



Prioritizing Emerging Technologies for Market Transformation

A Look Behind the Curtain

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CEE MISSION

As the Consortium for Energy Efficiency, United States and Canadian efficiency program administrators develop cutting-edge strategies to accelerate commercialization of energy efficient solutions to benefit gas and electric customers, utility systems, and the environment.

Committees Identify Emerging Opportunities



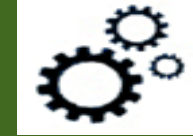
Residential

Whole House
Space Heating and Cooling
Appliances
Gas Water Heating
Lighting
Consumer Electronics
Swimming Pools



Commercial

Building Performance
Unitary Air-conditioning
and Heat Pumps
Gas Boiler Systems
Health Care
Kitchens
Gas Water Heating
Lighting Systems
Data Centers
and Servers



Industrial

Industrial Program Planning
Strategic Energy Management
Motors and Motor Systems
Municipal Water and Wastewater

Emerging Technologies Collaborative

2017 Emerging Technologies Collaborative

- ▼ BC Hydro
- ▼ Bonneville Power Administration
- ▼ Commonwealth Edison
- ▼ Consumers Energy
- ▼ FortisBC
- ▼ DTE Energy
- ▼ Efficiency Vermont
- ▼ Focus on Energy—Wisconsin
- ▼ Natural Resources Canada
- ▼ Pacific Gas and Electric
- ▼ Southern California Edison
- ▼ San Diego Gas & Electric
- ▼ Sacramento Municipal Utility District
- ▼ SoCalGas
- ▼ Southern Company
- ▼ Union Gas
- ▼ United Illuminating
- ▼ Xcel Energy

Emerging Opportunities



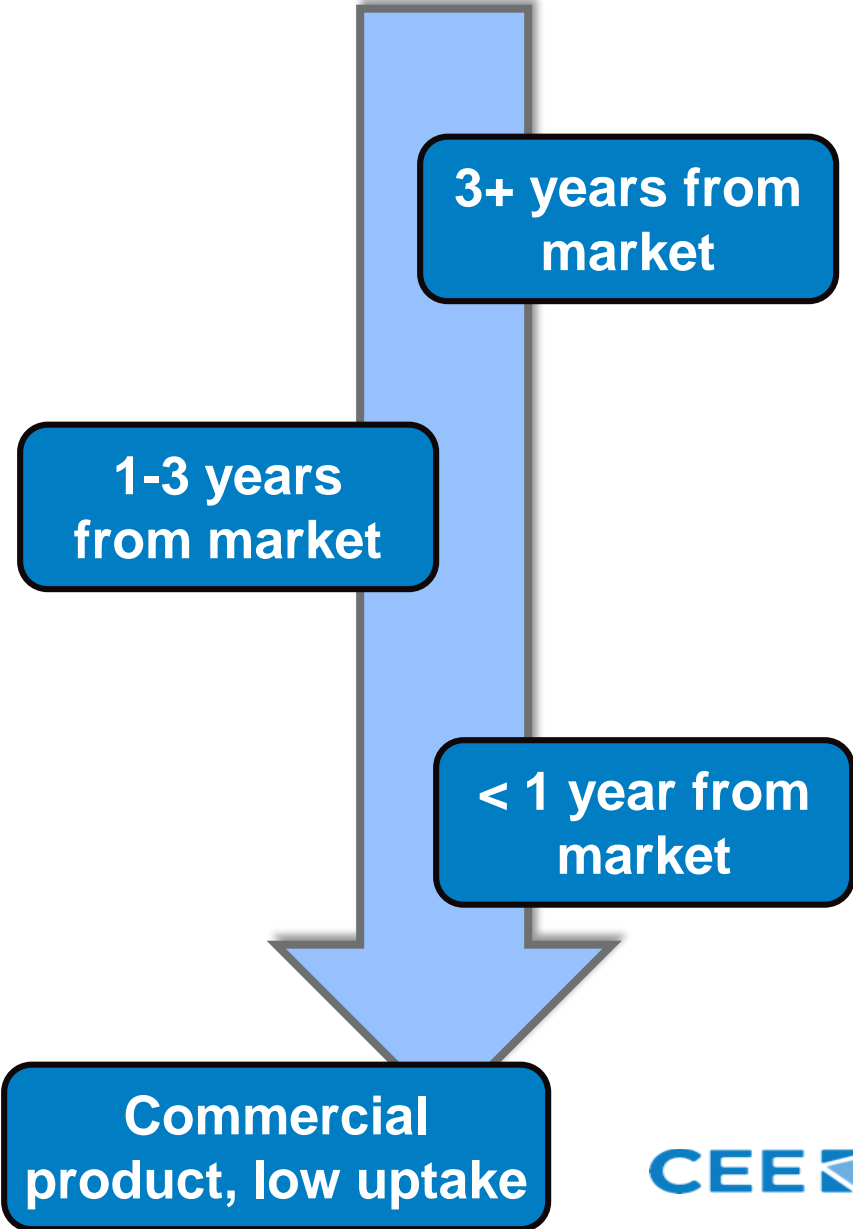
Products



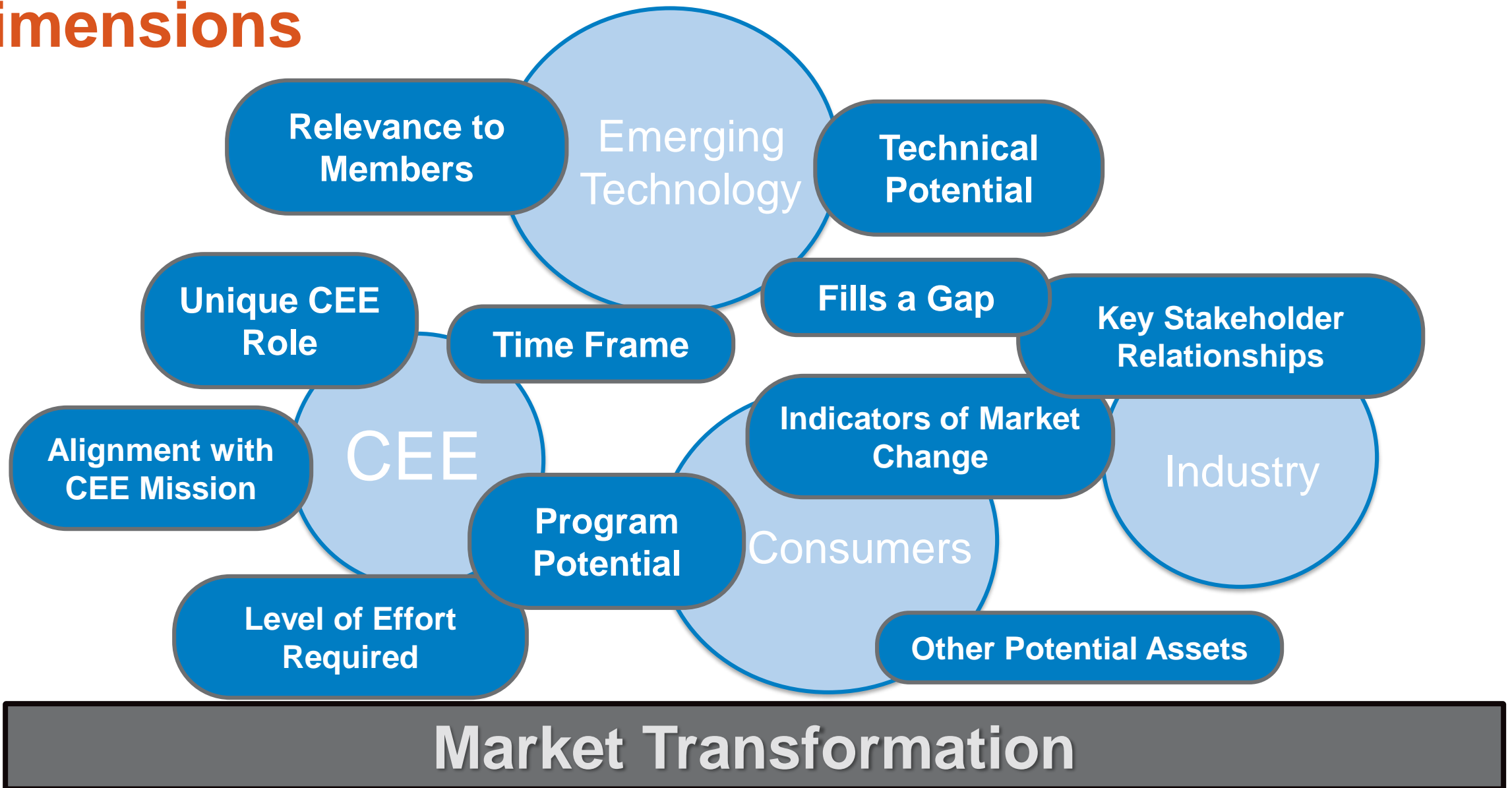
Services



Approaches




Dimensions



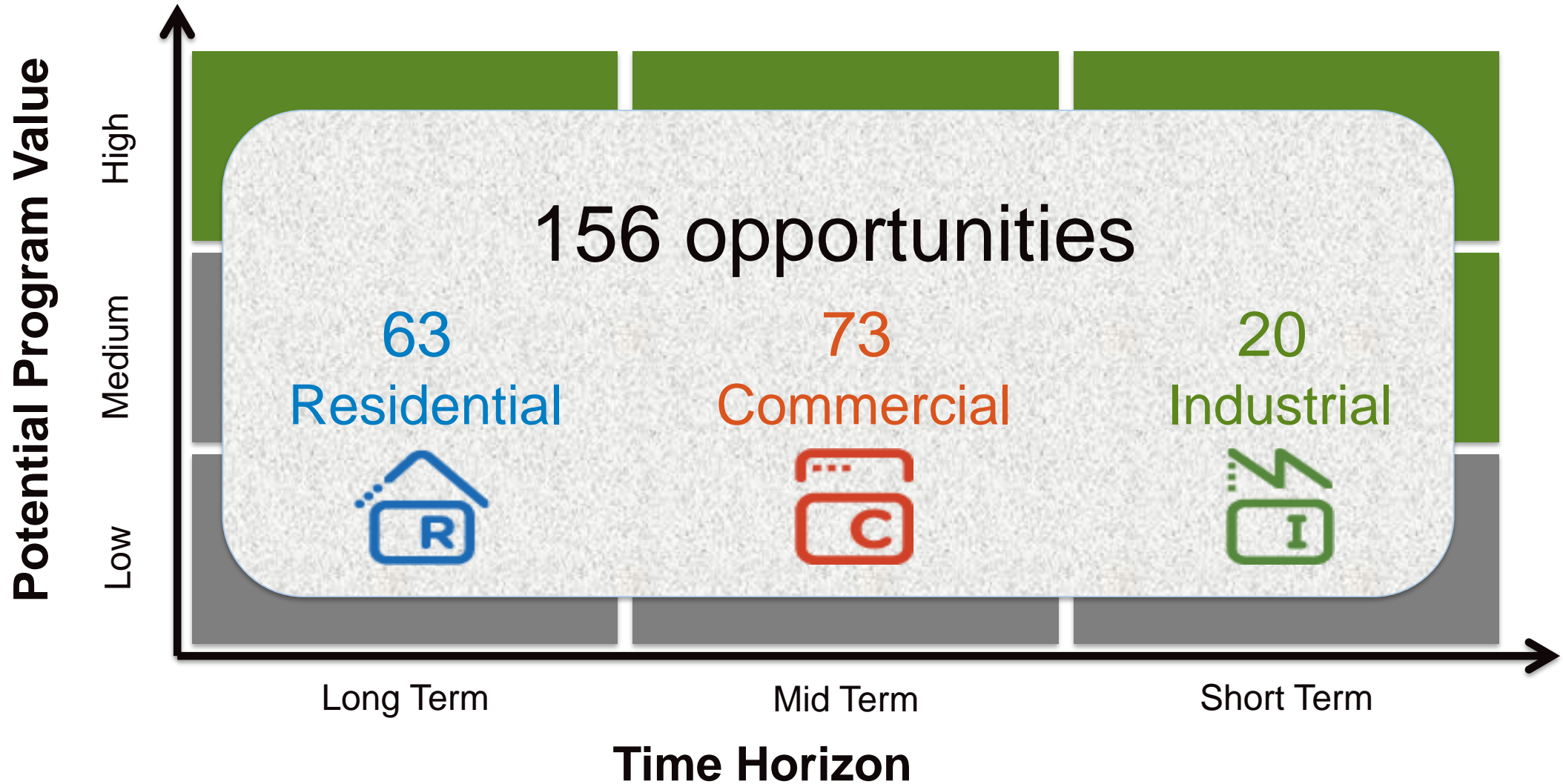
Identify Relevant Member ET Projects

Catalog of Emerging Technology Assessments

2016 Catalog of Emerging Technologies Assessments				
 Title	Description of Research Project, Including Research Questions	Project Status	For Project Status=Cancelled, Reason for Cancellation	Pr
Illios Gas Engine Heat Pump Water Heater	High-e water heater with COP 1.8-2.2.	1. Developing	*n/a	3. Field demo
Kitchen of the Future (Retrofit)	Showcase deep retrofit in a commercial restaurant using multiple emerging technologies.	1. Developing	*n/a	3. Field demo
Zero Net Energy (ZNE) Initiative—Strategy + C&S support	Defining roles of gas technologies.	2. Active	*n/a	Unspecified
Deep Retrofit—Low Income	Collaborate with other participating utility companies to demonstrate and showcase various gas technologies and financing methods integrated in deep retrofit solutions to achieve near zero net	2. Active	*n/a	3. Field demo
	ing both conventional EE and			
	virtually, as well as giving them	2. Active	*n/a	3. Field demo
	actices that establishes energy	1. Developing	*n/a	1. Study
	ency (EE) Programs and part of our e cases and identify which MF use ixed and this project will assess the	1. Developing	*n/a	1. Study

- Updated annually
- 2016 version: ~ 700 assessments
- ~ 20 member organizations representing over 64 million electric customers and 34 million gas customers
- Assessment descriptions, metadata, categorization
- Available to CEE members

Screen



Prioritize



Select



Program potential

Time frame

Fills a gap

Potential assets

Level of effort

Unique CEE role

Timing is right

Recent and Current Focus Area Examples

Manufactured Homes



Multifunction Heat Pumps

Commercial Heat Pump Water Heaters



Contact

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