

	Step 1 (2012 Data for Fossil Sources)										Step 2 (HRI)	Step 3a & 3b (Redispatch)							Step 4a Nuclear
	Coal Rate (lb/MWh)	NGCC Rate (lb/MWh)	O/G rate (lb/MWh)	Other Emissions (lbs)	Hist Coal Gen (MWh)	Hist NGCC Gen. (MWh)	Historic OG steam Gen. (MWh)	Other Gen. (MWh)	NGCC Capacity (MW )	Under Construction NGCC Capacity (MW)	Adj. Coal Rate (lbs/MWh)	Redispatched Coal Gen. (MWh)	Redispatch O/G steam Gen. (MWh)	Redispatched NGCC Gen. (MWh)	Other Emissions (lbs)	Other Gen. (MWh)	2012 NGCC Capacity Factor	Post Redispatch Assumed NGCC Capacity Factor for Existing Fleet	Nuclear Generation Under Construction and "At Risk" (MWh)
EPA values from Goal Comp spreadsheet	2,276	827	1,446	789,080,955	28,378,831	15,651,185	860,470	1,310,917	5,588	0	2,140	10,218,693	309,839	34,361,954	789,080,955	1,310,917	32%	70%	842,037
Ramp Up individually	2,276	Individual rates used	1,446	789,080,955	28,378,831	15,651,185	860,470	1,310,917	5,588	0	2,140	10,218,693	309,839	34,361,954	789,080,955	1,310,917	32%	70%	842,037

Step 4b Renewable (MWh)										Step 5 (Demand Side EE - % of avoided MWh sales)											
2020 Existing and Incremental RE	2021 Existing and Incremental RE	2022 Existing and Incremental RE	2023 Existing and Incremental RE	2024 Existing and Incremental RE	2025 Existing and Incremental RE	2026 Existing and Incremental RE	2027 Existing and Incremental RE	2028 Existing and Incremental RE	2029 Existing and Incremental RE	2020 EE Potential	2021 EE Potential	2022 EE Potential	2023 EE Potential	2024 EE Potential	2025 EE Potential	2026 EE Potential	2027 EE Potential	2028 EE Potential	2029 EE Potential (%)	State Generation as % of sales	2012 Total MWh (sales x 1.0751)
2,288,229	2,479,266	2,686,252	2,910,519	3,153,509	3,416,786	3,702,042	4,011,114	4,345,990	4,708,823	1.52%	2.31%	3.24%	4.28%	5.42%	6.46%	7.41%	8.26%	9.03%	9.71%	113.99%	50,378,720
2,288,229	2,479,266	2,686,252	2,910,519	3,153,509	3,416,786	3,702,042	4,011,114	4,345,990	4,708,823	1.52%	2.31%	3.24%	4.28%	5.42%	6.46%	7.41%	8.26%	9.03%	9.71%	113.99%	50,378,720

Step 6&7 (State Goal Phase I & II (lbs/MWh))											
2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Interim Goal (2020 - 2029 average)	Final Goal (2030 and thereafter)
1,028	1,017	1,003	989	974	959	946	933	921	910	968	910
1,068	1,056	1,042	1,027	1,011	997	983	969	957	945	1,006	945