

Electric Program Investment Charge EPIC FALL WORKSHOP

**EPIC Fall Workshop
November 17, 2021
9:00 am-12:30 pm**

[Register Here](#)

Workshop Objective:

To promote awareness and visibility of the current EPIC investments, facilitate stakeholder engagement, improve coordination, and provide more transparency regarding research progress and results.

Program Administrators (PG&E, SDG&E, SCE, CEC) will provide portfolio updates on their EPIC 3 investments.

Investor Owned Utility Areas of Project Emphases in EPIC 3 Cycle:

- Prevention, mitigation, and supporting critical facilities during wildfire events
- Power System Modernization and Operations Advancement
- Demonstrating new capabilities to improve system operations
- Strategic use of unmanned aircraft systems to support operations
- Improving system reliability and resilience
- Improving operating efficiencies
- Demonstrating new safety capabilities
- Advancing energy storage technologies and their system integration
- Microgrid applications

Agenda:

9:00-9:10	Opening Remarks/Safety
9:10-9:40	PG&E EPIC 3 Portfolio Overview
9:40-9:50	PG&E Q&A
9:50-10:20	SDG&E EPIC 3 Portfolio Overview
10:20-10:30	SDG&E Q&A
10:30-10:35	5-minute break
10:35-11:05	SCE EPIC 3 Portfolio Overview
11:05-11:15	SCE Q&A
11:15-11:45	CEC EPIC 3 Portfolio Overview
11:45-11:55	CEC Q&A
11:55-12:25	Discussion
12:25-12:30	Closing and reminder on upcoming EPIC Events <ul style="list-style-type: none">- EPIC Symposium (December 14-15, 2021)- DAC Workshop (Q1 2022)

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PG&E EPIC 3 Projects

Project Number	Project Name
3.03	Distributed Energy Resource Management System (DERMS) and Advanced Distribution Management System (ADMS) Advanced Functionality
3.11	Location-Specific Options for Reliability and/or Resilience Upgrades
3.11b	Leverage Front of the Meter (FTM) and Behind the Meter (BTM) Distributed Energy Resources (DERs) for Customer Enabled Resilient Microgrids
3.13	Transformer Monitoring via Field Area Network (FAN)
3.15	Proactive Wires Down Mitigation
3.2	Data Analytics for Predictive Maintenance
3.27	Multi-Purpose Meter (MPM)
3.32	System Harmonics for Power Quality Investigations
3.41	Drone Enablement and Operational Use
3.43	Service Issue Identification- Leveraging Momentary Outage Information

SDG&E EPIC 3 Projects

Project Number	Project Name
Project 3	Application of Advanced Metering Infrastructure (AMI) Data to Advanced Utility System Operations
Project 4	Safety Training Simulators with Augmented Visualization
Project 5	Unmanned Aircraft Systems (UAS) with Advanced Image Processing for Electric Utility Inspection and Operations
Project 7	Demonstration of Multi-Purpose Mobile Battery for Port of San Diego and/or Other Applications

SCE EPIC 3 Projects

Project Number	Project Name
GT-18-0002	Advanced Technology for Field Safety (ATFS)
GT-18-0003	Storage-Based Distribution DC Link
GT-18-0005	Smart City Demonstration
GT-18-0008	Distributed Cyber Threat Analysis Collaboration
GT-18-0012	Advanced Comprehensive Hazards Tool
GT-18-0015	Vehicle-to-Grid Integration Using On-Board Inverter
GT-18-0016	Distributed Plug-In Electric Vehicle Charging Resources
GT-18-0017	Service and Distribution Centers of the Future
GT-18-0018	Control and Protection for Microgrids and Virtual Power Plants
GT-18-0019	Distributed Energy Resources Dynamics Integration Demonstration
GT-18-0035	Cybersecurity for Industrial Control Systems
GT-19-0005	Beyond Lithium-ion Energy Storage Demo
GT-18-0006	Next Generation Distribution Automation III (NGDA3)
GT-18-0007	SA-3 Phase III Field Demonstrations (SA3)
GT-19-0004	Wildfire Prevention & Resiliency Technologies (WP&RT)

CEC EPIC 3 Projects

CEC will present different projects representative of its R&D portfolio.