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EXCERPT FROM
SOCALGAS'S ENERGY EFFICIENCY BUSINESS PLAN

January 17, 2017

Energy Efficiency Business Plan

January 17, 2017



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Advocacy to Support Building Codes and Appliance Standards

Advocacy activities develop proposals for building codes and appliance standards. In prior years, these efforts were housed within a single program that addressed C&S issues at the state and national levels (e.g. the CEC's Order Instituting Rulemaking (OIR) for Title 20 Appliance Standards and the United States Department of Energy's (DOE) ongoing rulemaking for Federal Appliance Standards).

In the near-term, the statewide Building Code & State Appliance Standards subprograms will be separated from the National (and possibly International) Standards subprogram and activities will remain local. The National Standards program will work on DOE appliance standards and test procedures, multiple national (and possibly international, as applicable) agencies or organizations that develop mandatory or voluntary standards, test procedures, labels, and/or protocols that could directly impact California customers and goals.²⁸⁵

Technical Assistance to Local Governments to Help Adopt Reach Codes

This strategy has traditionally included technical support for local governments interested in adopting ordinances that exceed state building energy codes (Title 24, Part 6). This resulted in cost-effectiveness reports that local governments used to adopt ordinances, which were submitted to the CEC for approval and filed with the Building Standards Commission (BSC). As local governments are increasingly focused on reducing GHG emissions, their interest expands beyond the standard performance-based reach codes. In response, C&S reach codes efforts will expand to include support for ordinances requiring measures beyond traditional energy efficiency measures, such as voluntary standards, renewable energy, alternative fuels vehicle infrastructure, energy storage, demand response, and water saving measures.

- In the near-term, Program Administrators will work with local government partnerships to educate local elected officials and staff regarding the value of reach codes, and help prepare cost-effectiveness studies that support both the CAL Green Voluntary Tier rulemaking process and the development of comprehensive ZNE reach codes.
- In the long-term, Program Administrators will support the development of tools to support local jurisdictions as they track, quantify, and report reach code energy savings and greenhouse gas reductions as a result of energy conservation and savings.

Compliance Improvement Activities

These activities complement advocacy efforts by ensuring potential savings from C&S are realized and persist over time. This strategy targets market actors throughout the compliance supply chain, providing technical support, education, outreach, and resources to improve

²⁸⁵ These includes, but are not limited to, American Society of Heating, Refrigerating, and Air Conditioning Engineers (model building codes, such as ASHRAE 90.1 and 189.1), International Code Council (model building codes, such as the International Energy Conservation Code and the International Green Construction Code), the Environmental Protection Agency (ENERGY STAR labels), the Federal Trade Commission (EnergyGuide labels), Institute of Electrical and Electronics Engineers (e.g., IEEE 802.3 Energy Efficient Ethernet), International Electrotechnical Commission (test procedures), etc.

Appendix H: Cost-Effectiveness

2018-2020 Cost-Effectiveness Outputs					
Sector	Avoided Cost Benefits	TRC Cost	PAC Cost	TRC Ratio	PAC Ratio
Residential	\$ 84,850,516	\$ 112,499,362	\$ 85,095,105	0.75	1.00
Commercial	\$ 79,833,173	\$ 62,131,287	\$ 43,989,755	1.28	1.81
Industrial	\$ 154,934,578	\$ 60,881,329	\$ 36,412,374	2.54	4.25
Agricultural	\$ 40,445,364	\$ 20,495,303	\$ 12,237,727	1.97	3.30
Public	\$ 33,347,557	\$ 33,187,812	\$ 25,555,824	1.00	1.30
Codes & Standards	\$ 754,218,305	\$ 396,952,601	\$ 2,586,000	1.90	291.65
Other	\$ -	\$ 61,315,000	\$ 61,315,000	-	-
Total	\$ 1,147,629,494	\$ 747,462,695	\$ 267,191,786	1.54	4.30

Note: The Other category includes WE&T, ET, Financing, Pensions and Benefits, Efficiency Savings and Performance Incentive (ESPI), and EM&V.