

RICAPS Monthly Meeting

August 27, 2024



Agenda



1:30-1:35- Welcome & Agenda Review

1:35-1:45- Announcements

1:45-2:00- Green Business Program Update

2:00-2:15- Jurisdiction Round Robin

2:15-2:35- Regional Funding & Collaboration: Bay Area Air Quality Management District

2:35-2:55- EV Charging Planning Discussion

2:55-3:00- Closing



Welcome and Announcements



Announcements: Inventories



- County to post summary page snapshot of inventories for ALL cities end of September on Sustainability Department's webpage
 - If you haven't already, please let Avana know if you have questions or concerns

- **2023 inventory data is ready from PG&E!** Avana will be sending out an email to all cities asking you to respond to that email with language authorizing the release of that data to Rincon so Emily may do your inventory



Facilities Working Group: Electric-Ready for BAAQMD Requirements Workshop

- Hands-on workshop
- BAAQMD rules require zero-NOx (electric) installation of water heaters and furnaces by 2027; 2029
- How to assess electrical capacity and plan for electrification
- **Ask- encourage your facilities staff to attend the workshop at Brisbane on Thursday, August 29**





SAN MATEO COUNTY
**Sustainability
Department**



The Green Business Program and YOUR City!

August 27th, 2024

Matt Goldberg
Sustainability Specialist
Sustainability Department

Bryton Mays
Bilingual Green Business Coordinator
Environmental Innovations



Who's heard of the Green Business Program or seen this logo before?

GREEN

**CALIFORNIA
GREEN BUSINESS
NETWORK**

SAN MATEO COUNTY



What you need to know

Technical Assistance



- Foodware
- On-the-ground representative for compliance
- Otherwise inaccessible



Recognition



- Board of Supervisors signed certificate
- Window and Digital Decal
- Extra exposure (directory, newsletter highlights and more)



Funding Support



- Financial incentives for resiliency upgrades, water conservation and anything related to the checklist (First come first served basis)
- Financial resource assistance







SMDAILYJOURNAL.COM

Duo helping to green Broadway in Burlingame

In recent months, rising high school senior Anjuli Mishra and local business leader John Ke...



7 Focus Areas

...



Energy Efficiency



Pollution Prevention



Wastewater



Waste Reduction



Community



Transportation Plan



Water Efficiency





SAN MATEO COUNTY
Sustainability
Department



Impact Tracking

GREENHOUSE GAS EMISSIONS SAVED



1,004,626 lbs of CO2
total \$ savings of
\$1,708

=

That's the equivalent of
planting **1,561** acres of
urban trees



ELECTRICITY SAVED



1,098,559 kWh total \$
savings of **\$111,306**

=

That's the equivalent of
powering **100** houses
for an entire year



SOLID WASTE DIVERTED



607,393 lbs of waste
total \$ savings of
\$40,786

=

That's the equivalent of
37 garbage trucks
worth of diverted
waste



WATER SAVED



1,081,522 gallons of
water total \$ savings of
\$3,401

=

That's the equivalent of
25,749 bathtubs of
fresh drinking water



FUEL SAVED



1,473 gallons of fuel
total \$ savings of
\$5,654

=

That's the equivalent
of removing **2** cars off
the road



HAZARDOUS WASTE REDUCED



328 gallons of
hazardous waste total \$
savings of **\$209**

=

That's the equivalent of
5 fifty-five gallon
drums of hazardous
waste



Join your
Green
Business
Community
and find
your local
champions



Actions you can take

Get Certified



- Certify one or more of your municipal offices



Spread the word & Celebrate success



- Put it on your website
- Newsletter or your own version
- Carry marketing materials for your internal office
- Come to mixers



Build it into your plan



- Add it into your CAP



... Integrating the Green Business Program into Climate Action Plans

Community Climate Action Plan:

- Expand the reach of the San Mateo County Green Business Program to support 10% more small and medium businesses and establish a GHG reduction goal specifically for unincorporated businesses. Proactively recruit historically underserved businesses and identify opportunities to simultaneously share information about other retrofit/upgrade programs.

Government Operations Climate Action Plan:

- Certify County Departments as Green Businesses. Support all County Departments in getting certified under the Green Business Program, where feasible.





Questions?

Bryton Mays, Green Business Coordinator
Bmays@Environmentalin.com
Cell: (984) 960-8927

Matthew Goldberg, Sustainability Specialist
mgoldberg@smcgov.org



Regional Funding & Collaboration: Bay Area Air Quality Management District

Abby Young

Climate Protection Manager

Bay Area Air Quality Management District





BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Bay Area Regional Climate Action Planning Initiative

Phase 2 – Development of a
Comprehensive Climate Action Plan

RICAPS Meeting – August 27

Regional Collaboration Discussion- BARCAP



- **Provide your input to help shape development of regional climate action plan**
 - *Funding roadmaps and coalitions to pursue implementation of measures (and funding if needed)*
- **Respond to several questions in Mural activity**
 - *Regional collaboration models and resources*
 - *Obstacles and challenges to reduce GHGs in buildings and electricity generation*
 - *Possible solutions to these obstacles and challenges*
- **Air District will use your feedback to further refine priority areas for measure development**



EV Charging Planning Discussion

August 27, 2024

Avana Andrade
Senior Sustainability Coordinator, Office of
Sustainability, County of San Mateo



EV Charging Planning Needs?



1. Does your jurisdiction currently actively plan for where EV infrastructure gets built?

1. If so, what does this process look like?
Timing, people/departments involved...
2. How does a site get selected?
3. Who are the companies involved?
4. Have you collected any data or received input from residents in your city about EV infrastructure barriers?
5. Is there any missing information in this process? What do you wish you had more capacity to do?



Break out groups - 10 minutes



Small Group Shareout



Example EV Infrastructure Plan Contra Costa County



Identifies existing and required infrastructure

Map existing infrastructure and identify gaps/needs

Generate strategies/ framework for moving infrastructure forward

Table 8. Comparison of Current County EVSE Availability with Projected Needs from the CEC Study

	Workplace Level 2		Public Level 2		Fast Chargers		Total ²²	
	Low	High	Low	High	Low	High	Low	High
Projected need by 2025 (Source: CEC)	1,195	1,507	2,107	2,420	352	674	3,654	4,601
Current number of plugs (Source: Plugshare, as of March 2019)	221 ²³		342		52		615	
Percentage of projected need already built	15%–18%		14%–16%		8%–15%		13%–17%	

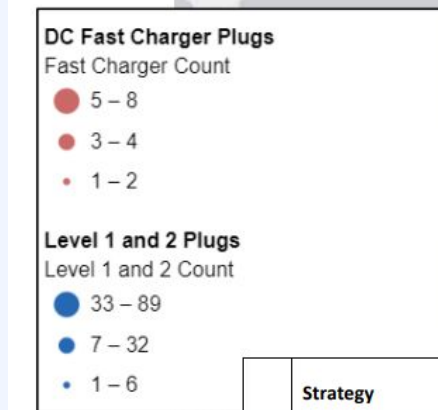
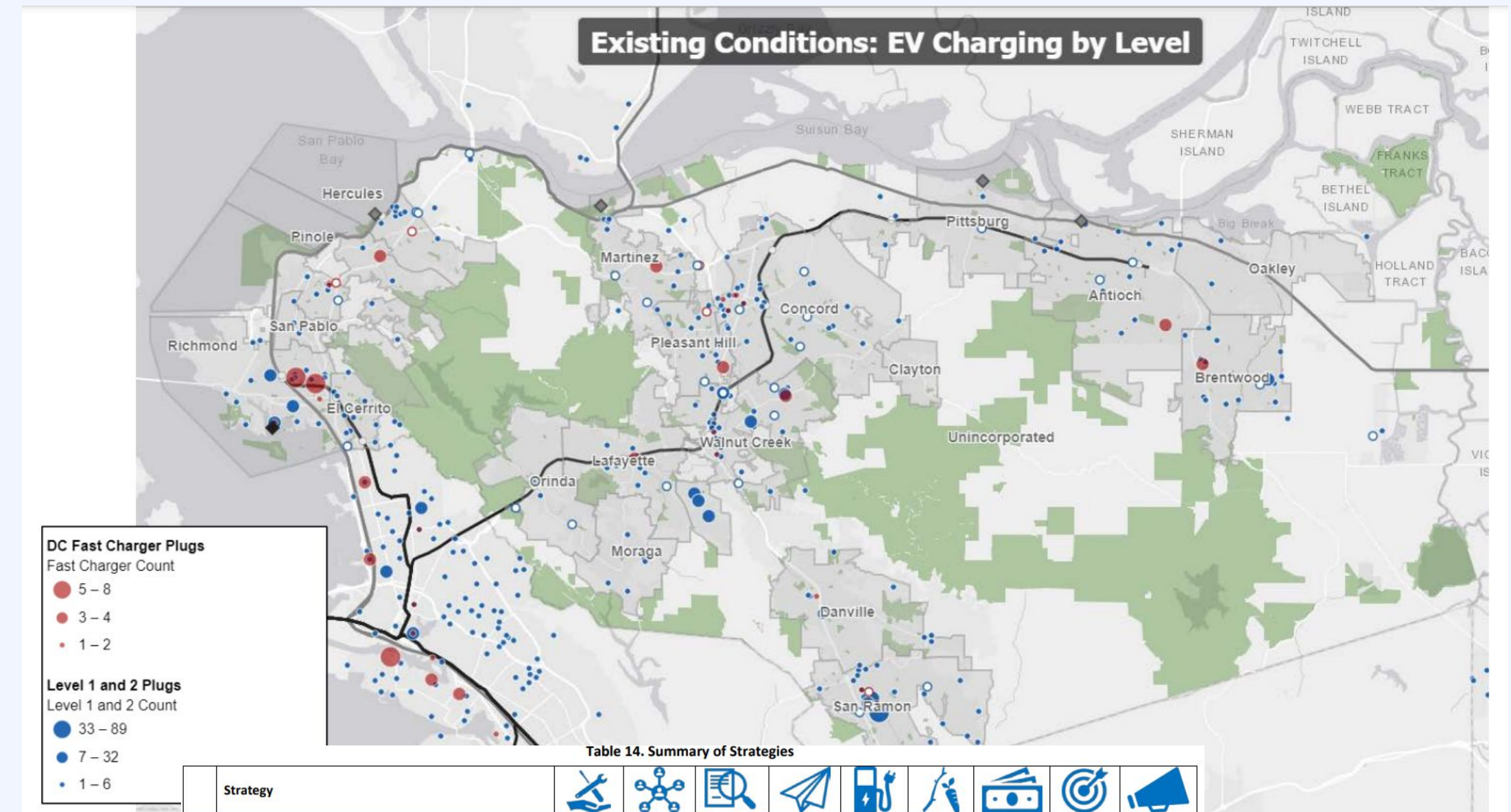


Table 14. Summary of Strategies

Strategy	Icon 1	Icon 2	Icon 3	Icon 4	Icon 5	Icon 6	Icon 7	Icon 8	Icon 9
Continuously Assess Needs									
Install Infrastructure in Priority Areas									
Implement Low-Income Customer Outreach and Education Program									
Amplify Regional Outreach to Consumers, Site Hosts, and Other Entities									
Adopt and Promote EV Reach Codes									
Adopt and Promote Streamlined Permitting									
Contribute to a Regional Charging Network and Engage in Statewide Policy									
Integrate EV Readiness with Growth Management									
Track Progress									
Electrify County Fleets and Encourage Fleets Within Jurisdictions to Electrify									
Implement Scalable Shared, Electric, Connected, and Autonomous Vehicle Pilots									
Expand Pilot Programs to Provide Electric Mobility Services to Underserved Populations									
Integrate EV Carpool and Shuttle Services into County 511 Programs									
Incorporate EV Resilience Planning into County Preparedness Strategies									
Pilot Wireless Inductive Charging on Streets									
Implement and Enhance Shared Mobility Hubs with Electric Options									
Explore Options to Disincentivize Usage of ICE Vehicles and Incent Their Replacement									

Example EV Infrastructure Plan

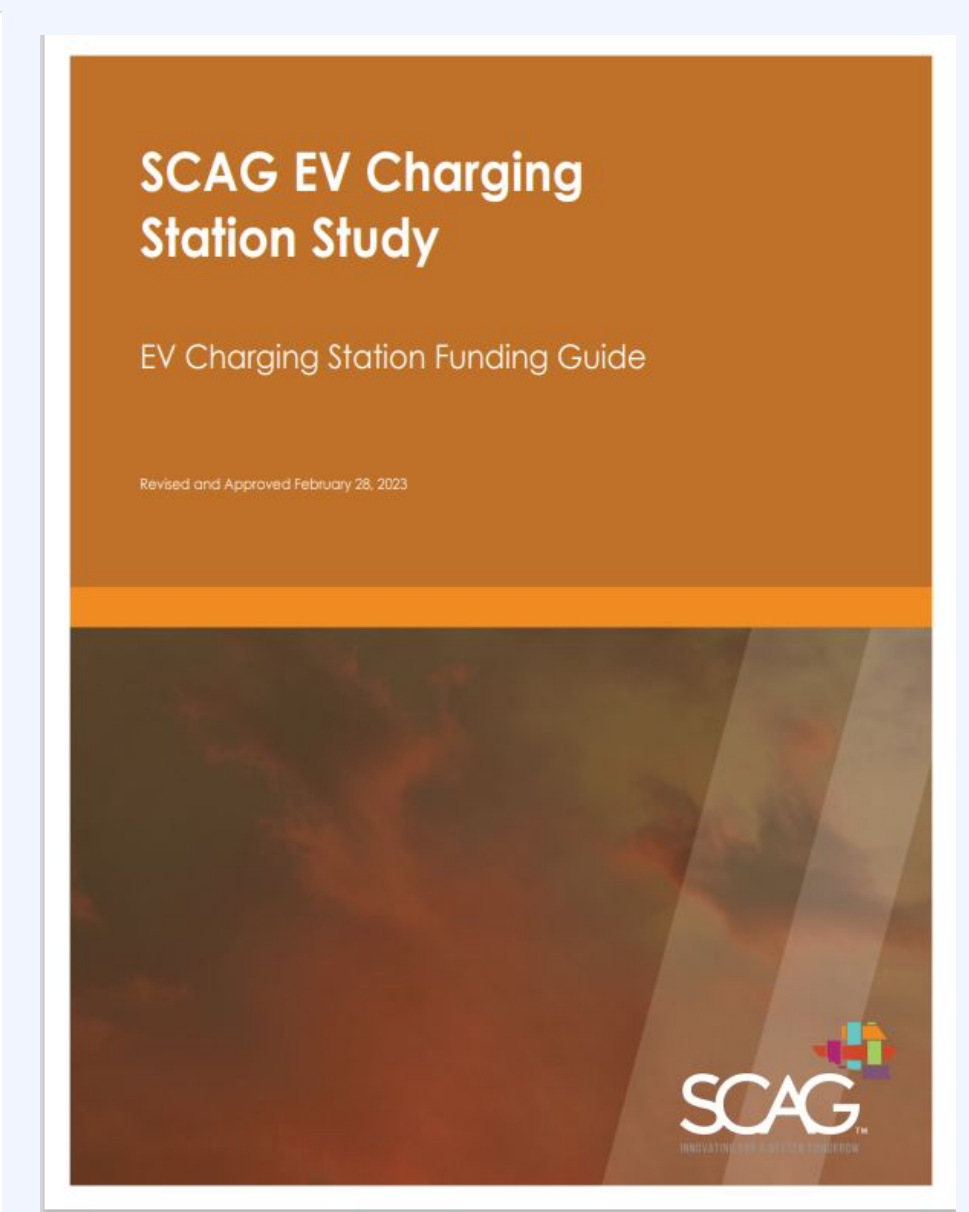
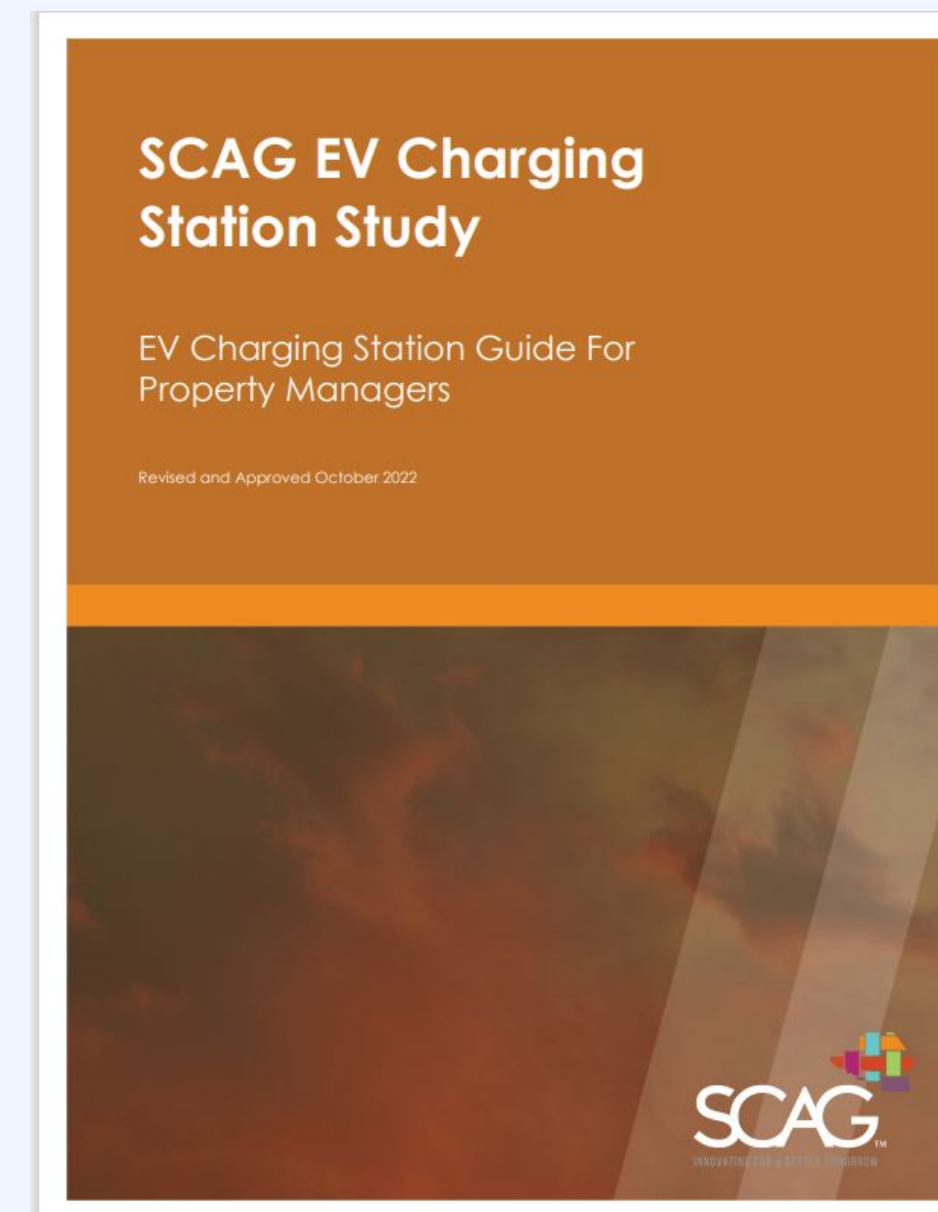
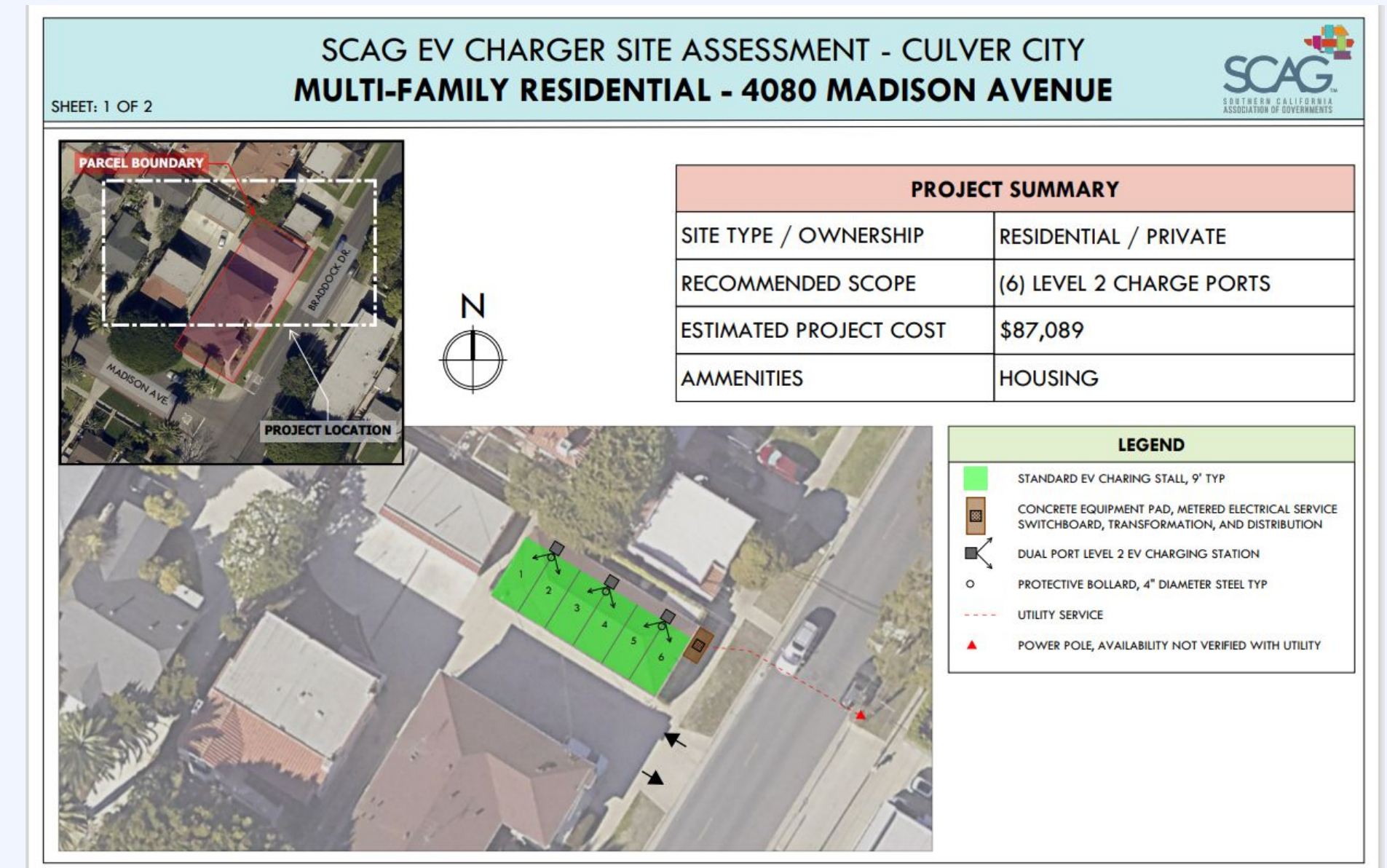
Culver City



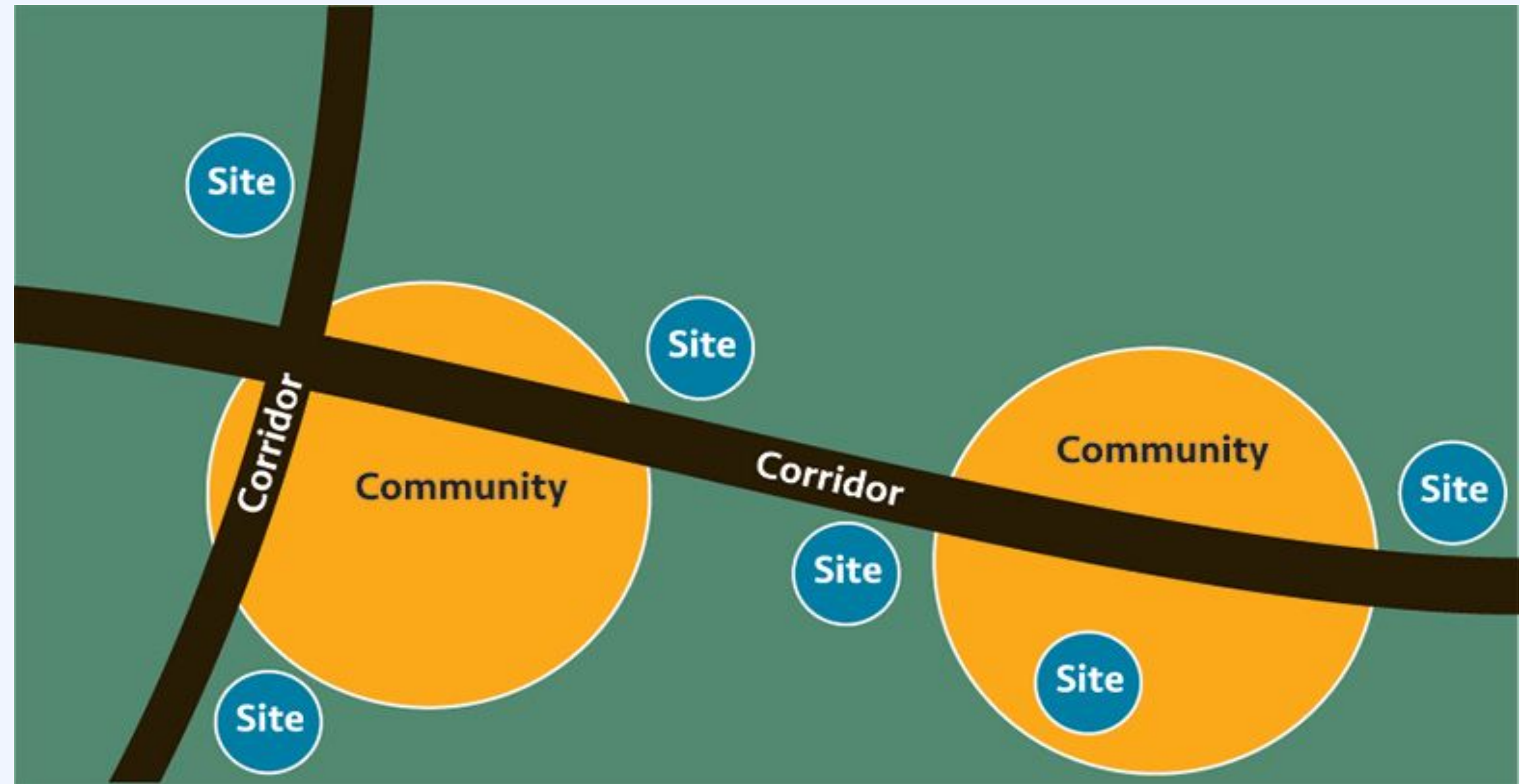
Identifies existing and required infrastructure

Site Level Analysis and Planning

Guide for Property Managers
EV Funding Guide



Types of EV Infrastructure Planning



<https://www.transportation.gov/rural/ev/toolkit/ev-infrastructure-planning/planning-types#corridor-level-planning>

- **Corridor-level planning** supports infrastructure along roads and highways that facilitate inter-regional travel.
- **Community-level planning** considers infrastructure solutions to meet the diverse needs within a particular region or town.
- **Site-level planning** focuses on the procurement and installation of EV chargers for a predetermined location.



Group Reflection - 10 minutes



What do you think is a city's biggest role when it comes to EV charging installation?

1. Permitting?
2. Location Identification?
3. Ownership Structure?
4. Funding?
5. Other Barriers?



1. Final
Reflection
questions

1. What kind of analysis would be helpful?
2. What level of EV charging planning makes most sense for this group to focus on?



Thank you!



Key Questions Addressed in the Explainer

...



What causes power outages?



Will building and vehicle electrification cause more power outages?



What should local governments do to meet climate goals while keeping the grid resilient?



This explainer can be used as a communication tool for:

- Public
- Electeds
- City staff





1. How do you envision using this explainer?
2. How will you use this information to support building electrification?
3. Who else would benefit from this information?
4. What format would be most useful for you to distribute this information (e.g. hard copy; PDF on website)?



Discussion/ Questions



Methane Gas Catalog Tool Roadmap

- Final report to be released in August
- Purpose: Show findings on existing gas equipment in City facilities from pilot group bring roadmap forward to electrify equipment
- Target Audience: City staff, public works/ facilities, electeds, sustainability staff



San Mateo County Municipal Electrification Roadmap

Methane Gas Catalog Tool

prepared with the assistance of

Rincon Consultants, Inc.
449 15th Street, Suite 303
Oakland, California 95612

Willdan
1939 Harrison Street, Suite 430
Oakland, California 94612

May 2024



Break! Please Return In
10 minutes

