1, WY-Catal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.7	-	-	-	3.1	-	-	2.0	45.8	
DSM, Class 1, WY-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	1.9	
DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	209.0	10.0	-	3.4	3.1	3.7	3.1	11.6	-	243.8	
DSM, Class 2, ID	5	7	7	6	6	5	5	6	5	5	5	5	5	5	5	4	4	3	3	3	3	56	95	
DSM, Class 2, UT	84	58	62	59	62	58	66	66	66	68	65	63	61	57	57	58	49	44	37	34	35	647	1,141	
DSM, Class 2, WY	8	10	11	10	13	13	14	14	14	14	12	11	11	11	11	9	8	7	7	7	7	121	216	
DSM, Class 2 Total	97	74	79	75	81	77	85	85	88	84	80	77	73	73	73	62	55	47	44	44	44	825	1,452	
POT Mono - SMR	-	-	-	-	-	-	-	-	-	-	-	-	-	249	300	300	300	300	300	299	300	300	132	
West	Existing Plant Retirements/Conversions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jambidge 1 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	-	-	-	-	-	-	-	(354)	
	Jambidge 2 (Coal Early Retirement/Conversions)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(359)	-	-	-	(359)	
	Expansion Resources		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	CCCT - WillowValley - G 1st	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	436	
	Total CCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-	-	436	
	Utility Solar - PV - S-Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	12	
	Utility Solar - PV - Yakima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	5	17	33	-	-	-	82	
	DSM, Class 1, CA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	2.4	
	DSM, Class 1, CA-Catal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	1.2	
	DSM, Class 1, CA-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	-	-	-	-	3.7	
	DSM, Class 1, OR-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.4	24.7	-	3.3	-	-	39.4	
	DSM, Class 1, OR-Catal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.0	-	-	-	-	-	35.0	
	DSM, Class 1, OR-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.8	-	-	-	-	-	12.8	
	DSM, Class 1, WA-Cool/WH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	-	-	-	13.0	
	DSM, Class 1, WA-Catal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-	-	-	-	-	9.1	
	DSM, Class 1, WA-Integrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	-	4.8	
	DSM, Class 1 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.5	24.7	-	3.3	-	-	-	-	121.5
	DSM, Class 2, CA	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	13	21
	DSM, Class 2, OR	46	44	42	37	31	26	23	23	20	19	18	17	17	17	16	16	17	15	15	16	16	310	474
	DSM, Class 2, WA	10	8	9	8	9	9	9	9	8	8	7	6	6	5	5	4	3	2	2	2	2	87	130
	DSM, Class 2 Total	57	53	52	46	41	37	33	33	29	27	26	25	23	23	22	21	20	18	19	18	409	624	
	Geothermal, Greenfield - West	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POT COB - SMR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400	400	400	400	400	400	353	-	1,778	
POT MtColumbia - SMR	395	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	
POT MtColumbia - SMR - 2	-	268	97	27	133	245	172	207	354	281	320	375	375	375	375	375	375	375	375	375	375	178	274	
POT NOB - SMR	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
POT COB - WTR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
POT MtColumbia - WTR	281	-	275	-	323	-	-	-	-	-	-	300	-	291	144	400	121	400	400	400	198	400	118	197
POT MtColumbia - WTR2	-	331	-	310	-	311	309	290	298	-	292	-	375	121	375	78	95	154	375	375	185	204	204	
POT NOB - WTR	-	-	-	-	-	-	-	-	-	52	53	4	5	100	100	100	100	100	100	100	100	10	46	
Existing Plant Retirements/Conversions		-	-	5	-	(387)	-	-	-	-	(82)	-	(762)	(354)	(642)	(78)	-	(717)	-	(82)	-	-	-	
Annual Additions, Long Term Resources		154	128	131	122	422	114	118	118	117	111	107	101	439	801	431	272	1,056	68	684	839	-	-	
Annual Additions, Short Term Resources		776	1,099	873	837	955	1,056	981	997	1,204	1,133	1,116	1,820	2,194	2,196	2,171	2,151	2,170	2,228	2,248	2,489	-	-	
Total Annual Additions		930	1,227	1,004	959	1,377	1,170	1,099	1,115	1,321	1,245	1,223	1,921	2,632	2,997	2,602	2,425	3,226	2,296	2,932	3,328	-	-	

1/ From office transaction amounts reflect one-year transaction periods, are not additive, and are reported as a 10-20-year annual average.