

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	2029	2027	2027	2027	2027	2027
Ghent.1	2030	2030	2030	2031	2033	2030
Ghent.2	2027	2027	2027	2028	2028	2027
Ghent.3	2030	2030	2030	2032	2035	2030
Ghent.4	2030	2030	2030	2032	2036	2030
Mill.Creek.2	2027	2027	2028	2028	2028	2027
Mill.Creek.3	2030	2030	2035	2030	2031	2030
Mill.Creek.4	2032	2031	2040	2040	2032	2032
Trimble.County.1	2042	2031	2035	2042	2042	2033
Trimble.County.2	2042	2043	2045	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	2.0	2.0	3.0
# Units	Expansion SCCT	0.0	0.0	0.0	0.0	0.0	0.0
MW	Expansion Solar	0	0	0	2,000	2,811	3,822
MW	Expansion_Wind	0	0	0	0	0	0
MW	Expansion Storage	0	0	45	227	227	0

<u>By 2030</u>							
	Expansion NGCC	0	0	0	0	0	1
	Expansion NGCC_CCS	5	5	4	2	2	3
	Total NGCC/_CCS by 2030	5	5	4	2	2	4

<u>2030s</u>							
# Units	Expansion NGCC	0.0	0.0	1.0	0.0	1.0	1.0
# Units	Expansion NGCC_CCS	3.0	4.0	2.0	1.0	1.0	1.0
# Units	Expansion SCCT	0.0	0.0	0.0	2.0	2.0	2.0
MW	Expansion Solar	0	0	1,118	3,110	2,725	943
MW	Expansion_Wind	0	0	17	459	561	2,013
MW	Expansion Storage	257	0	69	187	194	0

<u>2040s - 2050</u>							
# Units	Expansion NGCC	2.0	1.0	2.0	1.0	0.0	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	0.0	0.0
MW	Expansion Solar	5,812	5,450	5,853	2,049	1,677	2,482
MW	Expansion_Wind	11	212	103	3,041	2,872	600
MW	Expansion Storage	0	8	0	16	34	8

<u>Total</u>							
# Units	Expansion NGCC	2.0	1.0	3.0	1.0	1.0	1.0
# Units	Expansion NGCC_CCS	5.0	6.0	4.0	3.0	3.0	4.0
# Units	Expansion SCCT	0.0	0.0	0.0	2.0	2.0	2.0
MW	Expansion Solar	5,812	5,450	6,971	7,158	7,213	7,248
MW	Expansion_Wind	11	212	120	3,500	3,432	2,614
MW	Expansion Storage	257	8	114	430	455	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	2029	2027	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	2030	2030	2030
Mill.Creek.4	2030	2030	2030	2032	2032	2030
Trimble.County.1	2030	2030	2030	2042	2042	2032
Trimble.County.2	2030	2030	2035	2042	2042	2032

	<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	3.0
# Units Expansion SCCT	0.0	0.0	0.0	2.0	0.0	0.0
MW Expansion Solar	0	0	0	2,675	2,811	3,795
MW Expansion_Wind	0	0	0	0	0	0
MW Expansion Storage	0	0	0	0	227	0

<u>By 2030</u>						
Expansion NGCC	2	2	3	1	1	1
Expansion NGCC_CCS	5	5	3	3	3	4
Total NGCC/_CCS by 2030	7	7	6	4	4	5

<u>2030s</u>						
# Units Expansion NGCC	2.0	2.0	3.0	1.0	1.0	1.0
# Units Expansion NGCC_CCS	3.0	3.0	1.0	2.0	1.0	1.0
# Units Expansion SCCT	0.0	0.0	2.0	0.0	2.0	2.0
MW Expansion Solar	0	0	3,405	3,331	3,136	1,029
MW Expansion_Wind	0	0	4	395	470	2,013
MW Expansion Storage	0	0	0	256	0	0

<u>2040s - 2050</u>						
# Units Expansion NGCC	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0
MW Expansion Solar	6,219	6,219	3,565	1,268	1,326	2,636
MW Expansion_Wind	212	212	611	3,105	3,030	612
MW Expansion Storage	8	8	4	174	203	4

<u>Total</u>						
# Units Expansion NGCC	2.0	2.0	3.0	1.0	1.0	1.0
# Units Expansion NGCC_CCS	5.0	5.0	3.0	3.0	3.0	4.0
# Units Expansion SCCT	0.0	0.0	2.0	2.0	2.0	2.0
MW Expansion Solar	6,219	6,219	6,970	7,273	7,273	7,461
MW Expansion_Wind	212	212	615	3,500	3,500	2,625
MW Expansion Storage	8	8	4	430	430	4

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	2029	2027	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	2030	2030	2030
Mill.Creek.4	2030	2030	2030	2030	2030	2030
Trimble.County.1	2030	2030	2030	2032	2035	2032
Trimble.County.2	2030	2030	2034	2042	2037	2032

	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>	<u>Additions</u>
--	------------------	------------------	------------------	------------------	------------------	------------------

2020s

# 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	2.0	2.0	3.0
# Units	Expansion SCCT	0.0	0.0	0.0	0.0	0.0	0.0
MW	Expansion Solar	0	0	0	1,785	2,811	3,822
MW	Expansion_Wind	0	0	0	0	0	0
MW	Expansion Storage	0	0	0	0	227	0

By 2030

Expansion NGCC	3	3	3	1	1	2
Expansion NGCC_CCS	4	4	3	3	4	3
Total NGCC/_CCS by 2030	7	7	6	4	5	5

2030s

# Units	Expansion NGCC	3.0	3.0	3.0	1.0	1.0	2.0
# Units	Expansion NGCC_CCS	2.0	2.0	1.0	1.0	2.0	0.0
# Units	Expansion SCCT	0.0	0.0	2.0	4.0	0.0	2.0
MW	Expansion Solar	567	567	3,921	4,144	2,295	1,274
MW	Expansion_Wind	0	0	4	618	2,875	2,013
MW	Expansion Storage	0	0	0	0	56	0

2040s - 2050

# Units	Expansion NGCC	0.0	0.0	0.0	1.0	0.0	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	0.0	0.0
MW	Expansion Solar	6,141	6,141	3,240	1,441	2,147	2,506
MW	Expansion_Wind	22	22	611	2,387	600	623
MW	Expansion Storage	80	80	4	0	8	0

Total

# Units	Expansion NGCC	3.0	3.0	3.0	2.0	1.0	2.0
# Units	Expansion NGCC_CCS	4.0	4.0	3.0	3.0	4.0	3.0
# Units	Expansion SCCT	0.0	0.0	2.0	4.0	0.0	2.0
MW	Expansion Solar	6,708	6,708	7,160	7,370	7,253	7,602
MW	Expansion_Wind	22	22	615	3,006	3,475	2,636
MW	Expansion Storage	80	80	4	0	292	0