

## ENERGY SAVINGS ASSISTANCE PROGRAM (ESAP)

#### **Customer Engagement**

City Council May 20, 2025

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### LEGISLATIVE HISTORY OF ENERGY EFFICIENCY

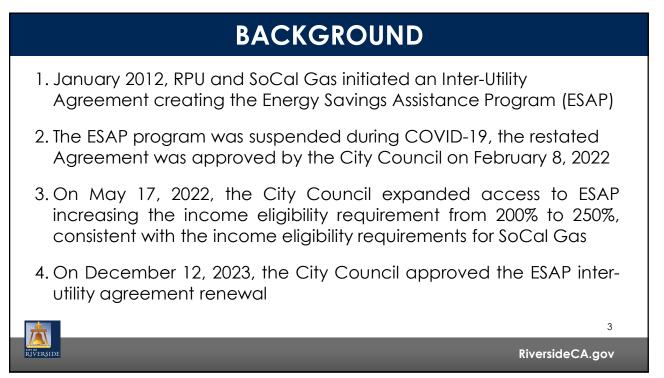
Assembly Bill (AB) 1890, adopted in 1996, requires publicly owned utilities to collect and spend Public Benefits Charge funds for low-income assistance, energy efficiency and conservation programs, renewable energy, as well as research, development, and demonstration projects.

Senate Bill (SB) x 2-2, adopted in 2001, also requires POUs to streamline enrollment for low-income programs by collaborating with existing providers for the Low-Income Home Energy Assistance Program (LIHEAP) and other electric or gas providers within the same service territory.



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#### DISCUSSION

ESAP program offers the direct installation of a range of energy efficient measures including:

- 1. Whole house fan 2500 CFM (cubic feet)
- 2. Whole house fan 3300 CFM
- 3. Refrigerators (and refrigerator recycling)
- 4. LED lighting (e.g. floodlamps, porch lights)
- 5. Duct sealing and testing
- 6. ECM motors
- 7. Ceiling insulation
- 8. Occupancy sensors
- 9. Smart thermostats
- 10. Computer smart power strips
- 11. Nightlights



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DISCUSSION						
<ol> <li>Agreement provides 2 new measures:         <ul> <li>a. Lifecycle refrigerant management (for Gas Furnace &amp; Heat Pumps)</li> <li>b. Smart fan control switch (for Gas Furnace &amp; Heat Pumps)</li> </ul> </li> <li>These new measures will help save substantial kWh when compared to previous 'traditional' measures (AC tune-ups and HVAC fan control switches)</li> </ol>						
<ol> <li>The chart highlights the differences these measures provide in kWh savings:</li> </ol>						
Old Measure	kWh Savings	New Measure	kWh Savings			
HVAC Efficient Control Switch	566	Smart Fan Efficient Control Switch	700			
AC Tune-up	74 (per ton)	Lifecycle refrigerant management	292-705*			
*kWh savings depend on unit	_	_	RiversideCA.gov			

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# DISCUSSION

1. The chart below shows program participation, kWh savings and costs by fiscal year since 2021/22.

Program Details	FY 21/22*	FY 22/23	FY 23/24	FY 24/25** To Date
Homes Served	456	709	398	262
kWh Saved	642,570	884,862	437,972	223,320
Program Cost (RPU)	\$313,941.52	\$443,591.48	\$455,740.57	\$428,142.95

\*FY 21/22 program was only available for 4 months due to COVID-19 restrictions and contract expiration. \*\*7/1/24-1/31/25

- 2. Program participation has been steady, peaking in 2022/23.
- 3. Numbers decreased in 2023/24, due to pricing changes and economic conditions.



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