

Employees Retirement System Energy Conservation Plan

October 2019

Energy Management

Starting in Fiscal Year 2000, ERS began implementing a comprehensive set of energy conservation measures. The agency will continue to do so by implementing the following:

- Retrofitting lighting fixtures for higher efficiency
- Calibrating thermostats
- Adjusting building temperature for seasonal changes and after-hours usage

ERS continues to acquire new training for its employees in such areas as energy auditing, benchmarking, and energy management. In addition, the agency encourages efficient business practices by shutting off task lighting when not in use and limiting the use of personal appliances such as microwave ovens, small refrigerators, space heaters and coffee pots.

Energy Consumption

ERS has a goal to reduce electric and natural gas consumption by 5% per year in fiscal year 2019 from the average of the 16 previous fiscal years. ERS **has met** this goal for the 4th quarter of Fiscal Year 2019.

Electricity Consumption in Kilowatt Hours (KWH)

	Average FY 03 - 18	Actual FY 2019	Change	Goal FY 2019
First Quarter	789,656	606,000	-23.3%	773,863
Second Quarter	694,969	472,000	-32.1%	681,069
Third Quarter	788,250	481,000	-39.0%	772,485
Fourth Quarter	905,750	609,000	-32.8%	887,635
TOTAL	3,178,625	2,168,000	-31.8%	3,115,053

Natural Gas Consumption in 100 Cubic Feet (Ccf)

	Average FY 03 - 18	Actual FY 2019	Change	Goal FY 2019
First Quarter	3,632	5,967	64.3%	3,559
Second Quarter	14,168	11,407	-19.5%	13,885
Third Quarter	5,201	2,635	-49.3%	5,097
Fourth Quarter	818	0	-100.0%	802
TOTAL	23,818	20,009	-16.0%	23,342

Fuel Consumption

ERS has reduced travel over the years by webcasting instead of traveling to make presentations. The agency will continue to analyze the demand for onsite presentations and to substitute webcasts where appropriate.

Fuel Consumption Goal

ERS has a goal to reduce fuel consumption by 5% per year in fiscal year 2019 from the previous fiscal year.

Data was only available for Fiscal Year 2018 to the present. Mileage was used as a measure to track fuel consumption. The 4th quarter for Fiscal Year 2019 shows a 8.4% increase from FY18.

Mileage for ERS Vehicles

	Actual FY18	Actual FY 2019	Change	Goal FY 2019
First Quarter	794	713	-10.2%	778
Second Quarter	523	689	31.7%	513
Third Quarter	566	557	-1.6%	555
Fourth Quarter	680	737	8.4%	666
TOTAL	2,563	2,696	28.3%	2,512