Aurora Results Update

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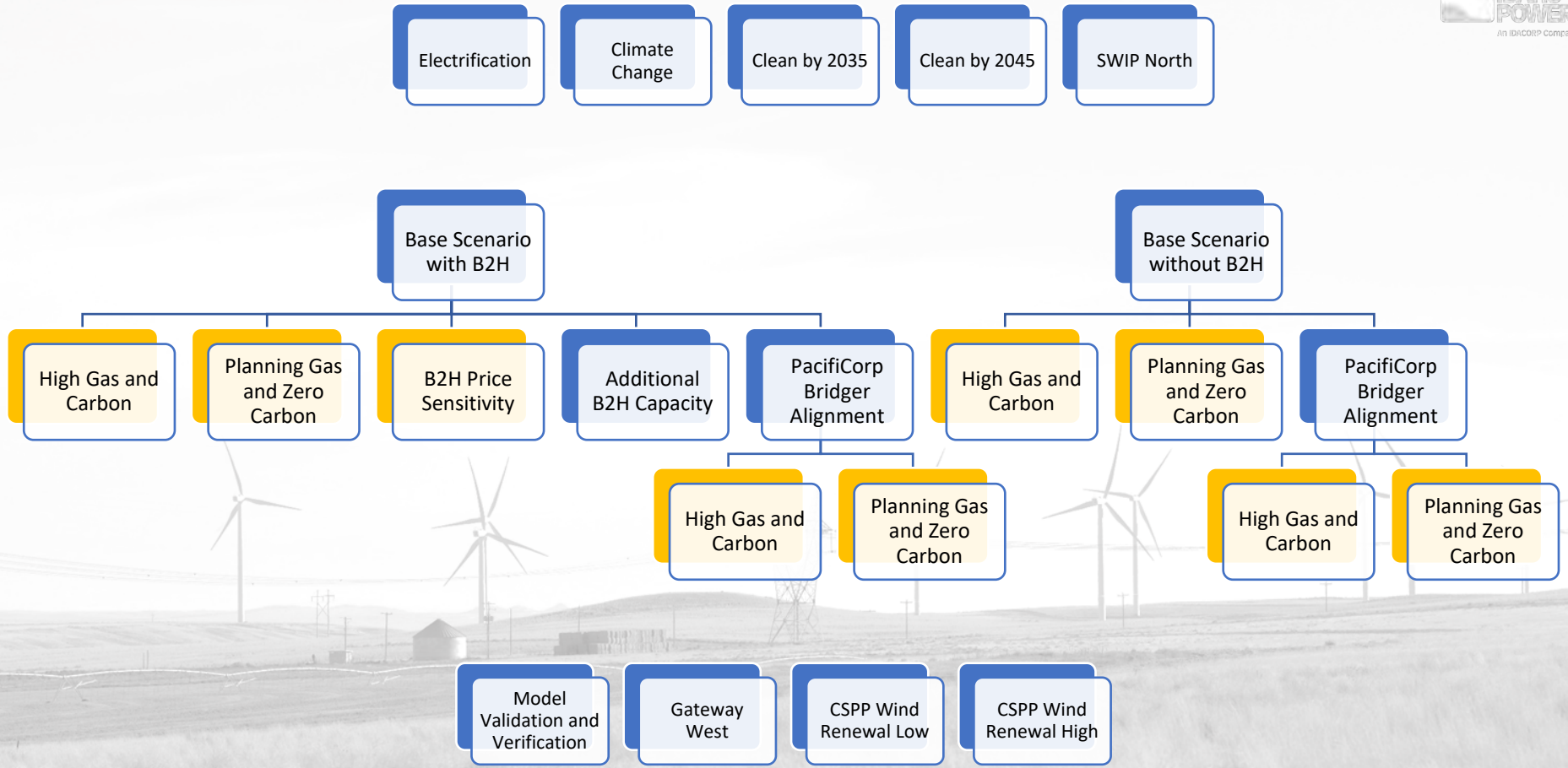
Jared Hansen

IDAHO POWER
An IDACORP Company



Color Key

- Long-Term Capacity Expansion (LTCE) Run
- Production run sensitivity

Base Scenario with B2H

MW	Base B2H								
	Gas	Wind	Solar	Storage	Transmission	DR	Coal Exit	EE Forecast	EE Bundles
2021	0	0	0	0	0	0	0	23	0
2022	0	0	0	0	0	300	0	24	0
2023	0	0	120	115	0	20	-357	24	0
2024	357	700	0	0	0	20	0	25	0
2025	0	0	300	105	0	0	-308	27	0
2026	0	0	215	5	500	0	0	28	0
2027	0	0	250	5	0	0	0	27	0
2028	0	0	120	55	0	0	-175	27	0
2029	0	0	100	250	0	0	0	26	0
2030	0	300	0	55	0	0	0	24	0
2031	0	100	0	5	GWW	0	0	24	0
2032	0	0	0	100	0	0	0	23	0
2033	0	0	0	205	0	0	0	22	0
2034	-357	0	0	5	0	0	0	21	0
2035	0	0	100	305	0	0	0	20	0
2036	0	0	0	100	0	0	0	16	8
2037	0	0	0	50	0	0	0	14	6
2038	0	0	100	155	0	20	0	12	6
2039	0	0	0	55	0	20	0	11	6
2040	0	0	0	55	0	40	0	10	6
Nameplate	0	1,100	1,305	1,625	500	420	-841	428	32
Total Additions	**4,569**								

PRELIMINARY

B2H, PAC Alignment

MW	B2H, PAC Alignment								
	Gas	Wind	Solar	Storage	Transmission	DR	Coal Exit	EE Forecast	EE
2021	0	0	0	0	0	0	0	23	0
2022	0	0	0	0	0	300	0	24	0
2023	0	0	120	115	0	20	-357	24	0
2024	357	700	0	5	0	0	0	25	0
2025	0	0	300	100	0	20	-134	27	0
2026	0	0	215	0	500	0	0	28	0
2027	0	0	250	0	0	0	0	27	0
2028	0	0	120	5	0	0	0	27	0
2029	0	0	0	5	0	0	0	26	0
2030	0	0	0	5	0	0	0	24	0
2031	0	0	0	205	0	0	0	24	0
2032	0	0	0	5	0	0	0	23	0
2033	0	0	0	155	0	0	0	22	0
2034	-357	0	100	305	0	0	-349	21	0
2035	0	400	100	305	GWW	0	0	20	0
2036	0	0	0	55	0	0	0	16	0
2037	0	0	0	100	0	0	0	14	0
2038	0	0	0	155	0	20	0	12	6
2039	0	0	0	55	0	20	0	11	0
2040	0	0	0	55	0	20	0	10	9
Nameplate	0	1,100	1,205	1,630	500	400	-840	428	15
Total Additions	**4,438**								

PRELIMINARY

Additional B2H Capacity

MW	Additional B2H Capacity								
	Gas	Wind	Solar	Storage	Transmission	DR	Coal Exit	EE Forecast	EE
2021	0	0	0	0	0	0	0	23	0
2022	0	0	0	0	0	300	0	24	0
2023	0	0	120	115	0	20	-357	24	0
2024	357	700	0	0	0	20	0	25	0
2025	0	0	300	105	0	0	-308	27	0
2026	0	0	215	5	550	0	0	28	0
2027	0	0	250	5	0	0	0	27	0
2028	0	0	120	5	0	0	-175	27	0
2029	0	0	100	250	0	0	0	26	0
2030	0	300	0	55	0	0	0	24	0
2031	0	100	0	5	GWW	0	0	24	0
2032	0	0	0	100	0	0	0	23	0
2033	0	0	0	205	0	0	0	22	0
2034	-357	0	0	5	0	0	0	21	0
2035	0	0	100	305	0	0	0	20	0
2036	0	0	0	100	0	0	0	16	8
2037	0	0	0	50	0	0	0	14	6
2038	0	0	100	155	0	20	0	12	6
2039	0	0	0	55	0	20	0	11	6
2040	0	0	0	55	0	40	0	10	6
Nameplate	0	1,100	1,305	1,575	550	420	-841	428	32
Total Additions	**4,569**								

PRELIMINARY

Base Scenario without B2H

MW	Base No B2H								
	Gas	Wind	Solar	Storage	Transmission	DR	Coal Exit	EE Forecast	EE
2021	0	0	0	0	0	0	0	23	0
2022	0	0	0	0	0	300	0	24	0
2023	0	0	120	115	0	20	-357	24	0
2024	357	800	0	5	0	0	0	25	0
2025	0	0	400	205	0	0	-134	27	0
2026	0	100	215	150	GWW	0	0	28	0
2027	0	0	250	55	0	20	0	27	0
2028	0	0	220	105	0	0	-175	27	0
2029	0	200	100	205	0	0	0	26	0
2030	0	0	100	105	0	0	-174	24	0
2031	0	0	0	205	0	0	0	24	0
2032	0	100	100	105	0	0	0	23	0
2033	0	0	0	5	0	0	0	22	0
2034	-357	0	0	55	0	0	0	21	0
2035	0	0	100	405	0	20	0	20	0
2036	0	0	0	105	0	0	0	16	0
2037	0	0	0	55	0	0	0	14	0
2038	0	0	0	155	0	0	0	12	3
2039	0	0	0	55	0	20	0	11	6
2040	0	0	0	55	0	40	0	10	6
Nameplate	0	1,200	1,605	2,145	0	420	-841	428	15
Total Additions	**4,972**								

PRELIMINARY

No B2H, PAC Alignment

MW	No B2H, PAC Alignment								
	Gas	Wind	Solar	Storage	Transmission	DR	Coal Exit	EE Forecast	EE
2021	0	0	0	0	0	0	0	23	0
2022	0	0	0	0	0	300	0	24	0
2023	0	0	120	115	0	20	-357	24	0
2024	357	900	0	5	0	0	0	25	0
2025	0	0	400	205	0	0	-134	27	0
2026	0	0	315	105	0	20	0	28	0
2027	0	200	250	55	0	20	0	27	0
2028	0	0	120	105	0	20	0	27	0
2029	0	100	0	50	0	0	0	26	0
2030	0	100	0	55	0	0	0	24	0
2031	0	0	0	55	0	0	0	24	0
2032	0	0	0	55	0	0	0	23	0
2033	0	0	0	100	0	0	0	22	4
2034	-357	0	100	250	0	0	-349	21	0
2035	0	0	300	550	0	0	0	20	8
2036	0	0	0	55	0	0	0	16	0
2037	0	0	100	105	0	0	0	14	6
2038	0	0	100	155	0	0	0	12	6
2039	0	0	0	50	0	40	0	11	0
2040	0	300	100	5	0	20	0	10	6
Nameplate	0	1,600	1,905	2,075	0	440	-840	428	30
Total Additions	**5,638**								

PRELIMINARY

Rapid Electrification

MW	Rapid Electrification								
	Gas	Wind	Solar	Storage	Transmission	DR	Coal Exit	EE Forecast	EE
2021	0	0	0	0	0	0	0	23	0
2022	0	0	0	0	0	300	0	24	0
2023	0	0	120	115	0	20	-357	24	14
2024	357	800	0	5	0	0	0	25	0
2025	0	0	300	105	0	0	-308	27	0
2026	0	0	215	5	500	0	0	28	0
2027	0	0	250	5	0	0	0	27	0
2028	0	0	120	105	0	0	-175	27	0
2029	0	0	200	205	0	0	0	26	0
2030	0	200	0	55	GWW	0	0	24	0
2031	0	0	0	200	0	0	0	24	0
2032	0	100	0	0	0	0	0	23	0
2033	0	100	0	5	0	0	0	22	0
2034	-357	0	100	300	0	0	0	21	0
2035	0	0	100	200	0	0	0	20	0
2036	0	0	0	100	0	0	0	16	0
2037	0	0	0	100	0	20	0	14	0
2038	0	300	100	155	0	20	0	12	6
2039	0	100	0	55	0	20	0	11	3
2040	0	100	0	5	0	40	0	10	6
Nameplate	0	1,700	1,505	1,720	500	420	-841	428	29
Total Additions	**5,462**								

PRELIMINARY

No B2H, No Gateway West

MW	No B2H No Gateway West							
	Gas	Wind	Solar	Storage	DR	Coal Exit	EE Forecast	EE
2021	0	0	0	0	0	0	23	0
2022	0	0	0	0	300	0	24	0
2023	0	0	120	115	20	-357	24	0
2024	357	400	0	50	0	0	25	0
2025	0	0	200	120	20	-134	27	0
2026	0	200	215	220	20	0	28	0
2027	0	0	250	70	20	0	27	0
2028	0	0	120	120	0	0	27	0
2029	0	200	0	20	0	-174	26	0
2030	0	0	0	305	0	0	24	0
2031	0	0	0	10	0	-175	24	0
2032	0	0	0	315	0	0	23	0
2033	0	0	0	10	0	0	22	0
2034	-357	0	0	160	0	0	21	0
2035	0	0	0	310	0	0	20	0
2036	0	0	0	60	0	0	16	0
2037	0	0	0	110	0	0	14	0
2038	0	0	0	220	0	0	12	0
2039	0	0	0	70	0	0	11	3
2040	0	0	0	170	0	0	10	6
Nameplate	0	800	905	2,455	380	-841	428	9
Total Additions	**4,136**							

PRELIMINARY

Portfolio Costs

Portfolio (X $1,000)	Planning Gas Planning Carbon	Planning Gas Zero Carbon	High Gas High Carbon
Base B2H	7,366,569	6,780,749	8,955,685
Base B2H PAC Alignment	7,464,539	-	-
No B2H	7,542,060	7,058,343	8,876,859
No B2H PAC Alignment	-	-	-
No B2H, No GWW	7,755,610	-	-

PRELIMINARY