

# Current Programs

## Agenda No. 3

### Residential and Commercial Energy White Paper Working Group

September 10, 2014



# Overview – Existing Programs

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- Energy Efficiency Standards and Targets
  - Incentives and Rebates
  - Tax Incentives
  - Financing Mechanisms
  - Others

# California's Loading Order

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- Preferred Sequence for Meeting Electricity Demand
  1. Energy Efficiency and Demand Response
  2. Renewable Resources
  3. Efficient and Clean Natural Gas Plants

# Efficiency Standards

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- EPA Energy Star
  - Establishes efficiency standards and rating methodologies for appliances and buildings
- CEC
  - New appliance Standards
  - Building Efficiency Standards (Title 24)
- CPUC
  - Efficiency and load reduction targets (with CEC)
  - Ratepayer funded programs (IOUs)

# SCE Efficiency and Load Reduction Goals

	2013	2014	2015
GWh	922	924	983
MW	181	177	160

# Ratepayer Funded Utility Incentives and Rebates

- Examples
  - Residential
    - EPA ENERGY STAR Qualified Appliances (i.e. refrigerator up to \$75 SCE)
    - Insulation (\$0.15 sq ft SoCal Gas)
    - AC Demand Response Bill Credits
    - Shade Tree Rebates
    - Low Flow Showerhead, Turf Replacement
  - Commercial
    - Energy Audits
    - Rate structures incentivizing Demand Response
    - Permanent Load Shift (\$875/kW SCE)
    - Energy Education Centers

# CPUC – Self Generation Incentive Program (SGIP)

- Ratepayer funded program for clean and efficient distributed generation (\$/W)
  - Incentive amount based on technology and capacity
- Administered through local IOU utility

# Financing Mechanisms

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- Prop 39
- On Bill Financing
- Property Assessed Clean Energy (PACE)
- Power Purchase Agreement (PPA)
- Power Efficiency Agreement (PEA)

# Others

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- DOE – Weatherization Assistance Program (WAP)
  - California Department of Community Services
- Feed in tariffs
  - LADWP –FiT Program
- Tax Credits
- Local Ordinances

# Resource

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- DSIRE Database (Database of State Incentives for Renewables and Efficiency)
  - [www.dsireusa.org](http://www.dsireusa.org)