DOCKETED	
Docket Number:	17-EPIC-01
Project Title:	Development of the California Energy Commission Electric Program Investment Charge 2018 – 2020 Triennial Investment Plan
TN #:	216584
Document Title:	Presentation: Southern California Edison - EPIC Program & Policy Overview
Description:	N/A
Filer:	Doris Yamamoto
Organization:	Southern California Edison
Submitter Role:	Public Agency
Submission Date:	3/16/2017 10:00:33 AM
Docketed Date:	3/16/2017

EPIC PROGRAM & POLICY OVERVIEW





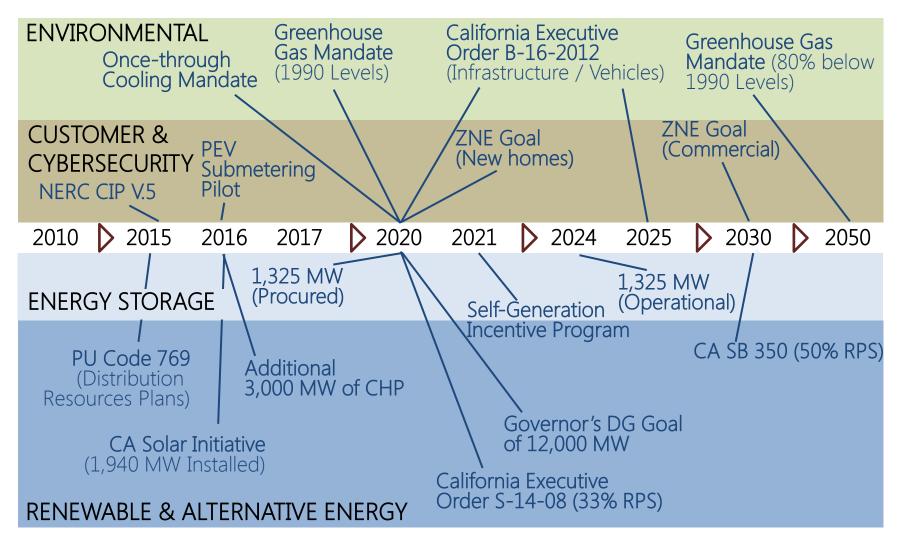


Presented by

Aaron Renfro, Regulatory Affairs

Southern California Edison

A Survey of California's Energy Goals

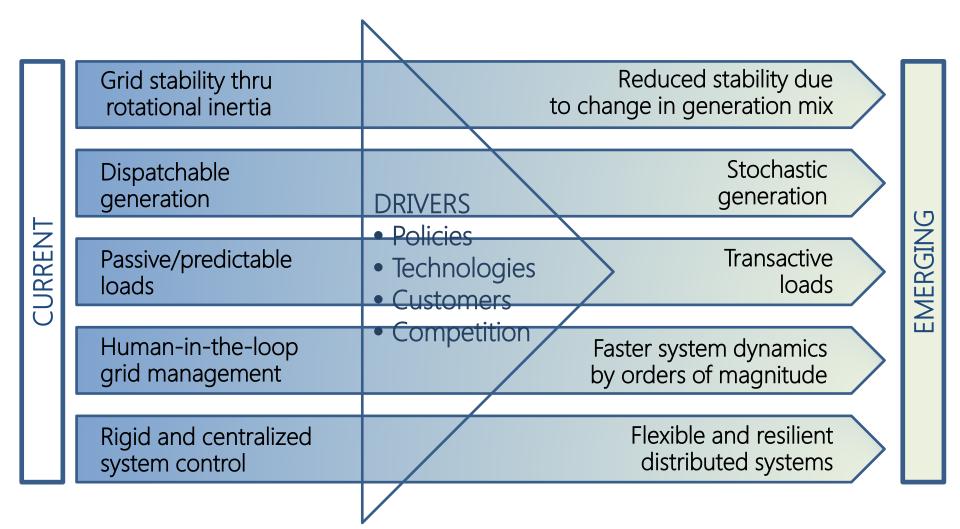








Electric Systems Face Fundamental Changes









The Electric Program Investment Charge

Funding & Allocation

- \$162M/yr in ratepayer funding (2013-2020)
- CEC administers 80% of the authorized budget; IOUs administer 20%

Approved Investment Areas

- Applied Research: \$55M/yr (CEC only)
- Technology Demonstration & Deployment
 CEC \$45M, PG&E \$15M, SCE \$13M, SDG&E \$3M (/yr)
 - Market Facilitation: \$15M/yr (CEC only)

Electricity System Value Chain

- Grid Ops / Mkt. Design
- Generation
- Transmission

- Distribution
- Demand-Side Mgmt







Select EPIC Requirements

- EPIC Annual Report & Project Final Reports The EPIC Administrators' annual report must include a final report on every project completed during the previous year, including a comprehensive description of the project, present detailed findings and results, a summary of all data collected and how the data may be accessed (D.13-11-025, OP 14)
- **Project Specific Approvals** EPIC Administrators may only fund projects or initiatives that have been approved by the Commission (D.15-04-020, COL 11)
 - IOU Administrators must file a Tier 3 Advice Letter to make material scope changes or add new projects (D.15-09-005, OP 1)
- Workshops & Symposiums EPIC Administrators shall hold workshops twice a year, both during the development of each investment plan and during its execution, to contribute to ongoing coordination and understanding among administrators, stakeholders, interested parties, and the California Public Utilities Commission (CPUC), while also raising awareness and visibility of EPIC investments and promoting EPIC program transparency (D. 12-05-037)
- Intellectual Property Except when valid reasons exist for confidentiality, the EPIC Administrators must make available upon request all data, findings, results, computer models and other products developed, consistent with the treatment of intellectual property requirements (D.13-11-025, OP 13)
 - IOU Administrators must file a Tier 3 Advice Letter to request a project-specific intellectual property waiver (D.15-04-020, OP 18)







Investor Owned Utility EPIC Framework

Key Drivers & Reliability Safety **Affordability Policies** • 33% / 50% RPS & Technologies Renewables and Distributed Energy Resources Integration • CSI CyberSecurity, Telecommunications, Standards • Gov's 12,000 MW Demonstrate Strategies & Technologies to Increase Renewable Resources on the Grid DG Plan Adaptive Protection Strategies OTC retirements Demonstrate Grid-Scale Storage Strategies & Technologies • AB32 Storage Mandates Strategies SB17 Aging Grid Modernization and Optimization Infrastructure Workforce Demonstrate Strategies and Technologies to Optimize Existing Assets **Cross Cutting/Foundational** Development Prepare for Emerging Technologies CA Economic Design and Demonstrate Grid Operations of the Future Smart Grid Architecture, Resiliency ZNE CSI Customer Focused Products and Services Enablement **Net Energy** Leverage the SmartMeter Platform to Drive Customer Service Excellence Metering Provide Greater Billing Flexibility & Visibility **Peak Reduction** • Integrate Demand Side Management for Grid Optimization Electric







Transportation

EPIC Investment Plan Timeline

Timeline	Date
CEC & IOU Scoping Workshop/Webinar	February 3, 2017
EPIC IOU Stakeholder Workshops	<u>PG&E</u> - March 9, 2017 <u>SCE</u> - March 24, 2017
Written Comments Deadline	March 31, 2017
File 3 rd Triennial EPIC Investment Plan	May 1, 2017

Please provide written comments by March 31st for both PG&E and SCE workshops to the following contacts:

- SCE: Advancedtechnology@sce.com
- PG&E: EPIC_info@pge.com
- SDG&E: FGoodman@semprautilities.com







IOU Contact Information

SCE EPIC Information and Contacts:

EPIC Website: www.sce.com/wps/portal/home/regulatory/epic/

– Email: Advancedtechnology@sce.com

PG&E EPIC Information and Contacts:

- EPIC Website: www.pge.com/epic

– Email: EPIC_info@pge.com

• SDG&E EPIC Information and Contacts:

EPIC Website: www.sdge.com/epic

- Email: FGoodman@semprautilities.com







Questions







