

Employees Retirement System Energy Conservation Plan

October 2018

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 2018 from the average of the 15 previous fiscal years. ERS **has not met** this goal for the fourth quarter of Fiscal Year 2018.

Electricity Consumption in Kilowatt Hours (KWH)				
	Average FY 03 - 17	Actual FY 2018	Change	Goal FY 2018
First Quarter	801,500	612,000	-23.6%	785,470
Second Quarter	707,733	503,500	-28.9%	693,579
Third Quarter	799,633	617,500	-22.8%	783,641
Fourth Quarter	916,367	746,500	-19.0%	898,039
TOTAL	3,225,233	2,479,500	-23.0%	3,160,729

Natural Gas Consumption in 100 Cubic Feet (Ccf)				
	Average FY 03 - 17	Actual FY 2018	Change	Goal FY 2018
First Quarter	3,680	2,907	-21.0%	3,606
Second Quarter	14,204	13,628	-4.1%	13,920
Third Quarter	5,162	5,788	12.1%	5,058
Fourth Quarter	791	1,219	54.0%	775
TOTAL	23,837	23,542	-1.0%	23,360

Fuel Consumption

ERS has reduced travel over the past 9 fiscal 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 2018 from the average of the 13 previous fiscal years.

Data was only available for Fiscal Year 2005 to the present. Mileage was used as a measure to track fuel consumption. The fourth quarter for Fiscal Year 2018 shows a 50 percent decrease from the FY05-17 average.

Mileage for ERS Vehicles				
	Average FY05 - 18	Actual FY 2018	Change	Goal FY 2018
First Quarter	1,198	794	-34%	1,174
Second Quarter	1,138	523	-54%	1,115
Third Quarter	1,260	566	-55%	1,234
Fourth Quarter	1,361	680	-50%	1,334
TOTAL	4,957	2,563	-48%	4,858