



# EPIC 5 Strategic Goals, Kick-Off

# Path Foreword

- EPIC 4 is based on SCE's Re-Imagining The Grid Whitepaper
  - How to achieve the Pathway 2045 vision
- EPIC 5 should be based off the revision of the Pathway 2045 vision
  - Update in progress
  - Potential update of Re-Imaging the Grid whitepaper
  - Expected completion Q4 2023

# Proposed Pathway Pillars

- Environmental Risk
  - Wildfire
  - Extreme Weather
  - Geologic Activity
- Clean Power & Electrification
  - Localized Carbon Pricing
  - Carbon Capture and Storage
  - Clean Dispatchable Resources
  - Off-Shore Wind
  - Long Duration Energy Storage
  - Fast Charging Infrastructure
  - Residential EV Charging Infrastructure
  - Fleet and Commercial EV Charging Infrastructure
  - Industrial Electrification
  - Electrification of Water Management
- Strengthen and Modernizing the Grid
  - High Density Right of Ways
  - Undergrounding
  - Protection
  - Integrated Grid Planning
  - Grid Asset Degradation & Adaption
  - Physical and Cyber Security
- Operational and Service Excellence
  - T&D Infrastructure Buildout
  - Enhanced Field Safety
  - Automated Workforce
  - Complex Interdependent System Operations Standards
- ❖ Changing Customer Perspective (Partnership)
  - Understanding Customer behaviors (CEC)
  - Customer Technology Adoption (IOU)

# The desired outcomes of EPIC funds

- The desired outcome of EPIC demonstration projects is to gain insights (key lessons learned), which can be incorporated into future pilots and then integrated into future operations and standards.