

CO2 (\$/ST)	0	0	0	0	0	0
Fuel	LGLC	LGHR	MGMC	HGLR	HGHC	HGH2

	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>
Brown.3	2027	2027	2029	2027	2028	2027
Ghent.1	2030	2030	2035	2034	2034	2030
Ghent.2	2027	2027	2027	2028	2028	2027
Ghent.3	2030	2030	2035	2036	2034	2030
Ghent.4	2031	2030	2036	2038	2038	2030
Mill.Creek.2	2027	2027	2028	2028	2028	2027
Mill.Creek.3	2030	2030	2030	2031	2031	2030
Mill.Creek.4	2030	2030	2030	2039	2031	2032
Trimble.County.1	2032	2030	2042	2042	2042	2033
Trimble.County.2	2042	2042	2042	2042	2042	2037

	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>
<u>2020s</u>						
# Units Expansion NGCC	0.0	0.0	0.0	0.0	0.0	0.0
# Units Expansion NGCC_CCS	2.0	2.0	2.0	1.0	2.0	2.0
# Units Expansion SCCT	0.0	0.0	0.0	2.0	0.0	0.0
MW Expansion Solar	0	0	45	2,679	2,718	4,198
MW Expansion_Wind	0	0	0	0	0	0
MW Expansion Storage	0	0	0	227	0	0

<u>By 2030</u>						
Expansion NGCC	0	0	0	0	0	1
Expansion NGCC_CCS	5	6	3	1	2	2
Total NGCC/_CCS by 2030	5	6	3	1	2	3

<u>2030s</u>						
# Units Expansion NGCC	0.0	0.0	1.0	1.0	1.0	1.0
# Units Expansion NGCC_CCS	3.0	4.0	1.0	1.0	0.0	1.0
# Units Expansion SCCT	2.0	0.0	2.0	2.0	4.0	4.0
MW Expansion Solar	0	0	2,889	2,656	2,342	684
MW Expansion_Wind	5	0	161	862	1,468	2,405
MW Expansion Storage	83	0	380	0	0	0

<u>2040s - 2050</u>						
# Units Expansion NGCC	1.0	1.0	2.0	1.0	1.0	0.0
# Units Expansion NGCC_CCS	0.0	0.0	0.0	0.0	0.0	0.0
# Units Expansion SCCT	0.0	0.0	0.0	0.0	2.0	0.0
MW Expansion Solar	5,508	5,450	4,203	2,206	1,814	2,284
MW Expansion_Wind	287	212	0	1,593	1,930	600
MW Expansion Storage	42	8	0	0	0	8

<u>Total</u>						
# Units Expansion NGCC	1.0	1.0	3.0	2.0	2.0	1.0
# Units Expansion NGCC_CCS	5.0	6.0	3.0	2.0	2.0	3.0
# Units Expansion SCCT	2.0	0.0	2.0	4.0	6.0	4.0
MW Expansion Solar	5,508	5,450	7,136	7,541	6,874	7,166
MW Expansion_Wind	293	212	161	2,455	3,397	3,006
MW Expansion Storage	125	8	380	227	0	8

CO2 (\$/ST)	15	15	15	15	15	15
Fuel	LGLC	LGHR	MGMC	HGLR	HGHC	HGH2

	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>
Brown.3	2027	2027	2027	2027	2028	2027
Ghent.1	2030	2030	2030	2030	2030	2030
Ghent.2	2027	2027	2027	2028	2028	2027
Ghent.3	2030	2030	2030	2030	2030	2030
Ghent.4	2030	2030	2030	2030	2030	2030
Mill.Creek.2	2027	2027	2027	2028	2028	2027
Mill.Creek.3	2030	2030	2030	2031	2030	2030
Mill.Creek.4	2030	2030	2030	2032	2032	2031
Trimble.County.1	2030	2030	2030	2034	2035	2032
Trimble.County.2	2030	2030	2042	2037	2042	2037

	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>
<u>2020s</u>						
# Units	Expansion NGCC	0.0	0.0	0.0	1.0	0.0
# Units	Expansion NGCC_CCS	2.0	2.0	2.0	0.0	2.0
# Units	Expansion SCCT	0.0	0.0	0.0	2.0	0.0
MW	Expansion Solar	0	0	0	2,411	2,718
MW	Expansion_Wind	0	0	0	306	0
MW	Expansion Storage	0	0	0	113	0

<u>By 2030</u>						
	Expansion NGCC	2	2	3	1	1
	Expansion NGCC_CCS	5	5	2	1	2
	Total NGCC/_CCS by 2030	7	7	5	2	3

<u>2030s</u>						
# Units	Expansion NGCC	2.0	2.0	3.0	0.0	1.0
# Units	Expansion NGCC_CCS	3.0	3.0	0.0	2.0	0.0
# Units	Expansion SCCT	0.0	0.0	2.0	4.0	6.0
MW	Expansion Solar	0	0	4,349	3,337	2,770
MW	Expansion_Wind	0	0	5	2,191	1,439
MW	Expansion Storage	0	0	83	0	0

<u>2040s - 2050</u>						
# Units	Expansion NGCC	0.0	0.0	0.0	1.0	1.0
# Units	Expansion NGCC_CCS	0.0	0.0	0.0	0.0	0.0
# Units	Expansion SCCT	0.0	0.0	2.0	0.0	0.0
MW	Expansion Solar	6,219	6,219	2,669	1,526	1,518
MW	Expansion_Wind	212	212	683	600	1,958
MW	Expansion Storage	8	8	41	0	0

<u>Total</u>						
# Units	Expansion NGCC	2.0	2.0	3.0	2.0	2.0
# Units	Expansion NGCC_CCS	5.0	5.0	2.0	2.0	2.0
# Units	Expansion SCCT	0.0	0.0	4.0	6.0	6.0
MW	Expansion Solar	6,219	6,219	7,018	7,274	7,006
MW	Expansion_Wind	212	212	689	3,097	3,397
MW	Expansion Storage	8	8	124	113	0

CO2 (\$/ST)	25	25	25	25	25	25
Fuel	LGLC	LGHR	MGMC	HGLR	HGHC	HGH2

	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>	<u>Retire Year</u>
Brown.3	2027	2027	2027	2027	2027	2027
Ghent.1	2030	2030	2030	2030	2030	2030
Ghent.2	2027	2027	2028	2028	2028	2027
Ghent.3	2030	2030	2030	2030	2030	2030
Ghent.4	2030	2030	2030	2030	2030	2030
Mill.Creek.2	2027	2027	2027	2028	2028	2027
Mill.Creek.3	2030	2030	2030	2030	2030	2030
Mill.Creek.4	2030	2030	2033	2030	2031	2031
Trimble.County.1	2030	2030	2030	2032	2032	2032
Trimble.County.2	2030	2030	2031	2042	2042	2037

	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>
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2020s

# Units	Expansion NGCC	0.0	0.0	0.0	0.0	0.0	0.0
# Units	Expansion NGCC_CCS	2.0	2.0	1.0	1.0	2.0	3.0
# Units	Expansion SCCT	0.0	0.0	2.0	2.0	0.0	0.0
MW	Expansion Solar	0	0	644	2,227	2,317	3,822
MW	Expansion_Wind	0	0	0	606	606	0
MW	Expansion Storage	0	0	0	0	0	0

By 2030

Expansion NGCC	3	3	3	1	1	1
Expansion NGCC_CCS	4	4	1	2	2	3
Total NGCC/_CCS by 2030	7	7	4	3	3	4

2030s

# Units	Expansion NGCC	3.0	3.0	3.0	1.0	1.0	1.0
# Units	Expansion NGCC_CCS	2.0	2.0	0.0	1.0	0.0	0.0
# Units	Expansion SCCT	0.0	0.0	6.0	4.0	6.0	4.0
MW	Expansion Solar	567	567	4,736	3,920	3,891	1,908
MW	Expansion_Wind	0	0	0	404	404	2,405
MW	Expansion Storage	0	0	0	0	0	0

2040s - 2050

# Units	Expansion NGCC	0.0	0.0	0.0	1.0	1.0	1.0
# Units	Expansion NGCC_CCS	0.0	0.0	0.0	0.0	0.0	0.0
# Units	Expansion SCCT	0.0	0.0	0.0	0.0	0.0	0.0
MW	Expansion Solar	6,141	6,141	2,162	1,017	956	1,640
MW	Expansion_Wind	22	22	0	2,387	2,387	600
MW	Expansion Storage	80	80	0	0	0	0

Total

# Units	Expansion NGCC	3.0	3.0	3.0	2.0	2.0	2.0
# Units	Expansion NGCC_CCS	4.0	4.0	1.0	2.0	2.0	3.0
# Units	Expansion SCCT	0.0	0.0	8.0	6.0	6.0	4.0
MW	Expansion Solar	6,708	6,708	7,543	7,163	7,163	7,370
MW	Expansion_Wind	22	22	0	3,397	3,397	3,006
MW	Expansion Storage	80	80	0	0	0	0