

Black Hills Energy South Dakota Load and Resources Balance without 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
PEAK DEMAND																						
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
yearly % change	388	389	389	389	391	394	397	398	401	404	407	410	413	415	418	421	424	426	429	432	434	437
		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%
EXISTING RESOURCES																						
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
Total Existing Resources	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457
PROPOSED RESOURCES																						
Seasonal Firm Energy		50	50											25	25	25	25	25	25	25	25	50
Total Proposed Resources	0	50	50	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	50
Total Resources	457	507	507	457	457	457	457	457	457	457	457	457	457	482	482	482	482	482	482	482	482	507
PURCHASE																						
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																						
SD Sun 20 MW Solar Phase 2																						
SD Sun 20 MW Solar Phase 3																						
Total Purchases	103.5	53.5	53.5	53.5	53.5	3.5	3.5	3.5	3.5	3.5	2	0	0	0	0	0	0	0	0	0	0	0
SALES																						
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																	
TOTAL RESOURCES	451	452	450	460	469	461	461	461	461	461	459	457	457	482	482	482	482	482	482	482	482	507
DESIRED PLANNING RESERVE (15%)	65	65	66	64	65	59	60	60	60	61	61	61	62	62	63	63	64	64	64	65	65	65
PEAK PLUS RESERVES	453	454	454	453	456	453	457	458	461	465	468	471	475	478	481	484	487	490	493	496	499	502
CAPACITY EXCESS/(DEFICIT) MW	63	63	62	71	77	66	63	62	59	56	52	47	44	67	64	61	58	56	53	50	48	70
CAPACITY EXCESS/(DEFICIT) %	33%	33%	32%	35%	37%																	
15% Margin CAPACITY EXCESS/(DEFICIT) MW	-2	-2	-4	7	12	7	4	3	-1	-4	-9	-14	-18	4	1	-2	-5	-8	-11	-14	-17	5
15% Margin CAPACITY EXCESS/(DEFICIT) %	-0.6%	-0.7%	-1.2%	2.0%	3.6%	2.1%	1.1%	0.8%	-0.2%	-1.2%	-2.5%	-4.0%	-4.8%	1.2%	0.3%	-0.5%	-1.4%	-2.2%	-3.0%	-3.7%	-4.4%	1.3%

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
PEAK DEMAND									
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
	320	304	295	286	279	369	388	353	300
EXISTING RESOURCES									
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
TOTAL EXISTING BHP CAPACITY	444	444	484	484	484	462	457	457	484
PROPOSED RESOURCES									
Seasonal Firm Energy									
Total Proposed Resources	0	0	0	0	0	0	0	0	0
Total Resources	444	444	484	484	484	462	457	457	484
PURCHASES									
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									
SD Sun 20 MW Solar Phase 2									
SD Sun 20 MW Solar Phase 3									
TOTAL PURCHASES	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
SALES									
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
TOTAL SALES	95.5	90.7	87.2	79.1	80.8	100.5	115.6	109.5	93.5
TOTAL RESOURCES-SALES	452	457	500	508	507	465	445	451	494
DESIRED PLANNING RESERVE (15%)	53	49	48	45	44	61	66	60	49
PEAK PLUS RESERVES	372	353	343	331	323	429	454	413	349
CAPACITY EXCESS/(DEFICIT) MW	132	153	205	223	228	96	57	98	194
CAPACITY EXCESS/(DEFICIT) %	41%	50%	69%	78%	82%	26%	15%	28%	65%
15% Margin CAPACITY EXCESS/(DEFICIT) MW	80	103	157	178	183	36	-9	38	145
15% Margin CAPACITY EXCESS/(DEFICIT) %	21%	29%	46%	54%	57%	8%	-2%	9%	41%
Seasonal Capacity Purchase									

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
281	299	348	321	305	297	287	281	370	389	354	301	282
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										
103.5	103.5	103.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
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
507	458	453	401	406	450	458	456	416	446	402	445	459
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
226	159	105	79	101	153	171	175	46	57	48	144	177
80%	53%	30%	25%	33%	51%	60%	63%	12%	15%	14%	48%	63%
181	110	48	26	51	105	126	131	-15	-9	-12	94	133
56%	32%	12%	7%	14%	30%	38%	40%	-4%	-2%	-3%	27%	41%

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
300	348	321	305	297	287	280	370	389	354	301	282	300
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
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
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
411	404	402	409	452	461	458	414	444	400	443	459	410
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
110	56	81	104	156	174	178	44	55	46	143	177	110
37%	16%	25%	34%	52%	61%	64%	12%	14%	13%	48%	63%	37%
62	-1	28	54	108	129	133	-17	-11	-14	93	132	61
18%	0%	8%	15%	31%	39%	41%	-4%	-2%	-3%	27%	41%	18%

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
348	321	305	297	287	280	370	389	354	301	282	300	348
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
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
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
403	454	458	502	510	508	472	460	462	499	510	462	458
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
55	133	153	205	223	227	102	71	108	198	229	161	110
16%	42%	50%	69%	78%	81%	28%	18%	31%	66%	81%	54%	32%
-2	81	103	157	178	183	42	7	50	149	184	113	53
-1%	22%	29%	46%	54%	56%	10%	1%	12%	43%	56%	32%	13%

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
323	307	298	288	282	372	391	356	302	283	302	350	325
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
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	3.5
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	
456	460	503	512	509	481	469	471	508	520	471	467	448
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
133	153	205	223	227	109	77	115	206	237	169	117	123
41%	50%	69%	77%	81%	29%	20%	32%	68%	84%	56%	34%	38%
80	103	157	178	182	48	12	56	156	192	120	60	74
21%	29%	45%	53%	56%	11%	3%	13%	44%	58%	34%	15%	20%

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
308	300	290	283	375	394	358	305	286	305	354	327	310
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
3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
448	488	488	488	466	461	461	488	488	448	448	448	448
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
139	188	198	204	91	66	102	182	202	143	94	121	137
45%	63%	68%	72%	24%	17%	28%	60%	71%	47%	27%	37%	44%
93	143	154	162	34	7	48	136	159	97	41	72	91
26%	41%	46%	50%	8%	2%	12%	39%	48%	28%	10%	19%	25%

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
302	292	285	378	397	361	307	288	307	356	327	310	302
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
3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
488	488	488	466	461	461	488	488	448	448	448	448	488
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
186	196	203	88	63	99	180	200	141	91	120	137	186
61%	67%	71%	23%	16%	28%	59%	70%	46%	26%	37%	44%	62%
140	152	160	31	4	45	134	157	95	38	71	91	140
40%	45%	49%	7%	1%	11%	38%	47%	27%	9%	19%	25%	40%

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
292	285	378	398	362	307	287	307	357	329	312	304	293
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
3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
488	488	466	461	461	488	488	448	448	448	448	488	488
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
196	203	87	62	99	180	200	141	91	118	135	184	194
67%	71%	23%	16%	27%	59%	70%	46%	25%	36%	43%	60%	66%
152	160	30	3	45	134	157	95	37	69	88	138	150
45%	49%	7%	1%	11%	38%	48%	27%	9%	18%	25%	40%	45%

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
287	381	401	364	309	289	309	359	331	314	306	295	288
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
3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
488	466	461	461	488	488	448	448	448	448	488	488	488
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
201	84	59	96	178	198	139	88	116	133	182	192	199
70%	22%	15%	26%	58%	69%	45%	25%	35%	42%	59%	65%	69%
158	27	-1	42	132	155	93	34	66	86	136	148	156
48%	6%	0%	10%	37%	47%	26%	8%	17%	24%	39%	44%	47%

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
384	404	367	311	291	310	362	334	316	308	297	290	387
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
3.5	3.5	3.5	3.5	3.5	3.5	3.5	2	2	2	2	2	2
466	461	461	488	488	448	448	446	446	486	486	486	464
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
82	56	94	176	197	137	86	112	130	178	189	196	77
21%	14%	26%	57%	68%	44%	24%	34%	41%	58%	64%	68%	20%
24	-4	39	129	153	90	32	62	82	132	145	153	19
5%	-1%	9%	36%	46%	25%	8%	16%	23%	37%	42%	46%	4%

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
407	369	313	293	312	364	336	318	309	299	292	389	410
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	0	0	0	0	0	0	0
459	459	486	486	446	446	444	444	484	484	484	462	457
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
52	90	173	193	134	82	108	126	175	185	192	73	47
13%	24%	55%	66%	43%	22%	32%	39%	56%	62%	66%	19%	11%
-9	34	126	150	87	27	58	78	128	141	149	14	-14
-2%	8%	35%	44%	24%	7%	15%	21%	36%	41%	44%	3%	-3%

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
372	315	294	314	367	338	320	311	300	293	392	413	374
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
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
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
85	169	190	130	77	106	124	173	184	191	70	44	83
23%	54%	65%	41%	21%	31%	39%	55%	61%	65%	18%	11%	22%
29	121	146	83	23	56	76	126	139	147	11	-18	27
7%	34%	43%	23%	5%	14%	21%	35%	40%	44%	3%	-4%	6%

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
317	296	316	369	340	322	313	302	295	394	415	377	319
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
										25		
0	0	0	0	0	0	0	0	0	0	25	0	0
484	484	444	444	444	444	484	484	484	462	482	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	482	457	484
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
167	188	128	75	104	122	171	182	189	68	67	80	165
53%	64%	40%	20%	31%	38%	55%	60%	64%	17%	16%	21%	52%
119	144	81	20	53	74	124	137	145	8	4	24	117
33%	42%	22%	5%	14%	20%	34%	39%	43%	2%	1%	6%	32%

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
297	318	371	342	324	315	304	296	397	418	379	321	299
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	25	0	0	0
484	444	444	444	444	484	484	484	462	482	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	482	457	484	484
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
187	126	73	102	120	169	180	188	65	64	78	163	185
63%	40%	20%	30%	37%	54%	59%	63%	16%	15%	21%	51%	62%
142	78	17	51	72	122	135	143	6	1	21	115	140
42%	21%	4%	13%	19%	34%	39%	42%	1%	0%	5%	31%	41%

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
320	373	344	326	317	305	298	399	421	381	322	300	321
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
								25				
0	0	0	0	0	0	0	0	25	0	0	0	0
444	444	444	444	484	484	484	462	482	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	482	457	484	484	444
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
124	71	100	118	167	179	186	63	61	76	162	184	123
39%	19%	29%	36%	53%	59%	62%	16%	15%	20%	50%	61%	38%
76	15	49	70	120	133	141	3	-2	19	113	138	74
21%	3%	12%	19%	33%	38%	41%	1%	0%	4%	31%	40%	20%

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
376	346	328	318	307	300	402	424	384	324	302	323	378
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
							25					
0	0	0	0	0	0	0	25	0	0	0	0	0
444	444	444	484	484	484	462	482	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	482	457	484	484	444	444
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
68	98	116	166	177	184	60	58	73	160	182	121	66
18%	28%	36%	52%	58%	62%	15%	14%	19%	49%	60%	37%	18%
12	47	67	118	131	139	0	-5	16	111	137	72	9
3%	12%	18%	32%	37%	40%	0%	-1%	4%	30%	39%	19%	2%

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
348	329	320	309	301	404	426	386	326	304	325	380	350
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
0	0	0	0	0	0	0	0	0	0	0	0	0
444	444	484	484	484	462	482	457	484	484	444	444	444
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
96	115	164	175	183	58	56	71	158	180	119	64	94
28%	35%	51%	57%	61%	14%	13%	18%	48%	59%	37%	17%	27%
44	65	116	129	138	-3	-8	13	109	135	70	7	42
11%	17%	31%	36%	40%	-1%	-2%	3%	29%	39%	19%	2%	10%

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
331	322	310	303	407	429	388	328	305	327	382	351	333
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
0	0	0	0	0	0	0	0	0	0	0	0	0
444	484	484	484	462	482	457	484	484	444	444	444	444
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
113	162	174	181	55	53	69	156	179	117	62	93	111
34%	50%	56%	60%	14%	12%	18%	48%	59%	36%	16%	26%	33%
63	114	127	136	-6	-11	10	107	133	68	4	40	61
17%	31%	36%	39%	-1%	-2%	2%	28%	38%	18%	1%	10%	16%

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
323	312	304	409	432	390	330	307	328	384	353	335	325
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
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	484	462	482	457	484	484	444	444	444	444	484
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
161	172	180	53	50	67	154	177	116	60	91	109	159
50%	55%	59%	13%	12%	17%	47%	58%	35%	15%	26%	33%	49%
112	125	134	-9	-14	8	105	131	66	2	38	59	110
30%	35%	38%	-2%	-3%	2%	28%	37%	18%	0%	9%	15%	29%

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
313	306	412	434	393	331	308	330	387	355	336	327	315
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
0	0	0	0	0	0	0	0	0	0	0	0	0
484	484	462	482	457	484	484	444	444	444	444	484	484
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
171	178	50	48	64	153	176	114	57	89	108	157	169
54%	58%	12%	11%	16%	46%	57%	35%	15%	25%	32%	48%	54%
124	132	-11	-17	5	103	130	65	-1	36	57	108	122
34%	38%	-2%	-3%	1%	27%	37%	17%	0%	9%	15%	29%	34%

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
307	414	437	395	333	310	332	389
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
		50					
0	0	50	0	0	0	0	0
484	462	507	457	484	484	444	444
0	0	0	0	0	0	0	0
484	462	507	457	484	484	444	444
46	62	65	59	50	46	50	58
353	476	502	454	383	356	381	447
177	48	70	62	151	174	112	55
58%	12%	16%	16%	45%	56%	34%	14%
131	-14	5	3	101	128	63	-3
37%	-3%	1%	1%	26%	36%	16%	-1%

Black Hills Energy South Dakota Load and Resources Balance with 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
PEAK DEMAND																						
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%
EXISTING RESOURCES																						
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
Total Existing Resources	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457
PROPOSED RESOURCES																						
Seasonal Firm Energy		50																				
Total Proposed Resources	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Resources	457	507	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457
PURCHASE																						
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																						
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
Total Purchases	103.5	53.5	103.9	103.9	103.9	53.9	53.9	53.9	53.9	53.9	52.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
SALES																						
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																	
TOTAL RESOURCES	451	452	450	510	519	511	511	511	511	511	509	507	507	507	507	507	507	507	507	507	507	507
DESIRED PLANNING RESERVE (15%)	65	65	66	64	65	59	60	60	60	61	61	61	62	62	63	63	64	64	64	65	65	65
PEAK PLUS RESERVES	453	454	454	453	456	453	457	458	461	465	468	471	475	478	481	484	487	490	493	496	499	502
CAPACITY EXCESS/(DEFICIT) MW	63	63	62	122	128	117	114	113	110	107	102	97	95	92	89	87	84	81	78	76	73	71
CAPACITY EXCESS/(DEFICIT) %	33%	33%	32%	50%	51%																	
15% Margin CAPACITY EXCESS/(DEFICIT) MW	-2	-2	-4	57	63	58	54	53	50	46	41	36	33	30	27	23	20	17	14	11	8	5
15% Margin CAPACITY EXCESS/(DEFICIT) %	-0.6%	-0.7%	-1.1%	16.8%	18.3%	16.7%	15.5%	15.1%	14.0%	13.0%	11.5%	9.9%	9.0%	8.1%	7.2%	6.3%	5.4%	4.5%	3.7%	2.9%	2.1%	1.4%

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
PROPOSED RESOURCES									
Seasonal Firm Energy									
Total Proposed Resources	0	0	0	0	0	0	0	0	0
Total Resources	444	444	484	484	484	462	457	457	484
PURCHASES									
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									
SD Sun 20 MW Solar Phase 2									
SD Sun 20 MW Solar Phase 3									
Fall River 80 MW Solar (1/1/2021)									
TOTAL PURCHASES	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
SALES									
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
TOTAL SALES	95.5	90.7	87.2	79.1	80.8	100.5	115.6	109.5	93.5
TOTAL RESOURCES-SALES	452	457	500	508	507	465	445	451	494
DESIRED PLANNING RESERVE (15%)	53	49	48	45	44	61	66	60	49
PEAK PLUS RESERVES	372	353	343	331	323	429	454	413	349
CAPACITY EXCESS/(DEFICIT) MW	132	153	205	223	228	96	57	98	194
CAPACITY EXCESS/(DEFICIT) %	41%	50%	69%	78%	82%	26%	15%	28%	65%
15% Margin CAPACITY EXCESS/(DEFICIT) MW	80	103	157	178	183	36	-9	38	145
15% Margin CAPACITY EXCESS/(DEFICIT) %	21%	29%	46%	54%	57%	8%	-2%	9%	41%
Seasonal Capacity Purchase									

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										
103.5	103.5	103.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
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
507	458	453	401	406	450	458	456	416	446	402	445	459
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
226	159	105	79	101	153	171	175	46	57	48	144	177
80%	53%	30%	25%	33%	51%	60%	63%	12%	15%	14%	48%	63%
181	110	48	26	51	105	126	131	-15	-9	-12	94	133
56%	32%	12%	7%	14%	30%	38%	40%	-4%	-2%	-3%	27%	41%

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
		50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
53.5	53.5	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9
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
411	404	452	459	503	511	509	465	444	450	494	509	460
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
110	56	132	154	206	224	228	95	56	97	193	228	160
37%	16%	41%	51%	69%	78%	82%	26%	14%	27%	64%	81%	53%
62	-1	79	105	158	179	184	33	-11	36	143	183	112
18%	0%	21%	29%	46%	54%	57%	8%	-2%	9%	41%	56%	32%

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
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
103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9
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
453	505	509	552	561	558	522	510	513	549	561	512	508
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
105	184	204	255	274	278	152	122	159	249	279	212	160
30%	57%	67%	86%	95%	99%	41%	31%	45%	83%	99%	71%	46%
48	131	154	207	228	233	92	57	100	199	234	163	104
12%	35%	43%	60%	69%	72%	21%	13%	24%	57%	72%	47%	26%

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
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
103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	53.9
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	
506	510	554	562	559	531	519	522	559	570	521	518	498
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
183	203	255	274	278	159	128	166	256	287	220	168	173
57%	66%	86%	95%	99%	43%	33%	47%	85%	101%	73%	48%	53%
130	153	207	228	233	98	63	106	206	242	171	111	125
35%	43%	60%	68%	71%	23%	14%	26%	59%	74%	49%	27%	33%

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 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2
50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9	50.4 53.9
498	538	538	538	516	511	511	538	538	498	498	498	498
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
190 62%	238 79%	248 86%	255 90%	141 38%	117 30%	153 43%	233 76%	252 88%	193 63%	144 41%	171 52%	188 60%
143 40%	193 56%	205 61%	212 65%	85 20%	58 13%	99 24%	187 53%	209 64%	148 42%	91 22%	122 32%	141 40%

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 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2
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
53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
538	538	538	516	511	511	538	538	498	498	498	498	538
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
236 78%	246 84%	253 89%	138 37%	114 29%	150 42%	231 75%	250 87%	191 62%	142 40%	171 52%	187 60%	236 78%
191 55%	202 60%	210 64%	82 19%	54 12%	96 23%	184 52%	207 63%	145 41%	88 22%	122 32%	141 39%	191 55%

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
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
53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
538	538	516	511	511	538	538	498	498	498	498	538	538
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
246	253	137	113	149	230	251	191	141	169	185	234	245
85%	89%	36%	28%	41%	75%	87%	62%	40%	51%	59%	77%	83%
203	210	81	53	95	184	207	145	88	119	139	189	201
60%	64%	19%	12%	23%	52%	63%	41%	21%	32%	39%	54%	59%

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 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2	1.5 2
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
53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
538	516	511	511	538	538	498	498	498	498	538	538	538
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
251 88%	135 35%	110 27%	147 40%	228 74%	249 86%	189 61%	139 39%	167 50%	183 58%	232 76%	243 82%	250 87%
208 63%	77 18%	50 11%	92 22%	182 51%	205 62%	143 40%	85 21%	117 31%	136 38%	186 53%	198 58%	206 62%

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						
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
53.9	53.9	53.9	53.9	53.9	53.9	53.9	52.4	52.4	52.4	52.4	52.4	52.4
516	511	511	538	538	498	498	496	496	536	536	536	514
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
132	107	144	227	247	187	136	163	180	229	239	246	128
34%	26%	39%	73%	85%	60%	38%	49%	57%	74%	81%	85%	33%
74	46	89	180	203	141	82	113	133	183	195	203	70
17%	10%	21%	50%	61%	39%	20%	29%	36%	52%	57%	61%	16%

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							
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
52.4	52.4	52.4	52.4	52.4	52.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
509	509	536	536	496	496	494	494	534	534	534	512	507
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
102	140	223	244	184	132	159	176	225	236	243	123	97
25%	38%	71%	83%	59%	36%	47%	55%	73%	79%	83%	32%	24%
41	85	176	200	137	78	108	128	178	191	199	65	36
9%	20%	49%	59%	38%	19%	28%	35%	50%	56%	59%	14%	8%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
507	534	534	494	494	494	494	534	534	534	512	507	507
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
136	219	240	180	128	157	174	223	234	241	120	95	133
36%	70%	82%	57%	35%	46%	54%	72%	78%	82%	31%	23%	36%
80	172	196	133	73	106	126	176	189	197	62	33	77
19%	47%	58%	37%	17%	27%	34%	49%	55%	58%	14%	7%	18%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
534	534	494	494	494	494	534	534	534	512	507	507	534
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
217	239	178	126	155	172	221	232	240	118	92	131	216
69%	81%	56%	34%	46%	54%	71%	77%	81%	30%	22%	35%	68%
170	194	131	70	104	124	174	187	195	59	30	74	168
47%	57%	36%	17%	27%	34%	48%	54%	58%	13%	6%	17%	46%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
534	494	494	494	494	534	534	534	512	507	507	534	534
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
237	177	123	153	171	220	231	238	116	89	129	214	235
80%	56%	33%	45%	53%	70%	76%	80%	29%	21%	34%	67%	79%
192	129	68	102	122	172	185	193	56	27	72	166	191
56%	35%	16%	26%	33%	48%	53%	57%	12%	6%	16%	45%	55%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
494	494	494	494	534	534	534	512	507	507	534	534	494
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
175	121	151	169	218	229	236	113	87	126	212	234	173
55%	32%	44%	52%	69%	75%	79%	28%	21%	33%	66%	78%	54%
127	65	99	120	170	183	192	53	23	69	164	189	125
35%	15%	25%	32%	47%	52%	56%	12%	5%	16%	44%	55%	34%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
494	494	494	534	534	534	512	507	507	534	534	494	494
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
119	149	167	216	227	235	110	84	124	210	232	171	117
32%	43%	51%	68%	74%	78%	27%	20%	32%	65%	77%	53%	31%
63	97	118	168	181	190	50	20	66	161	187	123	60
14%	24%	31%	46%	51%	55%	11%	4%	15%	43%	54%	33%	14%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
494	494	534	534	534	512	507	507	534	534	494	494	494
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
147	165	214	226	233	108	81	121	208	231	169	114	145
42%	50%	67%	73%	77%	27%	19%	31%	64%	76%	52%	30%	41%
95	116	166	179	188	47	17	64	159	185	121	57	92
24%	31%	45%	51%	54%	10%	3%	14%	43%	53%	32%	13%	23%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
494	534	534	534	512	507	507	534	534	494	494	494	494
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
163	213	224	232	106	78	119	207	229	168	112	143	162
49%	66%	72%	76%	26%	18%	31%	63%	75%	51%	29%	41%	49%
114	164	178	186	44	14	61	157	183	119	55	90	112
30%	44%	50%	53%	10%	3%	14%	42%	52%	32%	12%	22%	29%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
534	534	534	512	507	507	534	534	494	494	494	494	534
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
211	223	230	103	76	117	205	228	166	110	141	160	209
65%	71%	76%	25%	18%	30%	62%	74%	51%	29%	40%	48%	64%
162	176	184	42	11	58	155	182	117	52	88	110	161
44%	49%	53%	9%	2%	13%	41%	52%	31%	12%	22%	29%	43%

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
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	50.4	50.4	50.4	50.4	50.4	50.4
534	534	512	507	507	534	534	494	494	494	494	534	534
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
221	229	101	73	115	203	226	164	108	139	158	208	220
71%	75%	24%	17%	29%	61%	73%	50%	28%	39%	47%	64%	70%
174	183	39	8	56	154	180	115	50	86	108	159	172
48%	52%	8%	2%	12%	40%	51%	30%	11%	21%	28%	42%	48%

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
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
534	512	507	507	534	534	494	494
46	62	65	59	50	46	50	58
353	476	502	454	383	356	381	447
227	98	71	113	202	225	163	106
74%	24%	16%	28%	61%	73%	49%	27%
181	36	5	53	152	178	113	47
51%	8%	1%	12%	40%	50%	30%	11%