

Quantitative Information

PORTFOLIO



	2018	2019
Owned Nameplate Generation Capacity at end of year (MW)		
Coal	313	324
Natural Gas	452	452
Nuclear	0	0
Petroleum	54	54
Total Renewable Energy Resources	123	136
Biomass/Biogas	0	0
Geothermal	0	0
Hydroelectric	0	0
Solar	0	0
Wind	123	136
Other	0	0
Owned Net Generation for the data year (MWh)		
Total	2,480,037	2,622,049
Coal	1,869,981	1,751,224
Natural Gas	492,291	501,147
Nuclear	0	0
Petroleum	578	695
Total Renewable Energy Resources	117,187	368,983
Biomass/Biogas	0	0
Geothermal	0	0
Hydroelectric	0	0
Solar	0	0
Wind	117,187	368,983
Other	0	0
Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters		
Total Annual Capital Expenditures (nominal dollars)	\$212,197,000	\$164,036,000
Incremental Annual Electricity Savings from EE Measures (MWh)	45,044	42,382
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$4,838,205	\$4,838,442
Percent of Total Electric Customers with Smart Meters (at end of year)	6%	6%

	2018	2019
Net Generation for the data year (MWh)		
Coal	1,869,981	1,751,224
Natural Gas	492,291	501,147
Nuclear	0	0
Petroleum	578	695
Total Renewable Energy Resources	117,187	368,983
Biomass/Biogas	0	0
Geothermal	0	0
Hydroelectric	0	0
Solar	0	0
Wind	117,187	368,983
Other	0	0
Purchased Net Generation for the data year (MWh)		
Coal	0	0
Natural Gas	0	0
Nuclear	0	0
Petroleum	0	0
Total Renewable Energy Resources	236,461	80,164
Biomass/Biogas	37,923	16,497
Geothermal	0	0
Hydroelectric	0	0
Solar	3,593	4,624
Wind	194,945	59,043
Other	856,364	864,572
Retail Electric Customer Count (at end of year)		
Commercial	20,594	20,829
Industrial	37	37
Residential	133,857	135,967

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EMISSIONS



GHG Emissions: Carbon Dioxide (CO₂) and Carbon Dioxide Equivalent (CO₂e)



	2018	2019
Owned Generation		
Carbon Dioxide (CO ₂)		
Total Owned Generation CO ₂ Emissions (MT)	2,177,238	2,037,755
Total Owned Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.878	0.777
Carbon Dioxide Equivalent (CO ₂ e)		
Total Owned Generation CO ₂ e Emissions (MT)		
Total Owned Generation CO ₂ e Emissions Intensity (MT/Net MWh)		
Owned Generation + Purchased Power		
Carbon Dioxide (CO ₂)		
Total Owned + Purchased Generation CO ₂ Emissions (MT)	2,640,046	2,504,102
Total Owned + Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.74	0.70
Carbon Dioxide Equivalent (CO ₂ e)		
Total Owned + Purchased Generation CO ₂ e Emissions (MT)		
Total Owned + Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)		

	2018	2019
Purchased Power		
Carbon Dioxide (CO ₂)		
Total Purchased Generation CO ₂ Emissions (MT)	462,808	466,347
Total Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.423	0.494
Carbon Dioxide Equivalent (CO ₂ e)		
Total Purchased Generation CO ₂ e Emissions (MT)		
Total Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)		
Non-Generation CO₂e Emissions		
Fugitive CO ₂ e Emissions of Sulfur Hexafluoride (MT)		
Fugitive CO ₂ e Emissions from Natural Gas Distribution (MT)	14,040	14,276

Nitrogen Oxide (NO_x), Sulfur Dioxide (SO₂), Mercury (Hg); Generation basis for calculation

Nitrogen Oxide (NO_x)		
Total NO _x Emissions (MT)	804	799
Total NO _x Emissions Intensity (MT/Net MWh)	0.000324	0.000305
Mercury (Hg)		
Total Hg Emissions (kg)	5.24	3.7
Total Hg Emissions Intensity (kg/Net MWh)	0.00000211	0.00000142

Sulfur Dioxide (SO₂)		
Total SO ₂ Emissions (MT)	376	351
Total SO ₂ Emissions Intensity (MT/Net MWh)	0.000151	0.000134

Quantitative Information

RESOURCES



	2018	2019
Human Resources		
Total Number of Employees	711	731
Total Number on Board of Directors/ Trustees	9	9
Total Women on Board of Directors/ Trustees	2	2
Total Minorities on Board of Directors/Trustees	0	1
Employee Safety Metrics		
Recordable Incident Rate	3.06	1.38
Lost-Time Case Rate	1.90	0.63
Days Away, Restricted, and Transfer (DART) Rate	1.90	0.88
Work-Related Fatalities	0	0
Waste Products		
Amount of Hazardous Waste Manifested for Disposal (metric tons)	95.1	5.44
Percent of Coal Combustion Products Beneficially Used	68%	70.5%

	2018	2019
Fresh Water Resources		
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000021	0.0000017
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	0.0000450	0.0000454

Quantitative Information

NATURAL GAS DISTRIBUTION



	2018	2019
Methane Emissions and Mitigation from Distribution Mains		
Number of Gas Distribution Customers	161,000	163,000
Distribution Mains in Service		
Plastic (Miles)	1,899	1,954
Cathodically Protected Steel - Bare and Coated (Miles)	1,001	991
Unprotected Steel - Bare and Coated (Miles)	0	0
Cast Iron/Wrought Iron - Without Upgrades (Miles)	0	0
Plan/Commitment to Replace/Upgrade Remaining Miles of Distribution Mains (# of Years to Complete)		
Unprotected Steel (Bare & Coated) (# of Years to Complete)	0	0
Cast Iron/Wrought Iron (# of Years to Complete)	0	0

	2018	2019
Distribution CO₂e Fugitive Emissions		
CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (Metric Tons)	14,040	14,276
CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (Metric Tons)	561.6	571.0
CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMscf/Year)	29.3	29.7
Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/Year)		32,397,923
Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/Year)		30,778
Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)		0.1%