Antelope Valley EDGE
SCE Power for the Future

October 29, 2024

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Antelope Valley EDGE
SCE Power & Incentives

Agenda:

- SCE Power Forecasting & Load Growth in AV
- Power Site Search & DRPEP Circuit Capacity
- EV Programs
- Economic Development Services
- Q&A

SCE: Economic Development Services

Tod Sword

Economic Development Advisor

What:

- *Attract Businesses*
- *Retain Struggling Businesses*
- *Expand Businesses*

How:

- *Power*
- *Economic Incentives*
- *Project Streamlining*

Why:

- *Grow Economy*

SCE Territory: Service Regions*

15 Counties, 430 cities, 13M people
5,000 large businesses
280,000 small business
50,000 square miles

<u>* Excludes the following cities:</u>

- **Los Angeles**
- **Riverside**
- **Anaheim**
- **Glendale**
- **Burbank**
- **Pasadena**

SCE Teams

Distribution System Planning/Engineering *– Responsible for developing the annual 10-year system capacity plan and related system upgrades (new substations, new circuits, etc.)*

Local Planning *– Panel upgrades, Solar, Temp Power, SCE designed residential (4 lots or less), SCE designed Commercial & Industrial*

New Development Planning *– 5 lots or more, associated Residential, Commercial & Applicant Design*

Real Properties *- Easements*

Economic Development Services *– Providing consulting services at no cost to assist with business retention, expansion, and attraction by advising on available incentives, tools, and programs to help businesses grow in Southern California*

Customer Engagement Division *– Customer Service Team of Account Managers and Field Engineers supporting Business Customers*

Local Public Affairs *– Stakeholder engagement for SCE business and policy priorities. Form strategic partnerships with government and community decision-makers (Elected Officials, City Manager, Senior Public Works Staff, Chambers of Commerce President)*

SCE's System Planning Process

- Southern California Edison (SCE) performs annual system evaluation to address the changing power needs throughout its service territory.
- System capacity plans are developed on a 10-year forecast based on information provided by customers and load forecasting methodologies.
- Accurate and timely customer information is crucial to system planning evaluations.
- **Contact SCE as early as possible to initiate discussions with planning on power service needs.**

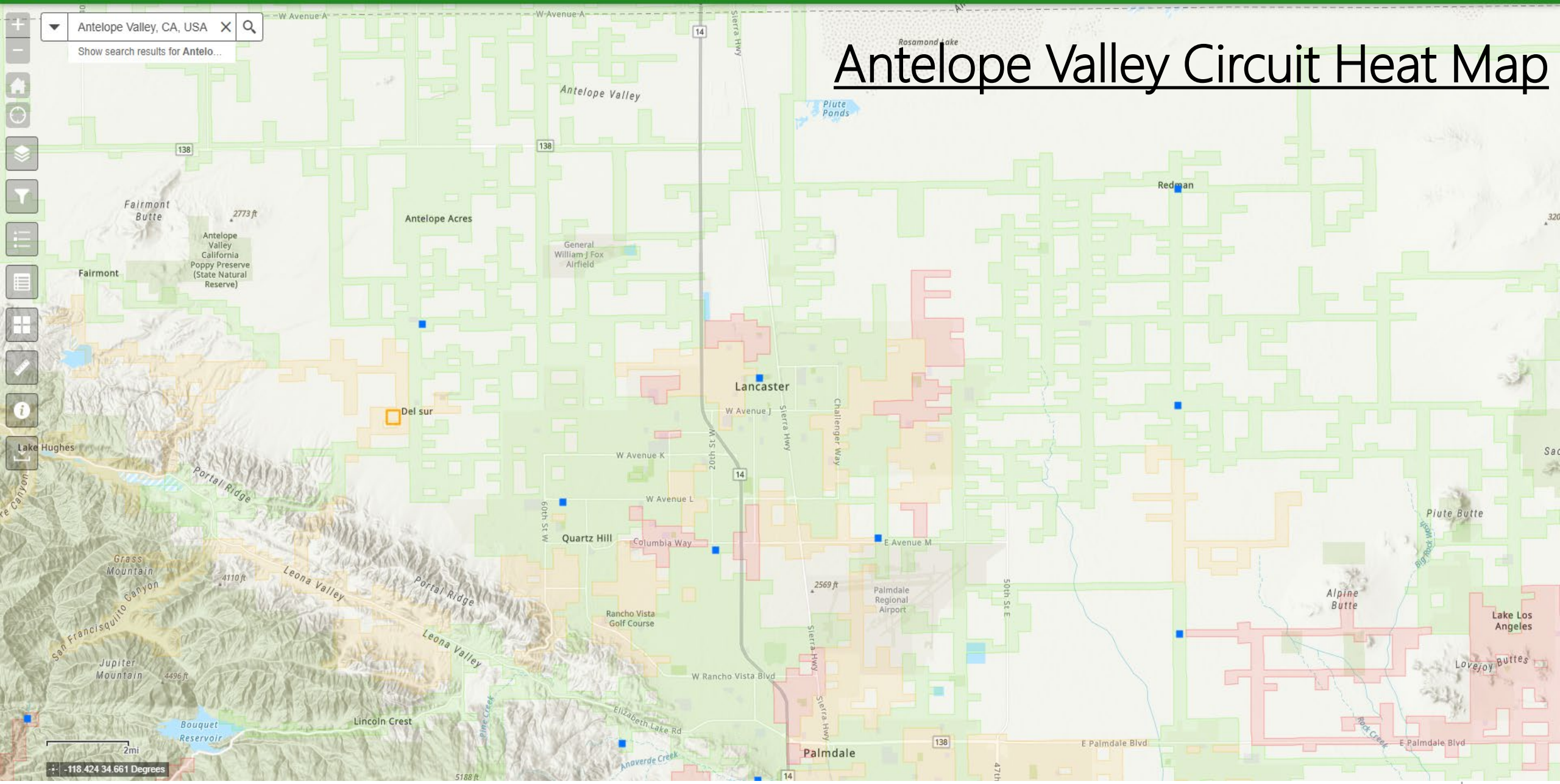
SCE's Forecasting Process

- SCE's forecasting team is actively engaged with internal and external stakeholders to make sure to build a forecast that reflects current and more likely program and policies and development plans which impacts the grid
- SCE's forecasting team uses different data sources for forecasting the future DER (Distributed Energy Resource) load such as
  - Customer Data such as historical customer usage and DER adoption such as electric vehicle
  - Demographic and Socio-Economic Data
  - Customer program and survey participation results
  - Existing Project development impact
  - Short and long-term customer plans on DER adoption such as building EV charging sites

Historic Growth

- As the industry continues to electrify and build new facilities, we are seeing an increase in the number of requests from customers looking for electrical capacity.
- Grid upgrades are sometimes needed to create capacity to accommodate power service needs.
- SCE is a public utility, regulated by the California Public Utilities Commission (CPUC).
  - We are responsible for the prudent expenditure of customer funds.
  - Constructing infrastructure upgrades, where load does not materialize as expected, will harm customers in the form of increased rates.
  - As a regulated utility, SCE must show with sufficient confidence that upgrades are required.
- Depending on the magnitude of the load requested, SCE may need to evaluate the distribution and transmission system as a whole to safely and reliably energize new customer load.
  - These requests typically follow a Method of Service Study process, separate from the Engineering Study Analysis mentioned in the next slide. More information can be found here: Expansions & New Facilities | Consulting Services | Partners & Vendors | Home - SCE

Antelope Valley Circuit Heat Map



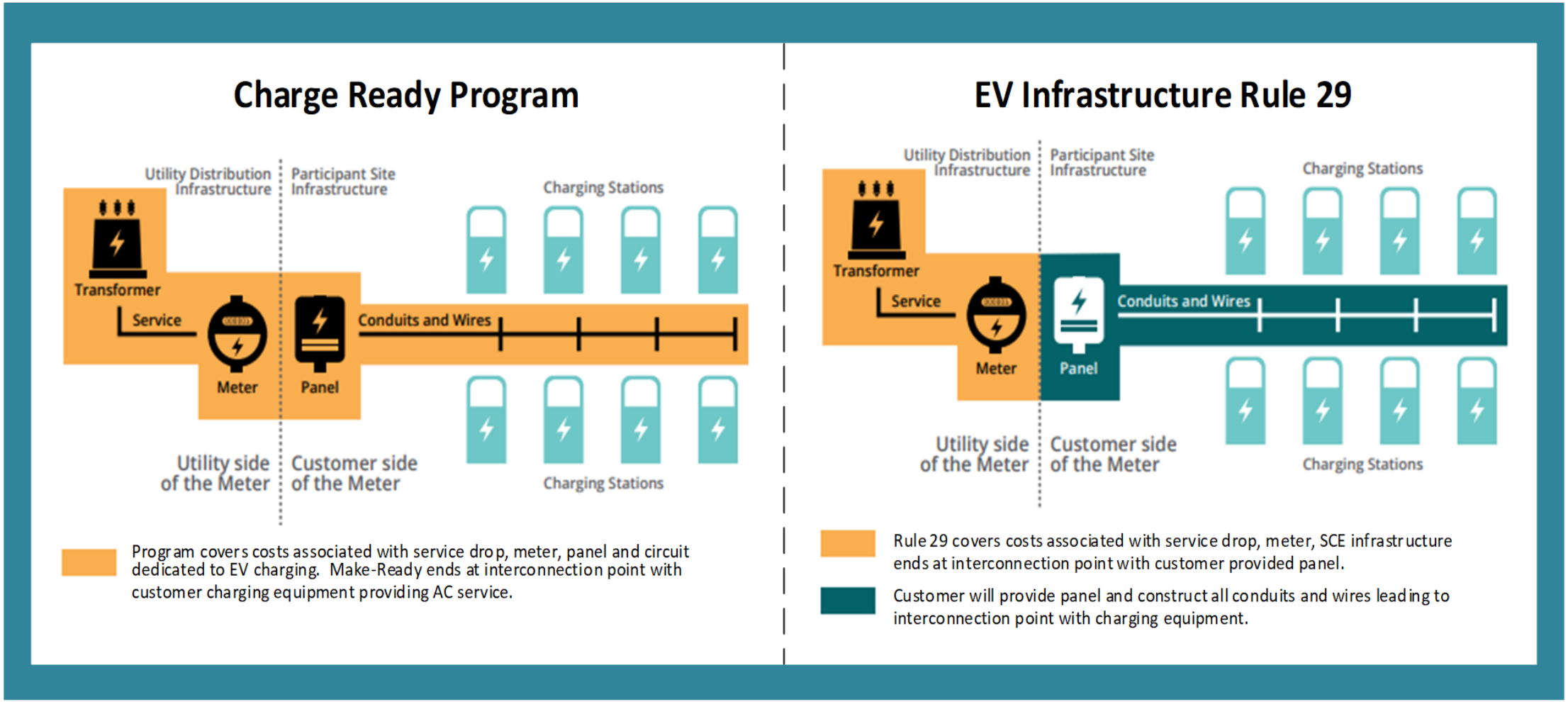
Load Growth – System Upgrades for Antelope Valley

Targeted Operating Date	Project Type	Project Description	Status
6/2025	Two DSP circuit	Del Sur circuit capacity projects (Northwest Lancaster)	In Construction
6/2027	Two DSP circuit	Lancaster circuit capacity project (Central and North Lancaster)	In Design
6/2027	One DSP circuit	Shuttle circuit capacity project (Quartz Hill & West Palmdale)	In Design
6/2025	One circuit upgrade	Little Rock circuit upgrade project	In Construction
6/2026	One circuit upgrade	Oban 12 kV circuit upgrade (North Lancaster)	In Design
6/2026	One circuit upgrade	Beone 12 kV circuit upgrade (Northwest Palmdale)	In Design
6/2026	Multiple circuit upgrade	Anaverde circuit upgrade (West Palmdale)	In Design

Reliability– Upgrades for Antelope Valley (Palmdale & Lancaster)

Targeted Operating Date	Project Type	Project Description	Status
12/2025	Covered conductor	12 circuits and 6.7 miles of covered conductor upgrades	In Design
12/2025	Circuit reliability	Big Pines circuit tie reliability upgrade	In Design
12/2025	Circuit automation	22 circuits receiving circuit automation projects	In Design
12/2026	Circuit resiliency	2 circuit and 5 miles of proactive undergrounding	In Design

Customers Have Multiple Ways to Partner with SCE for EV Infrastructure



***No Dual Participation Allowed**

Economic Development Services (EDS)

- **Economic Development Rate (EDR)**
- **Local, State, and Federal Tax Incentive Information**
- **State and Federal Tax Credit**
- **Training Programs**
- **Assistance from Local, County, and State Agencies**
- **Site Selection Assistance**
- **Access to Capital, Financial Programs, and Incentives**
- **SCE EV Programs**

Economic Development Rate (EDR)

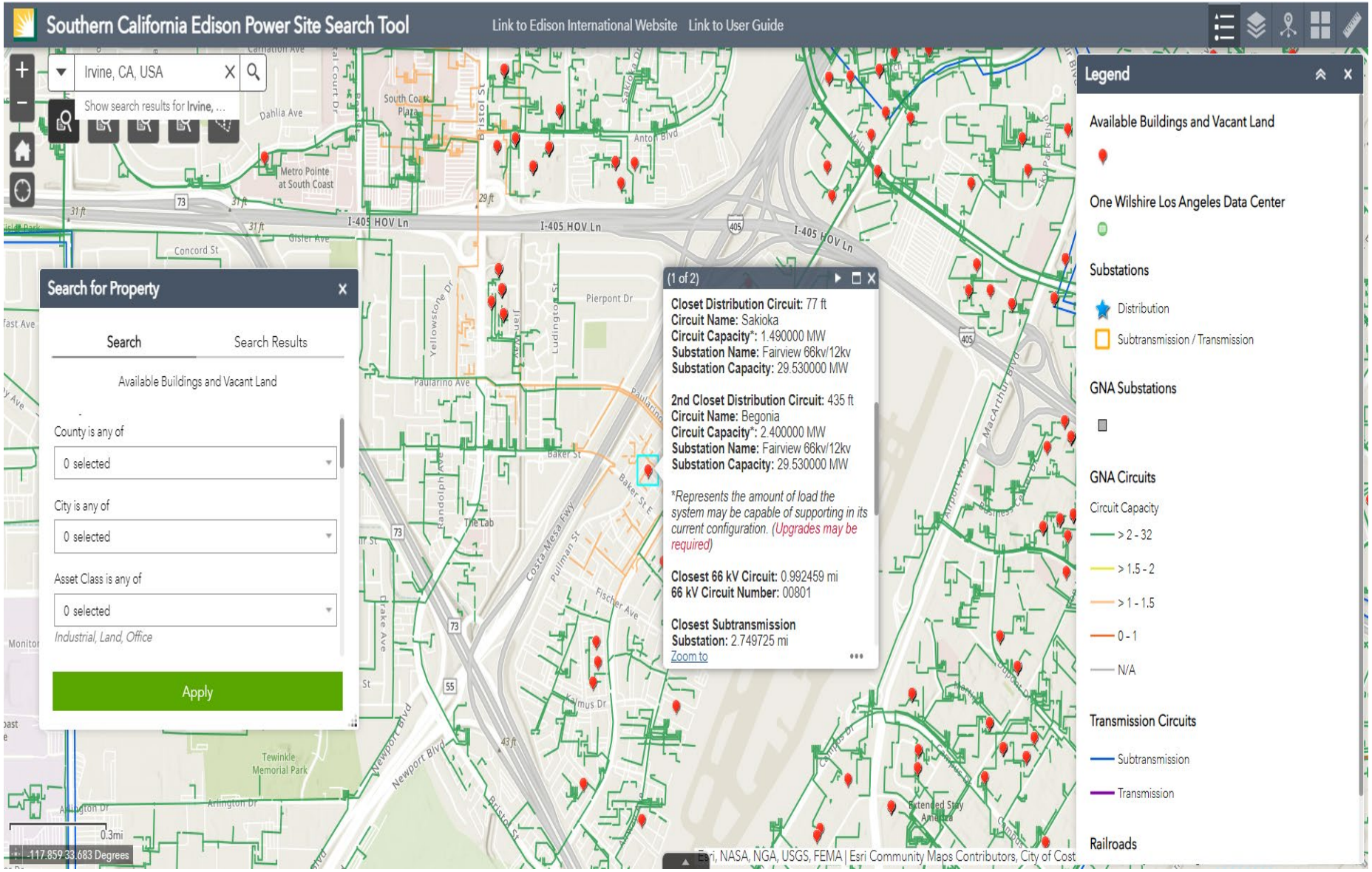
Incentive available to commercial and industrial customers, allowing them to remain, expand, and/or locate to California.

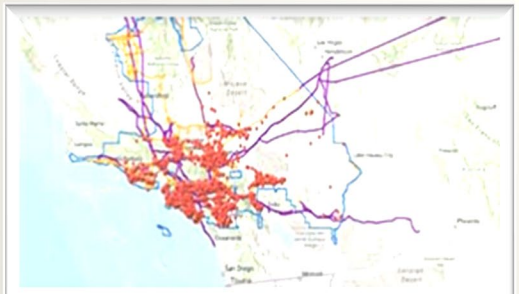
- Program Description:
- **12% Energy Discount** per year for **5-Years** (Attraction, Retention, Expansion)
- Program Cap: Combined load cap of 200 MW (90 MW available)
- Program Eligibility: Non-residential, Non-governmental customer with combined load over 150 kW
    - Accounts under 150 kW may be combined if they are located within the same industrial/business center
- Small Businesses: 20 Small EDR applications available for businesses using less than 150 kW (1 available)

SCE's GIS Power Site Search Tool

SCE Circuit Capacity & Infrastructure

www.sce.com/economicdevelopment





GIS Power Site Search Tool

Looking to expand your business in Southern California? Our GIS Power Search Tool can help your company locate power and broadband fiber ready sites in SCE's territory.

Learn More ›

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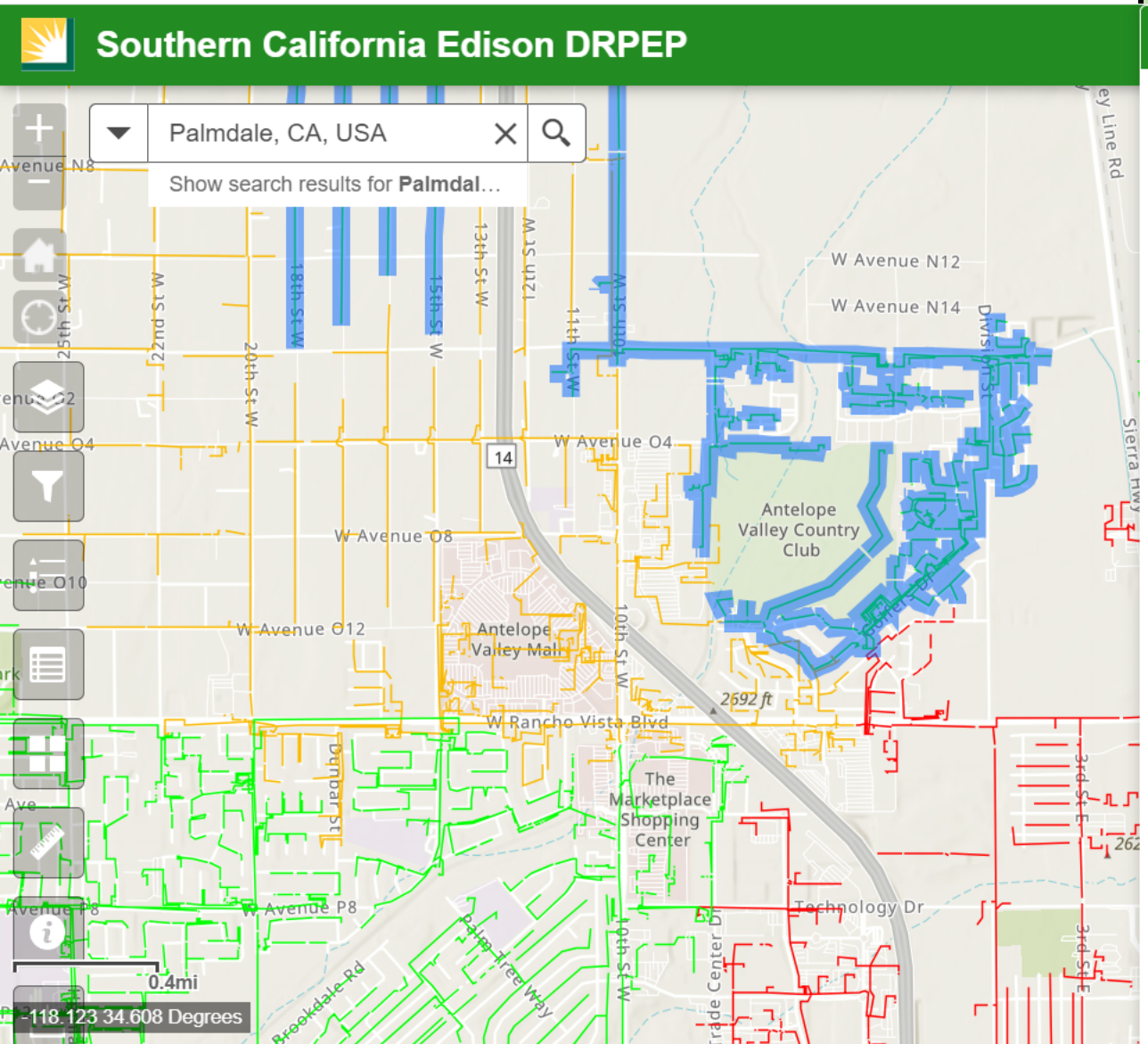
SCE's DRPEP Tool

SCE Circuit Capacity & Infrastructure

DRPEP is an interactive web portal that provides public access to general locations of SCE distribution circuits and substations, including electrical load and Distributed Energy Resources (DERs) hosting capacity by circuit. Visit: **https://drpep.sce.com/drpep**



Circuit Name	Vadar
Circuit Voltage (KV)	12
System Name	Antelope 220/66
Substation Name	Shuttle 66/12 Kv
Date of Last Update	10/23/2024
Plan Year	2024

Available Load Capacity -Substation and Circuit

Available Load Capacity - Circuit (MW)

	2024	2025	2026	2027	2028
Initial Estimated Circuit Available Load Capacity	4.45	4.36	4.42	4.48	4.54
New Load Capacity Requests	N/A	N/A	N/A	N/A	N/A
Estimated Circuit Available Load Capacity	4.45	4.36	4.42	4.48	4.54

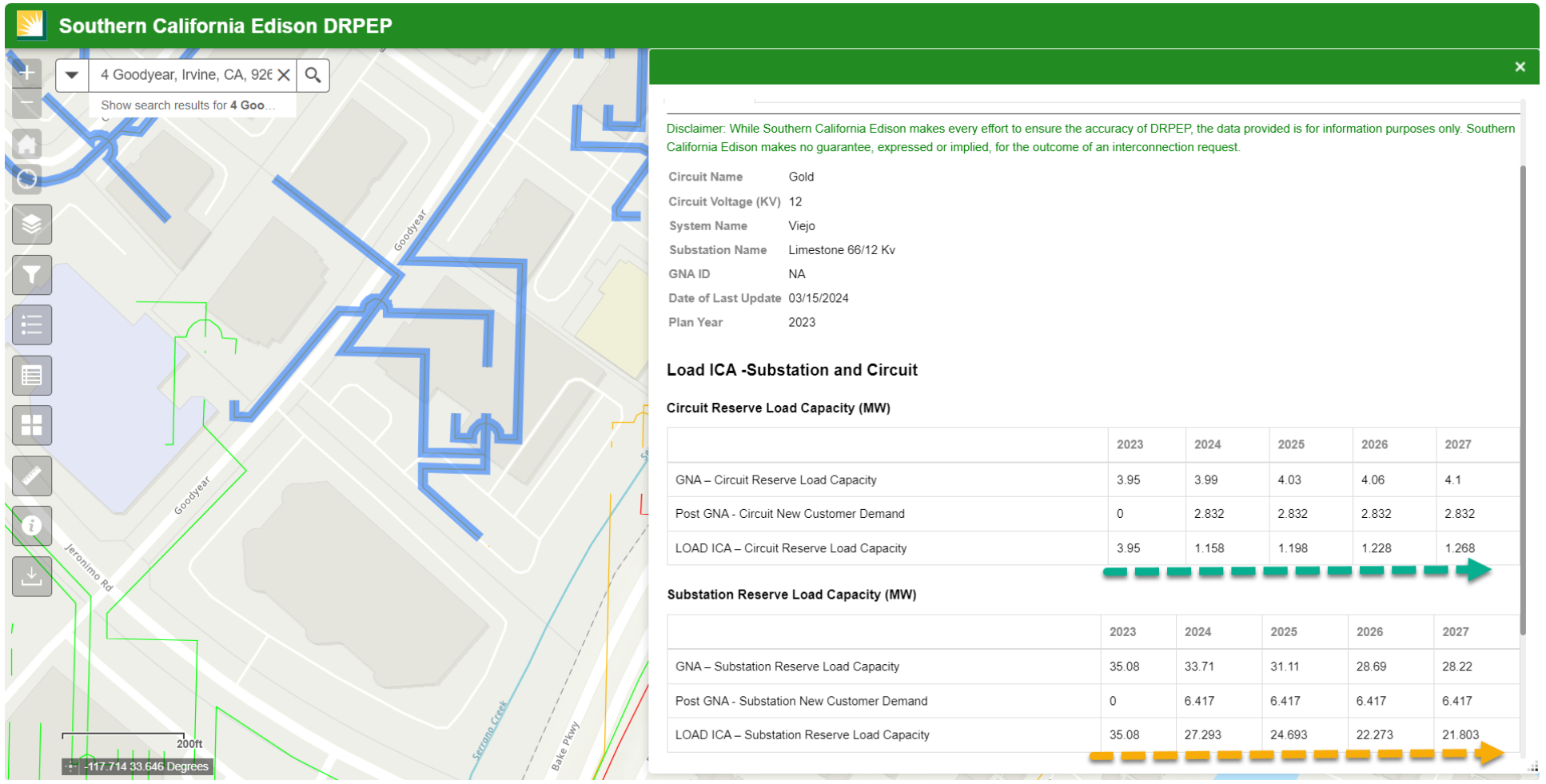
Available Load Capacity - Substation (MW)

	2024	2025	2026	2027	2028
Initial Estimated Substation Available Load Capacity	10.47	11.41	10.6	26.16	22.48
New Load Capacity Requests	0	3.556	4.276	4.276	4.276
Estimated Substation Available Load Capacity	10.47	7.854	6.324	21.884	18.204

SCE's DRPEP Tool

https://drpep.sce.com/drpep/

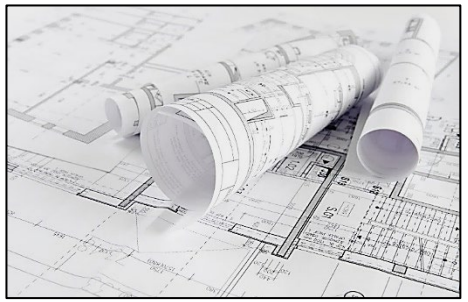
SCE Circuit Capacity & Infrastructure



An additional resource for capacity information is the Distribution Resource Plan External Portal (DRPEP) search tool. DRPEP is an interactive web portal that provides public access to general locations of SCE distribution circuits and substations, including electrical load and Distributed Energy Resources (DERs) hosting capacity by circuit. Visit: **https://drpep.sce.com/drpep**

Optional Capacity Study

- Customers may request an Engineering Analysis Report to determine if capacity is available at the requested location as well as a timeframe for building new infrastructure, if needed, to meet the customers power needs.
- The cost for a study is **$2,000** and takes approximately 6 weeks to complete.
- The study does **NOT** reserve power but is intended to provide customer direction for planning their project.
- Prior to requesting a Load Capacity Study, customer should use the Load ICA Substation & Circuit Layer in SCE's DRPEP- https://drpep.sce.com/drpep/



**Additional Fees may apply for projects deemed to be speculative*

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Home > Partners & Vendors > Consulting Services > **Power Requests**

Working with SCE for Your Power Needs

How SCE Can Help You Get Power for Your Project

Whether you need more power for your existing facility, a new construction, or an electric vehicle charging station, you can count on SCE to assist you.

Requesting or upgrading power can seem like a long and complicated process, but by planning ahead, you don't have to do it alone. SCE has experienced teams who will guide you through every step of your project.

To begin, review the two-step process below and find out who to contact, what to expect, and what resources are available.

Power Requests (sce.com)

Feedback

Step 1

Q&As

THANK YOU

Economic Development Services Team

EDS Manager	Mike Nuby	(626) 633-3251
Northern Regions	EconomicDevelopment@sce.com	
Riverside and San Bernardino County	Troy Nguyen	(626) 222-6185
Orange County	Tod Sword	(310) 508-2166

Los Angeles County

• **San Gabriel Valley**	Troy Nguyen	(626) 222-6185
• **Gateway Cities**	Tod Sword	(310) 508-2166
• **South Bay and Westside**	Tod Sword	(310) 508-2166
• **San Fernando**	EconomicDevelopment@sce.com	
• **Antelope Valley and Santa Clarita**	Tod Sword	(310) 508-2166

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Thank you
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