

# Employees Retirement System Energy Conservation Plan

January 2022

## 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, space heaters and coffee pots.

## Energy Consumption

Beginning September 1, 2019, the goal is to reduce the electric consumption by at least 5% each state fiscal year for the next seven years. ERS **met** this goal for the 1st quarter of Fiscal Year 2022.

### Electricity Consumption in Kilowatt Hours KWH)

	Average FY 13 - 21	Actual FY 2022	Change	Goal FY 2022
First Quarter	609,667	342,000	-41.0%	579,183
Second Quarter	534,667	0	-100.0%	507,933
Third Quarter	583,811	0	-100.0%	554,621
Fourth Quarter	695,389	0	-100.0%	660,619
<b>TOTAL</b>	<b>2,423,533</b>	<b>342,000</b>	<b>-85.9%</b>	<b>2,302,357</b>

### Natural Gas Consumption in 100 Cubic Feet Ccf)

	Average FY 13 - 21	Actual FY 2021	Change	Goal FY 2022
First Quarter	2,775	828	-68.6%	2,636
Second Quarter	12,158	0	-100.0%	11,551
Third Quarter	3,714	0	-100.0%	3,528
Fourth Quarter	240	0	-100.0%	228
<b>TOTAL</b>	<b>18,887</b>	<b>828</b>	<b>-95.6%</b>	<b>17,943</b>

## 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 2022 from the previous fiscal year.

Mileage was used as a measure to track fuel consumption. The 1st quarter for Fiscal Year 2022 shows a 310% increase from FY21. Due to the Covid-19 pandemic, our mileage was significantly lower over the past 4 quarters and we expect to see an increase in mileage in each future quarter.

<b>Mileage for ERS Vehicles</b>				
	<b>Actual FY 2021</b>	<b>Actual FY 2022</b>	<b>Change</b>	<b>Goal FY 2022</b>
<b>First Quarter</b>	<b>20</b>	<b>82</b>	<b>310.00%</b>	<b>20</b>
<b>Second Quarter</b>	<b>21</b>			
<b>Third Quarter</b>	<b>15</b>			
<b>Fourth Quarter</b>	<b>54</b>			
<b>TOTAL</b>	<b>110</b>			