



Resilience and Equity Planning Framework for Utilities and State Energy Offices

OBJECTIVES

1. **Facilitate state energy offices and electric power utilities** to plan for and deploy carbon free and resilient energy projects.
2. **Enhance statewide energy and utility planning** by overlaying resilience and equity data with grid data to identify energy storage, solar PV, microgrids and other non-wires alternatives.

CRITERIA

Utility Planning & Operations

- Distribution Substation and Circuit Location
- Reliability Statistics and Worst Performing Circuits
- Load Projections and Hosting Capacity



Community Lifelines & Essential Customers

- CISA Critical Infrastructure Sectors
- FEMA Community Lifelines
- Essential Customers from Homeland Infrastructure Foundation-Level Data
- SNAP Retailer Locator
- Rx Open Facility Map
- U.S. EPA's Facility Registry Service
- State Agency Critical Infrastructure and Facility Lists
- Utility Critical Customer Lists



Natural Hazard Risks

- FEMA National Flood Hazard Layer
- FEMA National Risk Index
- State and Local Natural Hazard Risk Data
- Historical Natural Hazard Events
- State and Local Hazard Mitigation Plans



Energy Equity & Environmental Justice

- WHCEQ Climate and Economic Justice Screening Tool
- IRA-Defined Energy Communities
- U.S. Census Bureau Demographic and Economic Data
- State and Federally-defined Disadvantaged Communities
- Public Health Indicators
- Opportunity Zones



OUTCOMES

- Data driven clean energy policies and programs for target areas and customers
- Prioritized distribution circuits for win-win customer and utility resilience and reliability investments
- Roadmap of projects to pursue state and federal funding for clean energy and resilience