



CALIFORNIA ENERGY COMMISSION

Vehicle-Grid Integration Initiatives from the California Energy Commission's Energy Research and Development Division

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Energy Research and Development Division

California Energy Commission

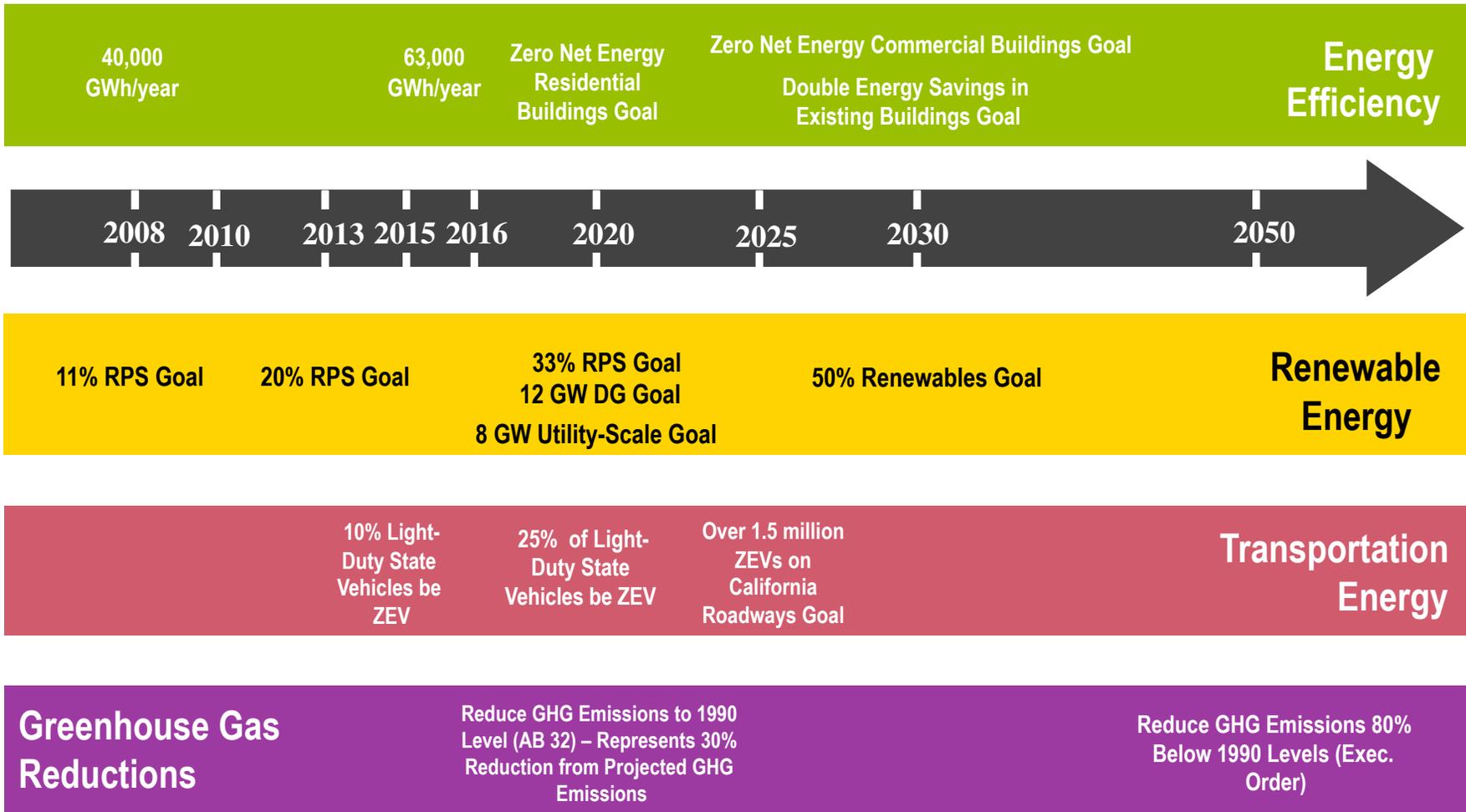
Second Annual California Multi-Agency Update on

Vehicle-Grid Integration Research

December 14, 2015

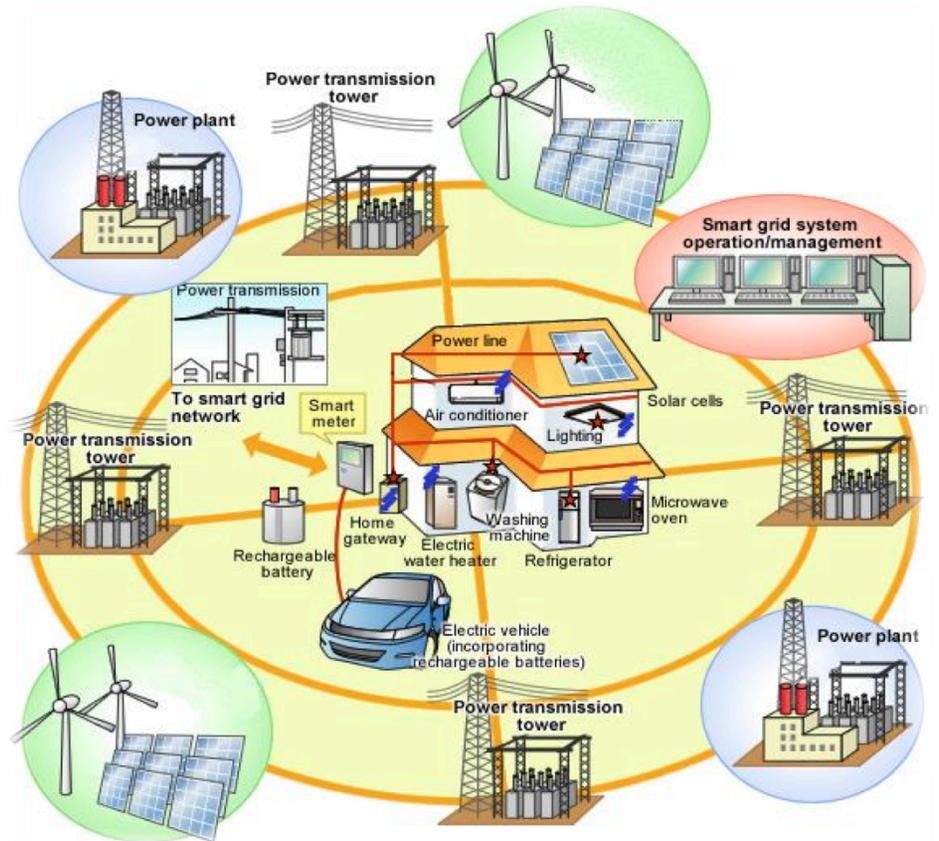
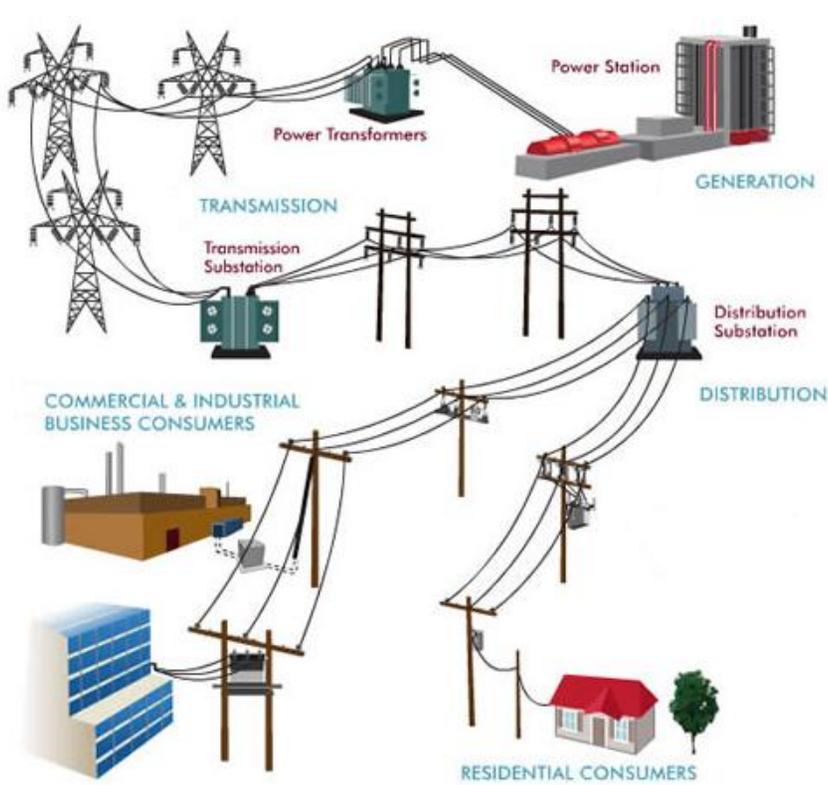


State Energy Policy Drives Energy R&D Investments





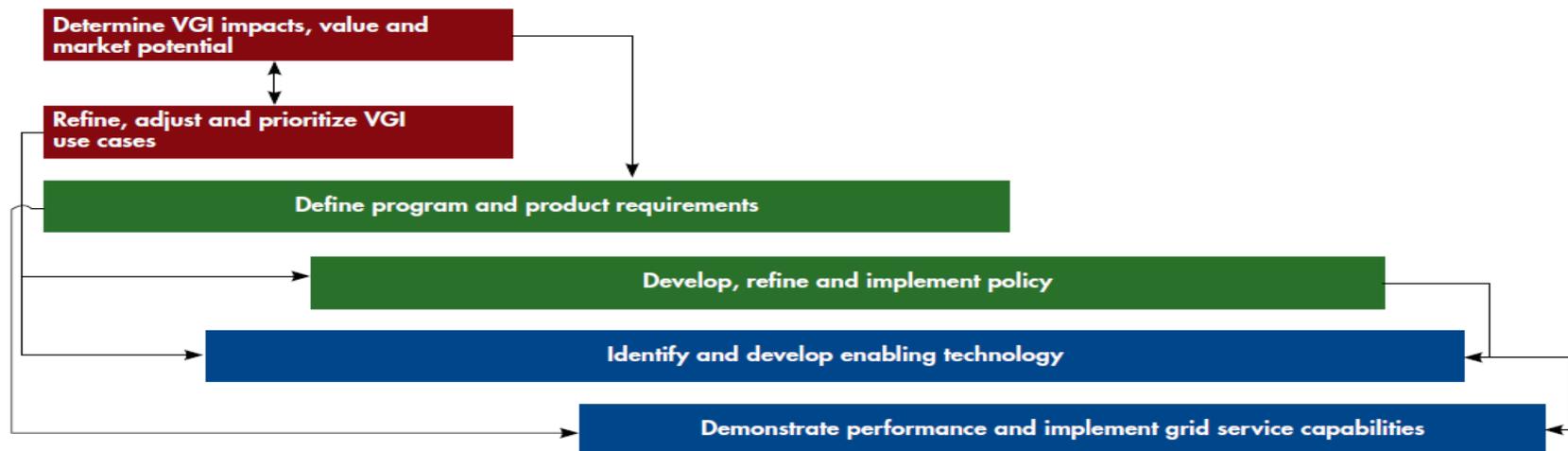
Vision for the Future Electric Grid





Vehicle-Grid Integration Roadmap

- In March 2012, Governor Brown issued *Executive Order B-16-2012* establishing milestones on a path toward 1.5 million ZEVs in California by the year 2025.
- The *2013 ZEV Action Plan* identifies specific strategies and actions that state agencies will take to meet milestones of the executive order. The ***California Vehicle-Grid Integration Roadmap*** is a deliverable under the 2013 ZEV Action Plan.
 - **Determine Vehicle-Grid Integration Value and Potential**
 - **Develop Enabling Policies, Regulations and Business Processes**
 - Including CPUC Alternative-Fueled Vehicles Proceedings
 - **Support Enabling Technology Development**
 - Including Energy Commission research, development, and demonstration





Electric Program Investment Charge (EPIC): Bringing clean energy ideas to the marketplace for the benefit of California electric IOU ratepayers

Energy Innovation Pipeline





Energy Commission administers 80% of EPIC funds

Program Area	2012-2014	2015-2017
Applied Research and Development	\$158.7 Million	\$158.17 Million
Technology Demonstration and Deployment	\$129.8 Million	\$151.27 Million
Market Facilitation	\$ 43.3 Million	\$ 55.57 Million
Total*	\$331.8 Million	\$365.0 Million

Note: Funds for 2018-2020 are likely to be similar to 2015-2017, adjusted for inflation.
Total excludes funds for program administration.



CALIFORNIA ENERGY COMMISSION

STATE OF CALIFORNIA

Notice of Staff Meeting

CEC-73 (Revised 1/15)

CALIFORNIA ENERGY COMMISSION



Notice of Staff Workshop: Scoping Workshop for a Vehicle-Grid Integration Solicitation under the Second EPIC Investment Plan

California Energy Commission staff will conduct a public workshop to gather public comments on draft solicitation material based on Strategic Objectives S9 and S16 under the Energy Commission's 2015-2017 Triennial EPIC Investment Plan. The workshop will take place on:

Tuesday, December 15, 2015
9:00 a.m. - 12:00 p.m.
CALIFORNIA ENERGY COMMISSION
1516 Ninth Street
First Floor, Imbrecht Hearing Room
Sacramento, California
Wheelchair Accessible

Remote Access Available by Computer or Phone via WebEx™