



Senate Energy, Utilities and Communications Committee



Presentation on San Diego Gas & Electric and Southern California Gas Companies' 2010 - 2012 Energy Efficiency Programs

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Sempra Utilities Energy Efficiency Portfolio Overview



Utility	'10-'12 Budget (millions)	Targets			Net Societal Benefits (millions)
		GWh	MW	MMtherms	
SDG&E	\$278	794	157	12	\$118
SoCalGas	\$285	-	-	115	184

EE “Game Changers”

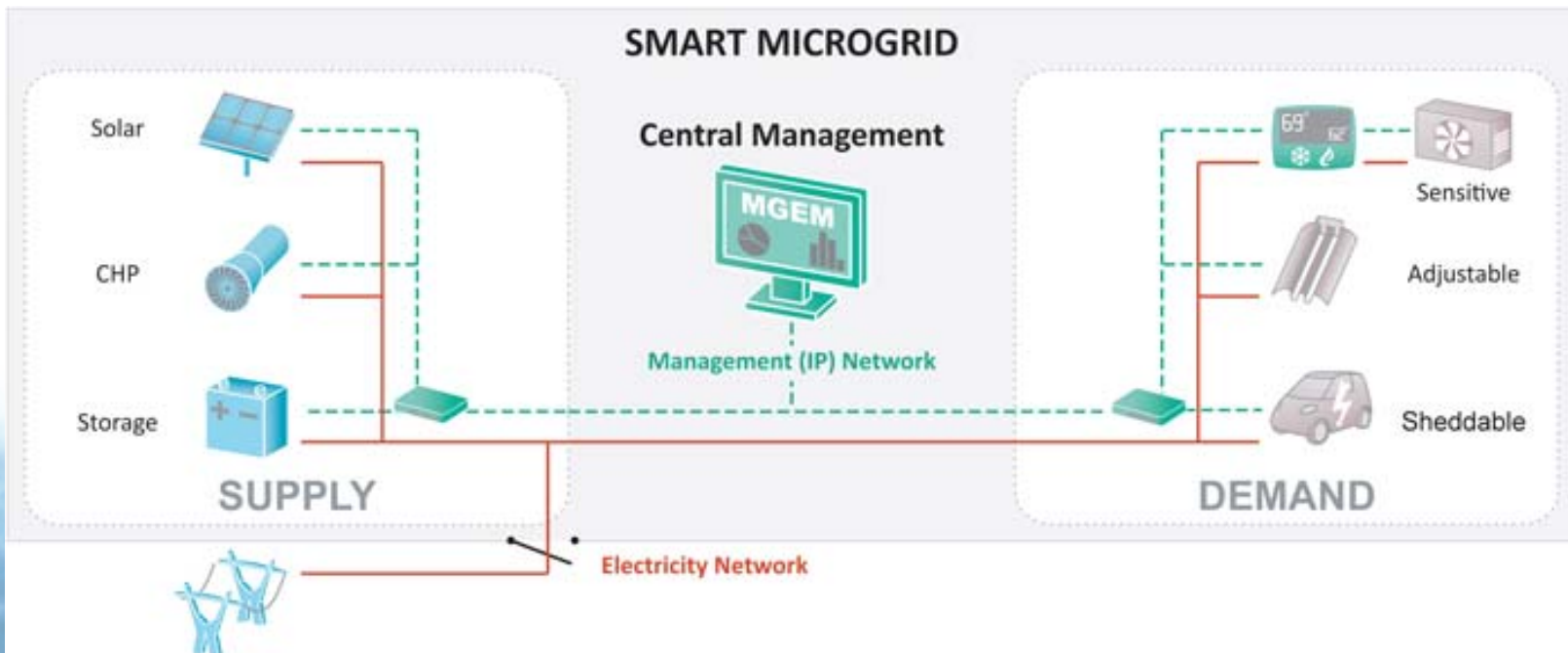
- **Financing**
 - On-bill (commercial)
 - PACE (residential)
- **Technology**
 - Feedback
 - Controls



What's New in 2010-2012

Micro Grid Pilot

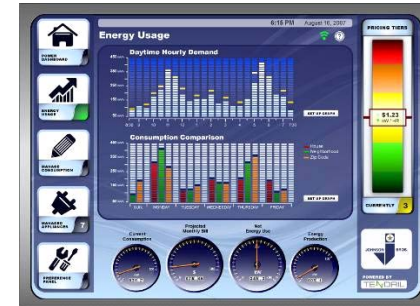
- **Objective:** Test “self sufficient” & “self-healing” grid using:
 - Demand management – Energy Efficiency, Demand Response, Time Dependent Rates
 - Distributed supply - Storage, Renewables, Distributed Generation, Plug-in Hybrids
 - Advanced controls – Home Area Network Controls, Electric Grid System Controls
- **Funding:** \$7.5 million Dept. of Energy, \$2.8 million Cal Energy Com., \$2.6 million Energy Efficiency/Demand Response
- **Location:** Borrego Springs



What's New in 2010-2012

Technology Enabled Information Management:

- Energy Efficiency/Demand Response pilots to identify:
 - Optimal functionality
 - Optimal marketing
- Ongoing pilots:
 - Google
 - OPower
 - Detectant



What's New in 2010-2012

Emerging Energy Management Industry

- New entrants
- New products/services



What does the future look like?

