

Black Hills Energy South Dakota Load and Resources Balance with SD Sun Phase 1																						
MW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
<b>PEAK DEMAND</b>																						
Retail Sales	340	341	341	341	343	346	349	350	353	356	359	362	365	367	370	373	376	378	381	384	386	389
COG Wygen III Ownership (23 MW)	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MDU Wygen III Ownership (25 MW)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	388	389	389	389	391	394	397	398	401	404	407	410	413	415	418	421	424	426	429	432	434	437
yearly % change		0.3%	-0.1%	0.0%	0.8%	0.8%	0.9%	0.3%	0.9%	0.8%	0.8%	0.8%	0.8%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%
<b>EXISTING RESOURCES</b>																						
Neil Simpson II	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Wyodak	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
Ben French Diesels	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Ben French CTs	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
Lange CT	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Neil Simpson CT 1	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Wygen III (100 MW)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
CPSG CC	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
<b>Total Existing Resources</b>	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457
<b>PROPOSED RESOURCES</b>																						
Seasonal Firm Energy		50	50															25	25	25	25	25
<b>Total Proposed Resources</b>	0	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
<b>Total Resources</b>	457	507	507	457	457	457	457	457	457	457	457	457	457	457	457	457	457	482	482	482	482	482
<b>PURCHASE</b>																						
Colstrip	50	50	50	50	50																	
Happy Jack	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5												
Silver Sage	2	2	2	2	2	2	2	2	2	2	2											
BHP 50 MW Purchase	50																					
SD Sun 20 MW Solar		12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
SD Sun 20 MW Solar Phase 2																						
SD Sun 20 MW Solar Phase 3																						
<b>Total Purchases</b>	103.5	66.1	66.1	66.1	66.1	16.1	16.1	16.1	16.1	16.1	14.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
<b>SALES</b>																						
MDU Sheridan All-Requirements	35	36	37	41	42																	
COG All-Requirements	9	10	11																			
MEAN	15	12	12	10																		
Cargill Contract	50	50	50																			
	109	109	110	51	42																	
<b>TOTAL RESOURCES</b>	451	465	463	472	481	473	473	473	473	473	472	470	470	470	470	470	470	495	495	495	495	495
<b>DESIRED PLANNING RESERVE (15%)</b>	65	65	66	64	65	59	60	60	60	61	61	61	62	62	63	63	64	64	64	65	65	65
<b>PEAK PLUS RESERVES</b>	453	454	454	453	456	453	457	458	461	465	468	471	475	478	481	484	487	490	493	496	499	502
<b>CAPACITY EXCESS/(DEFICIT) MW</b>	63	76	74	84	90	79	76	75	72	69	65	60	57	54	51	49	46	68	66	63	61	58
<b>CAPACITY EXCESS/(DEFICIT) %</b>	33%	36%	36%	39%	40%																	
<b>15% Margin CAPACITY EXCESS/(DEFICIT) MW</b>	-2	10	9	19	25	20	16	15	12	8	3	-2	-5	-8	-11	-14	-18	4	1	-2	-5	-7
<b>15% Margin CAPACITY EXCESS/(DEFICIT) %</b>	-0.6%	3.0%	2.5%	5.7%	7.3%	5.8%	4.7%	4.4%	3.3%	2.4%	1.0%	-0.5%	-1.4%	-2.2%	-3.0%	-3.8%	-4.7%	1.1%	0.3%	-0.4%	-1.2%	-1.9%

Note1: Peak demand is forecast summer peak and resource capacities are summer ratings corresponding to the peak day.

Note2: Peak demand includes City of Gillette and MDU loads.

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
<b>PEAK DEMAND</b>									
Retail Sales	272	256	247	238	231	321	340	305	252
COG Wygen III Ownership (23 MW)	23	23	23	23	23	23	23	23	23
MDU Wygen III Ownership (25 MW)	25	25	25	25	25	25	25	25	25
<b>EXISTING RESOURCES</b>									
Neil Simpson II	82	82	82	82	82	80	80	80	82
Wyodak	67	67	67	67	67	67	62	62	67
Ben French Diesels	10	10	10	10	10	10	10	10	10
Ben French CTs	88	88	88	88	88	72	72	72	88
Lange CT	0	0	40	40	40	39	39	39	40
Neil Simpson CT 1	39	39	39	39	39	39	39	39	39
Wygen III	103	103	103	103	103	100	100	100	103
CPGS CC	55	55	55	55	55	55	55	55	55
<b>TOTAL EXISTING BHP CAPACITY</b>	444	444	484	484	484	462	457	457	484
<b>PROPOSED RESOURCES</b>									
Seasonal Firm Energy									
<b>Total Proposed Resources</b>	0	0	0	0	0	0	0	0	0
<b>Total Resources</b>	444	444	484	484	484	462	457	457	484
<b>PURCHASES</b>									
Colstrip	50	50	50	50	50	50	50	50	50
Happy Jack	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Silver Sage	2	2	2	2	2	2	2	2	2
BHP 50 MW Purchase	50	50	50	50	50	50	50	50	50
SD Sun 20 MW Solar									12.6
SD Sun 20 MW Solar Phase 2									
SD Sun 20 MW Solar Phase 3									
<b>TOTAL PURCHASES</b>	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	116.1
<b>SALES</b>									
MDU Sheridan All-Requirements	29.6	25.7	22.2	14.1	15.8	30.8	37.6	35.3	25.9
COG All-Requirements	0.9	0.0	0.0	0.0	0.0	4.7	13.0	9.2	2.6
MEAN	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Cargill Contract	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
<b>TOTAL SALES</b>	95.5	90.7	87.2	79.1	80.8	100.5	115.6	109.5	93.5
<b>TOTAL RESOURCES-SALES</b>	452	457	500	508	507	465	445	451	507
<b>DESIRED PLANNING RESERVE (15%)</b>	53	49	48	45	44	61	66	60	49
<b>PEAK PLUS RESERVES</b>	372	353	343	331	323	429	454	413	349
<b>CAPACITY EXCESS/(DEFICIT) MW</b>	132	153	205	223	228	96	57	98	207
<b>CAPACITY EXCESS/(DEFICIT) %</b>	41%	50%	69%	78%	82%	26%	15%	28%	69%
<b>15% Margin CAPACITY EXCESS/(DEFICIT) MW</b>	80	103	157	178	183	36	-9	38	157
<b>15% Margin CAPACITY EXCESS/(DEFICIT) %</b>	21%	29%	46%	54%	57%	8%	-2%	9%	45%
<b>Seasonal Capacity Purchase</b>									

Note1: Peak demand is forecast summer peak and resource capacities are summer ratings corresponding to the peak day.

Note2: Peak demand includes City of Gillette and MDU loads.

Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
233	251	300	273	257	249	239	233	322	341	306	253	234
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	82	82	82	80	80	80	82	82
67	67	67	67	67	67	67	67	67	62	62	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	88	88	88	72	72	72	88	88
40	0	0	0	0	40	40	40	39	39	39	40	40
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	103	103	103	100	100	100	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
484	444	444	444	444	484	484	484	462	457	457	484	484
									50			
0	0	0	0	0	0	0	0	0	50	0	0	0
484	444	444	444	444	484	484	484	462	507	457	484	484
50	50	50	50	50	50	50	50	50	50	50	50	50
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
50	50	50	50	50	50	50	50	50	50	50	50	50
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
116.1	116.1	116.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
15.9	24.4	27.8	30.2	26.3	22.8	14.6	16.5	31.8	38.7	36.4	26.9	16.3
0.0	0.0	2.0	1.8	0.0	0.0	0.0	0.0	5.6	14.1	10.1	3.5	0.0
15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0	12.0	12.0	12.0	12.0
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
80.9	89.4	94.8	97.0	91.3	87.8	79.6	81.5	99.4	114.8	108.5	92.4	78.3
519	471	465	413	419	462	471	469	429	458	415	458	472
45	49	57	53	50	48	45	45	61	66	60	50	45
326	348	404	374	355	345	332	325	431	455	414	351	327
238	171	118	92	114	165	183	188	59	69	60	157	190
85%	57%	34%	29%	37%	56%	64%	67%	16%	18%	17%	52%	67%
194	123	61	39	64	117	138	144	-3	3	0	107	145
59%	35%	15%	10%	18%	34%	42%	44%	-1%	1%	0%	31%	44%

Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21
252	300	273	257	249	239	232	322	341	306	253	234	252
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	82	82	80	80	80	82	82	82
67	67	67	67	67	67	67	67	62	62	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	88	88	72	72	72	88	88	88
0	0	0	0	40	40	40	39	39	39	40	40	0
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	103	103	100	100	100	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
444	444	444	444	484	484	484	462	457	457	484	484	444
								50				
0	0	0	0	0	0	0	0	50	0	0	0	0
444	444	444	444	484	484	484	462	507	457	484	484	444
50	50	50	50	50	50	50	50	50	50	50	50	50
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
24.9	28.4	30.8	26.8	23.3	15.0	17.2	32.7	39.7	37.3	27.7	16.7	25.5
0.0	2.9	2.6	0.0	0.0	0.0	0.0	6.5	15.1	11.1	4.4	0.0	0.0
12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
86.9	93.3	95.4	88.8	85.3	77.0	79.2	101.2	116.8	110.4	94.1	78.7	87.5
423	417	415	421	465	473	471	427	456	413	456	471	423
49	57	53	50	48	45	45	61	67	60	50	45	49
349	405	374	355	345	332	325	431	455	414	351	326	349
123	68	94	116	168	186	191	57	68	59	155	190	123
41%	20%	29%	38%	57%	65%	68%	15%	17%	17%	52%	67%	41%
74	11	41	67	120	141	146	-4	1	-1	106	145	74
21%	3%	11%	19%	35%	43%	45%	-1%	0%	0%	30%	44%	21%

Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
300	273	257	249	239	232	322	341	306	253	234	252	300
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	82	80	80	80	82	82	82	82
67	67	67	67	67	67	67	62	62	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	88	72	72	72	88	88	88	88
0	0	0	40	40	40	39	39	39	40	40	0	0
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	103	100	100	100	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
444	444	444	484	484	484	462	457	457	484	484	444	444
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	444	484	484	484	462	457	457	484	484	444	444
50	50	50	50	50	50	50	50	50	50	50	50	50
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
28.9	31.4	27.4	23.8	15.4	17.9	33.5	40.7	38.3	28.5	17.2	26.0	29.5
3.8												
12.0	12.0	12.0	12.0	12.0	12.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
50.0												
94.7	43.4	39.4	35.8	27.4	29.9	43.5	50.7	48.3	38.5	27.2	36.0	39.5
415	467	471	514	523	520	485	472	475	512	523	474	471
57	53	50	48	45	45	61	64	59	49	45	49	57
405	374	355	345	332	325	430	453	413	350	327	349	405
67	146	166	218	236	240	115	84	121	211	241	174	123
19%	45%	54%	73%	82%	86%	31%	22%	34%	70%	86%	58%	35%
10	93	116	170	191	195	54	19	62	161	196	125	66
3%	25%	33%	49%	57%	60%	13%	4%	15%	46%	60%	36%	16%

Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
275	259	250	240	234	324	343	308	254	235	254	302	277
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	80	80	80	82	82	82	82	82
67	67	67	67	67	67	62	62	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	72	72	72	88	88	88	88	88
0	0	40	40	40	39	39	39	40	40	0	0	0
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	100	100	100	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
444	444	484	484	484	462	457	457	484	484	444	444	444
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	484	484	484	462	457	457	484	484	444	444	444
50	50	50	50	50	50	50	50	50	50	50	50	50
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
32.0	27.9	24.3	15.9	18.6	34.5	41.8	39.3	29.4	17.6	26.5	30.1	16.1
10.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.0	37.9	34.3	25.9	28.6	34.5	41.8	39.3	29.4	17.6	26.5	30.1	460
468	472	516	524	522	494	481	484	521	533	484	480	49
53	50	48	46	45	61	65	59	50	45	49	57	373
376	357	347	334	327	433	456	415	352	328	351	407	136
146	166	218	236	240	121	90	128	218	249	182	130	42%
45%	54%	73%	82%	85%	33%	23%	36%	72%	88%	60%	37%	87
92	116	169	190	195	60	25	68	169	204	133	73	23%
25%	32%	49%	57%	60%	14%	6%	16%	48%	62%	38%	18%	

Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25
260	252	242	235	327	346	310	257	238	257	306	279	262
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	80	80	80	82	82	82	82	82	82
67	67	67	67	67	62	62	67	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	72	72	72	88	88	88	88	88	88
0	40	40	40	39	39	39	40	40	0	0	0	0
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	100	100	100	103	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
444	484	484	484	462	457	457	484	484	444	444	444	444
0	0	0	0	0	0	0	0	0	0	0	0	0
444	484	484	484	462	457	457	484	484	444	444	444	444
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
460	500	500	500	478	473	473	500	500	460	460	460	460
46	45	43	42	56	59	54	46	43	46	53	49	47
355	345	333	326	431	453	412	351	329	350	407	376	357
152	200	210	217	103	79	115	195	214	155	107	133	150
49%	67%	73%	77%	28%	20%	32%	64%	75%	51%	30%	41%	48%
106	155	167	174	47	20	61	149	171	110	54	84	103
30%	45%	50%	54%	11%	4%	15%	42%	52%	31%	13%	22%	29%

Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
254	244	237	330	349	313	259	240	259	308	279	262	254
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	80	80	80	82	82	82	82	82	82	82
67	67	67	67	62	62	67	67	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	72	72	72	88	88	88	88	88	88	88
40	40	40	39	39	39	40	40	0	0	0	0	40
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	100	100	100	103	103	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
484	484	484	462	457	457	484	484	444	444	444	444	484
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	484	462	457	457	484	484	444	444	444	444	484
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
500	500	500	478	473	473	500	500	460	460	460	460	500
45	44	43	57	60	54	46	43	46	53	49	47	45
347	335	328	434	457	415	354	331	353	410	376	357	347
198	208	215	100	76	112	193	212	153	104	133	150	198
66%	71%	75%	27%	19%	31%	63%	74%	50%	29%	41%	48%	66%
153	165	172	44	16	58	147	169	107	51	84	103	153
44%	49%	53%	10%	4%	14%	41%	51%	30%	12%	22%	29%	44%



Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27
244	237	330	350	314	259	239	259	309	281	264	256	245
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	80	80	80	82	82	82	82	82	82	82	82
67	67	67	62	62	67	67	67	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	72	72	72	88	88	88	88	88	88	88	88
40	40	39	39	39	40	40	0	0	0	0	40	40
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	100	100	100	103	103	103	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
484	484	462	457	457	484	484	444	444	444	444	484	484
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	462	457	457	484	484	444	444	444	444	484	484
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
500	500	478	473	473	500	500	460	460	460	460	500	500
44	43	57	60	54	46	43	46	54	49	47	46	44
335	327	435	458	416	354	330	353	410	379	359	349	337
209	215	100	75	111	193	213	154	103	131	148	196	207
72%	76%	26%	19%	31%	63%	74%	50%	29%	40%	47%	65%	70%
165	173	43	15	57	147	170	108	50	82	101	151	163
49%	53%	10%	3%	14%	41%	51%	30%	12%	22%	28%	43%	48%

May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Apr-28	May-28
239	333	353	316	261	241	261	311	283	266	258	247	240
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	80	80	80	82	82	82	82	82	82	82	82	82
67	67	62	62	67	67	67	67	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	72	72	72	88	88	88	88	88	88	88	88	88
40	39	39	39	40	40	0	0	0	0	40	40	40
39	39	39	39	39	39	39	39	39	39	39	39	39
103	100	100	100	103	103	103	103	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
484	462	457	457	484	484	444	444	444	444	484	484	484
0	0	0	0	0	0	0	0	0	0	0	0	0
484	462	457	457	484	484	444	444	444	444	484	484	484
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
500	478	473	473	500	500	460	460	460	460	500	500	500
43	57	60	55	46	43	46	54	50	47	46	44	43
330	438	461	419	356	332	355	413	381	362	352	339	332
214	97	72	109	191	211	152	101	129	146	194	205	212
75%	25%	18%	30%	62%	73%	49%	28%	39%	46%	64%	69%	73%
171	40	12	54	144	168	105	47	79	99	149	161	169
52%	9%	3%	13%	41%	50%	30%	11%	21%	27%	42%	47%	51%

Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Apr-29	May-29	Jun-29
336	356	319	263	243	262	314	286	268	260	249	242	339
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
80	80	80	82	82	82	82	82	82	82	82	82	80
67	62	62	67	67	67	67	67	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
72	72	72	88	88	88	88	88	88	88	88	88	72
39	39	39	40	40	0	0	0	0	40	40	40	39
39	39	39	39	39	39	39	39	39	39	39	39	39
100	100	100	103	103	103	103	103	103	103	103	103	100
55	55	55	55	55	55	55	55	55	55	55	55	55
462	457	457	484	484	444	444	444	444	484	484	484	462
0	0	0	0	0	0	0	0	0	0	0	0	0
462	457	457	484	484	444	444	444	444	484	484	484	462
1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
16.1	16.1	16.1	16.1	16.1	16.1	16.1	14.6	14.6	14.6	14.6	14.6	14.6
478	473	473	500	500	460	460	459	459	499	499	499	477
58	61	55	47	44	47	54	50	47	46	45	43	58
442	465	422	358	334	357	416	384	364	354	341	333	445
94	69	106	189	209	150	98	125	142	191	202	209	90
25%	17%	29%	61%	72%	48%	27%	37%	45%	62%	68%	72%	23%
37	8	51	142	166	103	44	75	95	145	157	165	32
8%	2%	12%	40%	50%	29%	11%	20%	26%	41%	46%	50%	7%

Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Apr-30	May-30	Jun-30	Jul-30
359	321	265	245	264	316	288	270	261	251	244	341	362
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
80	80	82	82	82	82	82	82	82	82	82	80	80
62	62	67	67	67	67	67	67	67	67	67	67	62
10	10	10	10	10	10	10	10	10	10	10	10	10
72	72	88	88	88	88	88	88	88	88	88	72	72
39	39	40	40	0	0	0	0	40	40	40	39	39
39	39	39	39	39	39	39	39	39	39	39	39	39
100	100	103	103	103	103	103	103	103	103	103	100	100
55	55	55	55	55	55	55	55	55	55	55	55	55
457	457	484	484	444	444	444	444	484	484	484	462	457
0	0	0	0	0	0	0	0	0	0	0	0	0
457	457	484	484	444	444	444	444	484	484	484	462	457
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
14.6	14.6	14.6	14.6	14.6	14.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
472	472	499	499	459	459	457	457	497	497	497	475	470
61	55	47	44	47	55	50	48	46	45	44	58	61
468	425	360	336	359	419	386	366	356	343	335	448	471
65	102	185	206	146	95	121	138	187	198	205	85	60
16%	28%	59%	70%	47%	26%	36%	43%	60%	66%	70%	22%	15%
3	47	138	162	99	40	71	91	141	153	161	27	-2
1%	11%	38%	48%	28%	10%	18%	25%	40%	45%	48%	6%	0%

Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Apr-31	May-31	Jun-31	Jul-31	Aug-31
324	267	246	266	319	290	272	263	252	245	344	365	326
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
80	82	82	82	82	82	82	82	82	82	80	80	80
62	67	67	67	67	67	67	67	67	67	67	62	62
10	10	10	10	10	10	10	10	10	10	10	10	10
72	88	88	88	88	88	88	88	88	88	72	72	72
39	40	40	0	0	0	0	40	40	40	39	39	39
39	39	39	39	39	39	39	39	39	39	39	39	39
100	103	103	103	103	103	103	103	103	103	100	100	100
55	55	55	55	55	55	55	55	55	55	55	55	55
457	484	484	444	444	444	444	484	484	484	462	457	457
0	0	0	0	0	0	0	0	0	0	0	0	0
457	484	484	444	444	444	444	484	484	484	462	457	457
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
470	497	497	457	457	457	457	497	497	497	475	470	470
56	47	44	47	55	51	48	47	45	44	59	62	56
428	363	338	361	421	388	368	358	345	337	451	475	430
98	181	202	142	90	119	136	185	196	203	83	57	95
26%	58%	69%	45%	25%	35%	43%	60%	65%	69%	21%	14%	25%
42	134	158	95	35	68	88	139	151	159	24	-5	39
10%	37%	47%	26%	8%	18%	24%	39%	44%	47%	5%	-1%	9%

Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32
269	248	268	321	292	274	265	254	247	346	367	329	271
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	82	82	82	82	80	80	80	82
67	67	67	67	67	67	67	67	67	67	62	62	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	88	88	88	88	72	72	72	88
40	40	0	0	0	0	40	40	40	39	39	39	40
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	103	103	103	103	100	100	100	103
55	55	55	55	55	55	55	55	55	55	55	55	55
484	484	444	444	444	444	484	484	484	462	457	457	484
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	444	444	444	444	484	484	484	462	457	457	484
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
497	497	457	457	457	457	497	497	497	475	470	470	497
48	44	47	55	51	48	47	45	44	59	62	56	48
365	340	363	424	391	370	360	347	339	454	478	433	367
180	201	141	88	117	135	184	195	202	80	54	93	178
57%	68%	44%	24%	34%	42%	59%	64%	68%	20%	13%	25%	56%
132	156	93	32	66	86	137	149	157	21	-8	37	130
36%	46%	26%	8%	17%	23%	38%	43%	46%	5%	-2%	8%	35%

Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33
249	270	323	294	276	267	256	248	349	370	331	273	251
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	82	82	82	80	80	80	82	82
67	67	67	67	67	67	67	67	67	62	62	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	88	88	88	72	72	72	88	88
40	0	0	0	0	40	40	40	39	39	39	40	40
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	103	103	103	100	100	100	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
484	444	444	444	444	484	484	484	462	457	457	484	484
0	0	0	0	0	0	0	0	0	0	0	0	0
484	444	444	444	444	484	484	484	462	457	457	484	484
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
497	457	457	457	457	497	497	497	475	470	470	497	497
45	48	56	51	49	47	46	44	60	63	57	48	45
342	366	427	393	372	362	349	341	456	481	436	369	344
199	139	86	115	133	182	193	200	78	51	91	176	198
67%	44%	23%	34%	41%	58%	64%	68%	20%	12%	24%	55%	66%
155	91	30	64	84	135	147	156	18	-11	34	128	153
45%	25%	7%	16%	23%	37%	42%	46%	4%	-2%	8%	35%	44%

Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Apr-34	May-34	Jun-34	Jul-34	Aug-34	Sep-34	Oct-34	Nov-34
272	325	296	278	269	257	250	351	373	333	274	252	273
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	82	82	80	80	80	82	82	82
67	67	67	67	67	67	67	67	62	62	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	88	88	72	72	72	88	88	88
0	0	0	0	40	40	40	39	39	39	40	40	0
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	103	103	100	100	100	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
444	444	444	444	484	484	484	462	457	457	484	484	444
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	444	444	484	484	484	462	457	457	484	484	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
457	457	457	457	497	497	497	475	470	470	497	497	457
48	56	52	49	47	46	45	60	63	57	48	45	48
368	429	395	374	364	351	343	459	484	438	371	346	370
137	83	113	131	180	191	199	75	49	88	174	196	135
43%	22%	33%	40%	57%	63%	67%	19%	12%	23%	54%	65%	42%
89	27	61	82	133	146	154	15	-14	31	126	151	87
24%	6%	16%	22%	36%	41%	45%	3%	-3%	7%	34%	44%	24%



Dec-34	Jan-35	Feb-35	Mar-35	Apr-35	May-35	Jun-35	Jul-35	Aug-35	Sep-35	Oct-35	Nov-35	Dec-35
328	298	280	270	259	252	354	376	336	276	254	275	330
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	82	80	80	80	82	82	82	82
67	67	67	67	67	67	67	62	62	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	88	72	72	72	88	88	88	88
0	0	0	40	40	40	39	39	39	40	40	0	0
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	103	100	100	100	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
444	444	444	484	484	484	462	457	457	484	484	444	444
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	444	484	484	484	462	457	457	484	484	444	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
457	457	457	497	497	497	475	470	470	497	497	457	457
56	52	49	48	46	45	60	64	58	49	45	48	57
432	397	377	366	353	345	462	487	441	373	347	372	435
81	111	129	178	190	197	73	46	86	172	195	133	79
22%	32%	39%	56%	62%	66%	18%	11%	22%	53%	64%	41%	21%
25	59	80	131	144	152	12	-18	28	124	149	85	22
6%	15%	21%	36%	41%	44%	3%	-4%	6%	33%	43%	23%	5%

Jan-36	Feb-36	Mar-36	Apr-36	May-36	Jun-36	Jul-36	Aug-36	Sep-36	Oct-36	Nov-36	Dec-36	Jan-37
300	281	272	261	253	356	378	338	278	256	277	332	302
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	82	80	80	80	82	82	82	82	82
67	67	67	67	67	67	62	62	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	88	72	72	72	88	88	88	88	88
0	0	40	40	40	39	39	39	40	40	0	0	0
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	103	100	100	100	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
444	444	484	484	484	462	457	457	484	484	444	444	444
						25						
0	0	0	0	0	0	25	0	0	0	0	0	0
444	444	484	484	484	462	482	457	484	484	444	444	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
457	457	497	497	497	475	495	470	497	497	457	457	457
52	49	48	46	45	61	64	58	49	46	49	57	52
400	379	368	355	346	465	490	444	375	349	374	437	402
109	127	176	188	195	70	68	84	171	193	132	76	107
31%	39%	55%	61%	65%	17%	16%	22%	52%	64%	41%	20%	31%
57	78	128	142	150	9	4	26	122	147	83	19	55
14%	21%	35%	40%	43%	2%	1%	6%	32%	42%	22%	4%	14%

Feb-37	Mar-37	Apr-37	May-37	Jun-37	Jul-37	Aug-37	Sep-37	Oct-37	Nov-37	Dec-37	Jan-38	Feb-38
283	274	262	255	359	381	340	280	257	279	334	303	285
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	82	80	80	80	82	82	82	82	82	82
67	67	67	67	67	62	62	67	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	88	72	72	72	88	88	88	88	88	88
0	40	40	40	39	39	39	40	40	0	0	0	0
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	103	100	100	100	103	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
444	484	484	484	462	457	457	484	484	444	444	444	444
					25							
0	0	0	0	0	25	0	0	0	0	0	0	0
444	484	484	484	462	482	457	484	484	444	444	444	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
457	497	497	497	475	495	470	497	497	457	457	457	457
50	48	47	45	61	64	58	49	46	49	57	53	50
381	370	357	348	468	493	447	377	351	376	440	404	383
125	175	186	194	68	66	81	169	191	130	74	105	124
38%	54%	60%	64%	17%	15%	21%	51%	63%	40%	19%	30%	37%
76	127	140	148	7	1	23	120	146	81	17	52	74
20%	34%	39%	43%	1%	0%	5%	32%	41%	22%	4%	13%	19%

Mar-38	Apr-38	May-38	Jun-38	Jul-38	Aug-38	Sep-38	Oct-38	Nov-38	Dec-38	Jan-39	Feb-39	Mar-39
275	264	256	361	384	342	282	259	280	336	305	287	277
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	82	80	80	80	82	82	82	82	82	82	82
67	67	67	67	62	62	67	67	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	88	72	72	72	88	88	88	88	88	88	88
40	40	40	39	39	39	40	40	0	0	0	0	40
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	103	100	100	100	103	103	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
484	484	484	462	457	457	484	484	444	444	444	444	484
				25								
0	0	0	0	25	0	0	0	0	0	0	0	0
484	484	484	462	482	457	484	484	444	444	444	444	484
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
497	497	497	475	495	470	497	497	457	457	457	457	497
49	47	46	61	65	59	49	46	49	58	53	50	49
372	359	350	471	496	449	379	353	378	442	406	385	374
173	185	192	65	63	79	167	190	128	72	103	122	171
54%	59%	63%	16%	15%	20%	51%	62%	39%	19%	29%	36%	53%
125	138	147	4	-2	21	118	144	79	14	50	72	123
33%	39%	42%	1%	0%	5%	31%	41%	21%	3%	12%	19%	33%

Apr-39	May-39	Jun-39	Jul-39	Aug-39	Sep-39	Oct-39	Nov-39	Dec-39	Jan-40	Feb-40	Mar-40	Apr-40
265	258	364	386	345	283	260	282	339	307	288	279	267
23	23	23	23	23	23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25	25	25	25	25	25
82	82	80	80	80	82	82	82	82	82	82	82	82
67	67	67	62	62	67	67	67	67	67	67	67	67
10	10	10	10	10	10	10	10	10	10	10	10	10
88	88	72	72	72	88	88	88	88	88	88	88	88
40	40	39	39	39	40	40	0	0	0	0	40	40
39	39	39	39	39	39	39	39	39	39	39	39	39
103	103	100	100	100	103	103	103	103	103	103	103	103
55	55	55	55	55	55	55	55	55	55	55	55	55
484	484	462	457	457	484	484	444	444	444	444	484	484
			25									
0	0	0	25	0	0	0	0	0	0	0	0	0
484	484	462	482	457	484	484	444	444	444	444	484	484
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
497	497	475	495	470	497	497	457	457	457	457	497	497
47	46	62	65	59	50	46	49	58	53	50	49	47
360	352	473	499	452	381	354	379	445	408	387	376	362
183	191	63	61	77	165	188	127	70	101	120	170	182
59%	62%	15%	14%	20%	50%	61%	38%	18%	29%	36%	52%	58%
136	145	1	-5	18	116	142	77	12	48	70	121	135
38%	41%	0%	-1%	4%	30%	40%	20%	3%	12%	18%	32%	37%

May-40	Jun-40	Jul-40	Aug-40	Sep-40	Oct-40	Nov-40	Dec-40
259	366	389	347	285	262	284	341
23	23	23	23	23	23	23	23
25	25	25	25	25	25	25	25
82	80	80	80	82	82	82	82
67	67	62	62	67	67	67	67
10	10	10	10	10	10	10	10
88	72	72	72	88	88	88	88
40	39	39	39	40	40	0	0
39	39	39	39	39	39	39	39
103	100	100	100	103	103	103	103
55	55	55	55	55	55	55	55
484	462	457	457	484	484	444	444
		25					
0	0	25	0	0	0	0	0
484	462	482	457	484	484	444	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
497	475	495	470	497	497	457	457
46	62	65	59	50	46	50	58
353	476	502	454	383	356	381	447
189	61	58	75	164	187	125	68
62%	15%	13%	19%	49%	60%	38%	17%
143	-1	-7	16	114	141	75	10
41%	0%	-1%	3%	30%	39%	20%	2%

Black Hills Energy South Dakota Load and Resources Balance with SD Sun Phase 1 & Fall River																						
MW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
<b>PEAK DEMAND</b>																						
Retail Sales	340	341	341	341	343	346	349	350	353	356	359	362	365	367	370	373	376	378	381	384	386	389
COG Wygen III Ownership (23 MW)	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MDU Wygen III Ownership (25 MW)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	388	389	389	389	391	394	397	398	401	404	407	410	413	415	418	421	424	426	429	432	434	437
yearly % change		0.3%	-0.1%	0.0%	0.8%	0.8%	0.9%	0.3%	0.9%	0.8%	0.8%	0.8%	0.8%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%
<b>EXISTING RESOURCES</b>																						
Neil Simpson II	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Wyodak	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
Ben French Diesels	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Ben French CTs	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
Lange CT	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Neil Simpson CT 1	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Wygen III (100 MW)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
CPGS CC	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
<b>Total Existing Resources</b>	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457
<b>PROPOSED RESOURCES</b>																						
Seasonal Firm Energy		50																				
<b>Total Proposed Resources</b>	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Resources</b>	457	507	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457
<b>PURCHASE</b>																						
Colstrip	50	50	50	50	50																	
Happy Jack	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5												
Silver Sage	2	2	2	2	2	2	2	2	2	2	2											
BHP 50 MW Purchase	50																					
SD Sun 20 MW Solar		12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
SD Sun 20 MW Solar Phase 2																						
SD Sun 20 MW Solar Phase 3																						
Fall River 80 MW Solar (1/1/2021)			50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
<b>Total Purchases</b>	103.5	66.1	116.5	116.5	116.5	66.5	66.5	66.5	66.5	66.5	65	63	63	63	63	63	63	63	63	63	63	63
<b>SALES</b>																						
MDU Sheridan All-Requirements	35	36	37	41	42																	
COG All-Requirements	9	10	11																			
MEAN	15	12	12	10																		
Cargill Contract	50	50	50																			
	109	109	110	51	42																	
<b>TOTAL RESOURCES</b>	451	465	463	523	532	524	524	524	524	524	522	520	520	520	520	520	520	520	520	520	520	520
<b>DESIRED PLANNING RESERVE (15%)</b>	65	65	66	64	65	59	60	60	60	61	61	61	62	62	63	63	64	64	64	65	65	65
<b>PEAK PLUS RESERVES</b>	453	454	454	453	456	453	457	458	461	465	468	471	475	478	481	484	487	490	493	496	499	502
<b>CAPACITY EXCESS/(DEFICIT) MW</b>	63	76	75	134	140	129	126	125	122	119	115	110	107	105	102	99	96	94	91	88	86	83
<b>CAPACITY EXCESS/(DEFICIT) %</b>	33%	36%	36%	53%	55%																	
<b>15% Margin CAPACITY EXCESS/(DEFICIT) MW</b>	-2	10	9	70	75	70	67	66	62	59	54	49	45	42	39	36	33	30	27	24	21	18
<b>15% Margin CAPACITY EXCESS/(DEFICIT) %</b>	-0.6%	3.0%	2.6%	20.5%	22.0%	20.3%	19.2%	18.7%	17.6%	16.5%	15.0%	13.4%	12.4%	11.5%	10.6%	9.7%	8.8%	7.9%	7.0%	6.2%	5.4%	4.6%

Note1: Peak demand is forecast summer peak and resource capacities are summer ratings corresponding to the peak day.

Note2: Peak demand includes City of Gillette and MDU loads.

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
<b>PROPOSED RESOURCES</b>									
Seasonal Firm Energy									
<b>Total Proposed Resources</b>	0	0	0	0	0	0	0	0	0
<b>Total Resources</b>	444	444	484	484	484	462	457	457	484
<b>PURCHASES</b>									
Colstrip	50	50	50	50	50	50	50	50	50
Happy Jack	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Silver Sage	2	2	2	2	2	2	2	2	2
BHP 50 MW Purchase	50	50	50	50	50	50	50	50	50
SD Sun 20 MW Solar									12.6
SD Sun 20 MW Solar Phase 2									
SD Sun 20 MW Solar Phase 3									
<b>Fall River 80 MW Solar (1/1/2021)</b>									
<b>TOTAL PURCHASES</b>	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	116.1
<b>SALES</b>									
MDU Sheridan All-Requirements	29.6	25.7	22.2	14.1	15.8	30.8	37.6	35.3	25.9
COG All-Requirements	0.9	0.0	0.0	0.0	0.0	4.7	13.0	9.2	2.6
MEAN	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Cargill Contract	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
<b>TOTAL SALES</b>	95.5	90.7	87.2	79.1	80.8	100.5	115.6	109.5	93.5
<b>TOTAL RESOURCES-SALES</b>	452	457	500	508	507	465	445	451	507
<b>DESIRED PLANNING RESERVE (15%)</b>	53	49	48	45	44	61	66	60	49
<b>PEAK PLUS RESERVES</b>	372	353	343	331	323	429	454	413	349
<b>CAPACITY EXCESS/(DEFICIT) MW</b>	132	153	205	223	228	96	57	98	207
<b>CAPACITY EXCESS/(DEFICIT) %</b>	41%	50%	69%	78%	82%	26%	15%	28%	69%
<b>15% Margin CAPACITY EXCESS/(DEFICIT) MW</b>	80	103	157	178	183	36	-9	38	157
<b>15% Margin CAPACITY EXCESS/(DEFICIT) %</b>	21%	29%	46%	54%	57%	8%	-2%	9%	45%
<b>Seasonal Capacity Purchase</b>									

Note1: Peak demand is forecast summer peak and resource capacities are summer ratings corresponding to the peak day.

Note2: Peak demand includes City of Gillette and MDU loads.



Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
									50			
0	0	0	0	0	0	0	0	0	50	0	0	0
484	444	444	444	444	484	484	484	462	507	457	484	484
50	50	50	50	50	50	50	50	50	50	50	50	50
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
50	50	50										
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
116.1	116.1	116.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
15.9	24.4	27.8	30.2	26.3	22.8	14.6	16.5	31.8	38.7	36.4	26.9	16.3
0.0	0.0	2.0	1.8	0.0	0.0	0.0	0.0	5.6	14.1	10.1	3.5	0.0
15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.0	12.0	12.0	12.0	12.0
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
80.9	89.4	94.8	97.0	91.3	87.8	79.6	81.5	99.4	114.8	108.5	92.4	78.3
519	471	465	413	419	462	471	469	429	458	415	458	472
45	49	57	53	50	48	45	45	61	66	60	50	45
326	348	404	374	355	345	332	325	431	455	414	351	327
238	171	118	92	114	165	183	188	59	69	60	157	190
85%	57%	34%	29%	37%	56%	64%	67%	16%	18%	17%	52%	67%
194	123	61	39	64	117	138	144	-3	3	0	107	145
59%	35%	15%	10%	18%	34%	42%	44%	-1%	1%	0%	31%	44%

Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	444	444	484	484	484	462	457	457	484	484	444
50	50	50	50	50	50	50	50	50	50	50	50	50
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
		50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
66.1	66.1	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5
24.9	28.4	30.8	26.8	23.3	15.0	17.2	32.7	39.7	37.3	27.7	16.7	25.5
0.0	2.9	2.6	0.0	0.0	0.0	0.0	6.5	15.1	11.1	4.4	0.0	0.0
12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
86.9	93.3	95.4	88.8	85.3	77.0	79.2	101.2	116.8	110.4	94.1	78.7	87.5
423	417	465	472	515	524	521	477	457	463	506	522	473
49	57	53	50	48	45	45	61	67	60	50	45	49
349	405	374	355	345	332	325	431	455	414	351	326	349
123	68	144	167	219	237	241	107	68	109	206	240	173
41%	20%	45%	55%	74%	83%	86%	29%	18%	31%	68%	85%	58%
74	11	91	117	171	192	196	46	2	49	156	195	124
21%	3%	24%	33%	50%	58%	60%	11%	0%	12%	44%	60%	36%

Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	444	484	484	484	462	457	457	484	484	444	444
50	50	50	50	50	50	50	50	50	50	50	50	50
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5
28.9	31.4	27.4	23.8	15.4	17.9	33.5	40.7	38.3	28.5	17.2	26.0	29.5
3.8												
12.0	12.0	12.0	12.0	12.0	12.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
50.0												
94.7	43.4	39.4	35.8	27.4	29.9	43.5	50.7	48.3	38.5	27.2	36.0	39.5
466	517	521	565	573	571	535	523	525	562	573	525	521
57	53	50	48	45	45	61	64	59	49	45	49	57
405	374	355	345	332	325	430	453	413	350	327	349	405
118	196	216	268	286	290	165	134	171	261	292	224	173
34%	61%	71%	90%	100%	104%	45%	35%	48%	87%	103%	75%	50%
61	144	166	220	241	246	105	70	113	212	247	176	116
15%	38%	47%	64%	73%	76%	24%	15%	27%	61%	76%	50%	29%

Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	484	484	484	462	457	457	484	484	444	444	444
50	50	50	50	50	50	50	50	50	50	50	50	50
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	66.5
32.0	27.9	24.3	15.9	18.6	34.5	41.8	39.3	29.4	17.6	26.5	30.1	
10.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
42.0	37.9	34.3	25.9	28.6	34.5	41.8	39.3	29.4	17.6	26.5	30.1	
519	523	566	575	572	544	532	534	571	583	534	530	511
53	50	48	46	45	61	65	59	50	45	49	57	49
376	357	347	334	327	433	456	415	352	328	351	407	373
196	216	268	286	290	172	140	178	269	300	232	180	186
61%	70%	90%	99%	103%	46%	36%	50%	89%	106%	77%	52%	57%
143	166	220	241	245	111	75	119	219	255	183	123	137
38%	47%	63%	72%	75%	26%	17%	29%	62%	78%	52%	30%	37%

Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25
0	0	0	0	0	0	0	0	0	0	0	0	0
444	484	484	484	462	457	457	484	484	444	444	444	444
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
511	551	551	551	529	524	524	551	551	511	511	511	511
46	45	43	42	56	59	54	46	43	46	53	49	47
355	345	333	326	431	453	412	351	329	350	407	376	357
202	251	261	267	154	129	165	245	265	206	157	184	200
66%	84%	90%	94%	41%	33%	46%	80%	93%	68%	44%	56%	64%
156	206	217	225	97	70	111	199	222	160	104	135	154
44%	60%	65%	69%	23%	16%	27%	57%	67%	46%	26%	36%	43%

Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	484	462	457	457	484	484	444	444	444	444	484
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
551	551	551	529	524	524	551	551	511	511	511	511	551
45	44	43	57	60	54	46	43	46	53	49	47	45
347	335	328	434	457	415	354	331	353	410	376	357	347
249	259	266	151	126	162	243	263	204	154	183	200	249
82%	89%	93%	40%	32%	45%	79%	91%	66%	43%	56%	64%	82%
203	215	223	94	67	108	197	220	158	101	134	154	203
59%	64%	68%	22%	15%	26%	56%	66%	45%	25%	36%	43%	59%

Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	462	457	457	484	484	444	444	444	444	484	484
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
551	551	529	524	524	551	551	511	511	511	511	551	551
44	43	57	60	54	46	43	46	54	49	47	46	44
335	327	435	458	416	354	330	353	410	379	359	349	337
259	266	150	125	162	243	263	204	154	181	198	247	257
89%	93%	40%	31%	45%	79%	92%	67%	43%	55%	63%	81%	88%
215	223	93	66	108	197	220	158	100	132	151	201	213
64%	68%	21%	14%	26%	56%	67%	45%	24%	35%	42%	58%	63%

May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Apr-28	May-28
0	0	0	0	0	0	0	0	0	0	0	0	0
484	462	457	457	484	484	444	444	444	444	484	484	484
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
551	529	524	524	551	551	511	511	511	511	551	551	551
43	57	60	55	46	43	46	54	50	47	46	44	43
330	438	461	419	356	332	355	413	381	362	352	339	332
264	147	122	159	241	261	202	151	179	196	245	255	262
92%	39%	31%	44%	78%	90%	65%	42%	54%	62%	80%	87%	91%
221	90	62	105	195	218	156	97	129	149	199	211	219
67%	21%	13%	25%	55%	66%	44%	24%	34%	41%	57%	62%	66%



Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Apr-29	May-29	Jun-29
0	0	0	0	0	0	0	0	0	0	0	0	0
462	457	457	484	484	444	444	444	444	484	484	484	462
1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
66.5	66.5	66.5	66.5	66.5	66.5	66.5	65	65	65	65	65	65
529	524	524	551	551	511	511	509	509	549	549	549	527
58	61	55	47	44	47	54	50	47	46	45	43	58
442	465	422	358	334	357	416	384	364	354	341	333	445
145	119	157	239	260	200	149	175	193	241	252	259	140
38%	30%	43%	77%	89%	64%	41%	53%	61%	78%	85%	89%	36%
87	59	102	192	216	153	95	125	145	195	208	216	82
20%	13%	24%	54%	65%	43%	23%	33%	40%	55%	61%	65%	19%

Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Apr-30	May-30	Jun-30	Jul-30
0	0	0	0	0	0	0	0	0	0	0	0	0
457	457	484	484	444	444	444	444	484	484	484	462	457
2	2	2	2	2	2							
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
65	65	65	65	65	65	63	63	63	63	63	63	63
522	522	549	549	509	509	507	507	547	547	547	525	520
61	55	47	44	47	55	50	48	46	45	44	58	61
468	425	360	336	359	419	386	366	356	343	335	448	471
115	153	236	256	197	145	171	189	238	248	255	136	110
28%	41%	75%	88%	63%	40%	51%	59%	77%	83%	88%	35%	27%
54	97	189	213	150	90	121	141	191	204	212	77	49
12%	23%	52%	63%	42%	22%	31%	38%	54%	59%	63%	17%	10%

Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Apr-31	May-31	Jun-31	Jul-31	Aug-31
0	0	0	0	0	0	0	0	0	0	0	0	0
457	484	484	444	444	444	444	484	484	484	462	457	457
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
520	547	547	507	507	507	507	547	547	547	525	520	520
56	47	44	47	55	51	48	47	45	44	59	62	56
428	363	338	361	421	388	368	358	345	337	451	475	430
148	232	253	193	140	169	187	236	247	254	133	107	146
40%	74%	86%	61%	38%	50%	58%	76%	82%	87%	34%	26%	39%
92	184	209	146	86	119	139	189	202	210	74	45	90
22%	51%	62%	40%	20%	31%	38%	53%	58%	62%	16%	10%	21%

Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	444	444	444	444	484	484	484	462	457	457	484
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
547	547	507	507	507	507	547	547	547	525	520	520	547
48	44	47	55	51	48	47	45	44	59	62	56	48
365	340	363	424	391	370	360	347	339	454	478	433	367
230	251	191	138	167	185	234	245	252	131	105	143	228
73%	85%	60%	37%	49%	57%	75%	81%	86%	33%	25%	38%	72%
182	207	144	83	116	137	187	200	208	71	42	87	180
50%	61%	39%	20%	30%	37%	52%	57%	61%	16%	9%	20%	49%

Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33
0	0	0	0	0	0	0	0	0	0	0	0	0
484	444	444	444	444	484	484	484	462	457	457	484	484
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
547	507	507	507	507	547	547	547	525	520	520	547	547
45	48	56	51	49	47	46	44	60	63	57	48	45
342	366	427	393	372	362	349	341	456	481	436	369	344
250	189	136	165	183	232	243	251	128	102	141	226	248
84%	60%	37%	48%	57%	74%	80%	85%	32%	24%	37%	71%	83%
205	141	80	114	135	185	198	206	69	39	84	178	203
60%	39%	19%	29%	36%	51%	57%	60%	15%	8%	19%	48%	59%

Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Apr-34	May-34	Jun-34	Jul-34	Aug-34	Sep-34	Oct-34	Nov-34
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	444	444	484	484	484	462	457	457	484	484	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
507	507	507	507	547	547	547	525	520	520	547	547	507
48	56	52	49	47	46	45	60	63	57	48	45	48
368	429	395	374	364	351	343	459	484	438	371	346	370
187	134	163	181	230	242	249	126	99	139	225	247	186
59%	36%	48%	56%	73%	79%	84%	31%	24%	36%	70%	82%	58%
139	78	112	133	183	196	204	66	36	82	176	201	137
38%	18%	28%	35%	50%	56%	60%	14%	7%	19%	48%	58%	37%

Dec-34	Jan-35	Feb-35	Mar-35	Apr-35	May-35	Jun-35	Jul-35	Aug-35	Sep-35	Oct-35	Nov-35	Dec-35
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	444	484	484	484	462	457	457	484	484	444	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
507	507	507	547	547	547	525	520	520	547	547	507	507
56	52	49	48	46	45	60	64	58	49	45	48	57
432	397	377	366	353	345	462	487	441	373	347	372	435
131	161	179	229	240	247	123	96	136	223	245	184	129
35%	47%	55%	72%	78%	83%	31%	23%	36%	69%	81%	57%	34%
75	110	130	181	194	202	63	33	79	174	200	135	72
17%	28%	35%	49%	55%	59%	14%	7%	18%	47%	57%	36%	17%

Jan-36	Feb-36	Mar-36	Apr-36	May-36	Jun-36	Jul-36	Aug-36	Sep-36	Oct-36	Nov-36	Dec-36	Jan-37
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	484	484	484	462	457	457	484	484	444	444	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
507	507	547	547	547	525	520	520	547	547	507	507	507
52	49	48	46	45	61	64	58	49	46	49	57	52
400	379	368	355	346	465	490	444	375	349	374	437	402
159	178	227	238	246	121	94	134	221	243	182	127	157
46%	54%	71%	77%	82%	30%	22%	35%	68%	80%	56%	33%	45%
107	128	179	192	201	60	30	76	172	198	133	70	105
27%	34%	49%	54%	58%	13%	6%	17%	46%	57%	36%	16%	26%



Feb-37	Mar-37	Apr-37	May-37	Jun-37	Jul-37	Aug-37	Sep-37	Oct-37	Nov-37	Dec-37	Jan-38	Feb-38
0	0	0	0	0	0	0	0	0	0	0	0	0
444	484	484	484	462	457	457	484	484	444	444	444	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
507	547	547	547	525	520	520	547	547	507	507	507	507
50	48	47	45	61	64	58	49	46	49	57	53	50
381	370	357	348	468	493	447	377	351	376	440	404	383
176	225	237	244	118	91	132	219	242	180	125	156	174
53%	70%	76%	81%	29%	21%	34%	67%	79%	55%	33%	44%	52%
126	177	190	199	57	27	73	170	196	131	67	103	124
33%	48%	53%	57%	12%	5%	16%	45%	56%	35%	15%	25%	32%

Mar-38	Apr-38	May-38	Jun-38	Jul-38	Aug-38	Sep-38	Oct-38	Nov-38	Dec-38	Jan-39	Feb-39	Mar-39
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	484	462	457	457	484	484	444	444	444	444	484
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
547	547	547	525	520	520	547	547	507	507	507	507	547
49	47	46	61	65	59	49	46	49	58	53	50	49
372	359	350	471	496	449	379	353	378	442	406	385	374
224	235	243	116	88	130	217	240	179	123	154	172	222
69%	75%	80%	28%	21%	33%	66%	78%	54%	32%	44%	52%	68%
175	188	197	54	24	71	168	194	129	65	101	122	173
47%	53%	56%	12%	5%	16%	44%	55%	34%	15%	25%	32%	46%

Apr-39	May-39	Jun-39	Jul-39	Aug-39	Sep-39	Oct-39	Nov-39	Dec-39	Jan-40	Feb-40	Mar-40	Apr-40
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	462	457	457	484	484	444	444	444	444	484	484
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63	63	63	63	63	63
547	547	525	520	520	547	547	507	507	507	507	547	547
47	46	62	65	59	50	46	49	58	53	50	49	47
360	352	473	499	452	381	354	379	445	408	387	376	362
234	241	113	86	127	216	239	177	120	152	171	220	232
75%	79%	28%	20%	32%	65%	78%	54%	31%	43%	51%	67%	74%
187	195	52	21	68	166	193	128	62	99	120	171	185
52%	56%	11%	4%	15%	44%	54%	34%	14%	24%	31%	46%	51%

May-40	Jun-40	Jul-40	Aug-40	Sep-40	Oct-40	Nov-40	Dec-40
0	0	0	0	0	0	0	0
484	462	457	457	484	484	444	444
12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
63	63	63	63	63	63	63	63
547	525	520	520	547	547	507	507
46	62	65	59	50	46	50	58
353	476	502	454	383	356	381	447
240	111	83	125	214	237	175	118
78%	27%	19%	32%	64%	77%	53%	30%
194	49	18	66	164	191	126	60
55%	10%	4%	15%	43%	54%	33%	13%