# How can you participate in the TA&D process?

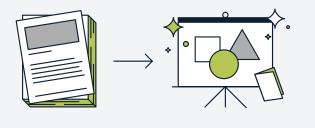
- Attend TA&D update meetings to gain valuable insights into the innovate research and development of current EPIC projects.
- Participate in technical discussions focused on how EPIC projects can contribute to SCE's current technology strategy.
- Collaborate with other SCE teams to deploy innovative technologies that support SCE's overarching corporate mission and goals.
- Integrate the learnings from these projects in your work and strategic activities that cut across SCE's business units.
- **Transfer the outcomes** from these research projects to SCE's current and future DER product development activities.

### **TA&D Project Lead**

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## Technology Assessment & Delivery

Transferring California's electric research activities into innovative products, programs, and services for Southern California Edison customers.

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### What is TA&D?

TA&D is a process developed by Southern California Edison (SCE) in collaboration with the Electric Power Research Institute (EPRI) for sharing the learnings from the California Energy Commission's (CEC) Electric Program Investment Charge (EPIC) projects.

TA&D reviews and presents opportunities from selected EPIC projects, distilled into engaging presentations and materials that provide real-time updates on the latest advancements in emerging technologies (ET) for electric systems and distributed energy resource (DER) innovation.

### What is the TA&D process?







### Perform a technical review

of all documentation, updates and presentations related to a specific EPIC project.

### Conduct interviews

with the EPIC Project Lead for a deeper understanding of the project goals, activities and current status.

understand narrative of the "story," including project goals, current findings and emerging opportunities.

Develop an easy to





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### Provide key stakeholders with comprehensive collateral

to inspire additional engagement.

### Create a visually engaging **infographic** to share real time findings and suggested next steps with key stakeholders at SCE.

### **Utilize a Logic Model**

customized for TA&D to identify missing pieces, leverage points, possible outcomes, and recommended actions.

## Which projects are now in the **TA&D** process?

There are five (5) EPIC projects that have immediate relevance for the first phase of TA&D. All five are managed by EPRI as the EPIC awardee, and are focused on demand response (DR) innovation – a dedicated area for SCE's Emerging Markets and Technology group.



### **Smart Inverters/Smart Consumer Devices**

Assess the ability of smart inverters and smart consumer devices to enable "grid-friendly" residential solar sitting on the distribution system.



### **Transactive Incentive Signals**

EPC 15-045

Develop a system to create and communicate transactive energy signals to facilitate more dynamic demand response from California utility customers



### **EV-Grid Solution**

Develop an integrated vehicle-to-grid communication system that improves grid stability, and reliability.



### **Customer Load Management**

EPC 15-075

Develop new technologies and applications that enable costbeneficial energy choices for the customer side of the meter.



### **DR Control Strategies**

EPC 16-026

Develop and pilot test flexible demand response control strategies for water pumping stations and industrial refrigeration plants.