



CONSTRUCTION NETWORK

Connecting Owners to AEC and CM Industries

Facility Electrification

3/4/25

Learn what owners are doing to achieve the goals of the State's changing electrical demands, and get a glimpse of their projects to meet those demands.

County of San Diego

Charley Marchesano
Chief, Energy and Sustainability Program
Department of General Services

City of San Diego

Lindsey Hawes
Interim Deputy Director
Sustainability & Mobility Dept

San Diego International Airport

Chad Reese
Environmental Manager

Port of San Diego

Renée Yarmy, LEED AP O+M
Program Director, Maritime Sustainable Development

MODERATOR

Bryce Tiernan, *Customer Engagement*
Business Services Manager

SDGE

COUNTY OF SAN DIEGO

County Facts:

- Serves entire region, including 18 local cities
- 22,000 employees w diverse services
 - Jails, airports, libraries and parks, etc.
- 600 buildings and 4,500 vehicle fleet
- \$8B annual budget

Electrification Plans:

- County operates using a strategic plan with sustainability as one of 3 key initiatives
- CAP, EV Roadmap and ZCPP implement this initiative for county operations
- Conversion of fleet to EV, new buildings as ZNE and electrification of existing building key strategies

Electrification Results:

- 11 building ZNE now, with 3 more under construction
- 71 LEED cert. buildings: most Gold
- @350 Ev chargers in place; 260 fleet EVs
- 400 plus EVSE in pipeline for next year





COUNTY PROJECTS

- Major Projects Underway:
 - East County Animal Shelter, Casa De Oro Library, Jacumba Fire Station, Public Health Lab, Parking Structure at COC
- Major Projects Planned:
 - Vista Detention Complex, Psych Hospital Renovation, Ramona Sheriff Station
 - Children's Crisis Residential at Polinsky, Fire Training Tower, Residential Program at Youth Transition Campus
 - Central Jail Major Systems Renovation
- Electrification efforts underway and planned:
 - Electrification projects planned at North and South Regional Centers
 - EV charging sites underway at APCD, AWM, Operations Center
 - EV planned at ECRC, NCRC, GBDF, Las Colinas
 - DCFC EV planned at Borrego, Valley Center, Santee, Alpine and Fallbrook RS/Ops
- Helpful Exp.
 - EVITP and ChargePoint Certified
- Advertisement and contracting methods:
 - DBE, CMAR and JOC
 - 3rd Party/SDGE programs
 - Buynet

City of San Diego

2035 Climate Action Plan Targets

Measure 1.3 Decarbonize City Facilities:

Phase out natural gas 100% in muni facilities

Measure 2.2 Increase Municipal Zero Emission Vehicles:

100% of LDV, 75% of MDV and HDV to ZEV

Measure 2.3 Increase Electric Vehicle Adoption:

25% e-VMT out of all LDV VMT

Zero Emissions Municipal Buildings & Operations Policy (ZEMBOP)

New Facilities: No fossil fuel equipment, Energy Efficient, Solar & Battery Energy Storage Ready; 100% of light duty fleet parking spaces must be EV Ready; 30% of staff/public parking spaces must be EV Capable

Existing Facilities: Must replace gas-burning systems with electric at EOL; when replacing 2 or more energy systems - must replace all fossil fuel-burning equipment with electric, bring entire facility up to state energy code standards for new buildings, install solar + storage

Fossil Fuel Elimination Plans: Inventory of gas burning systems, costs to electrify, and timeline for replacement if/when funds are available

Fleet Electrification Plans: Timeline for EV replacements and optimized locations and phasing of EVSE installations

Municipal Energy Strategy

Reduce Energy Consumption

Increase Onsite Renewable Energy Generation

Strive for Zero Emissions Buildings

Support Resiliency & Grid Stability

Engage & Educate Occupants, Patrons, Local Workforce

Zero Emissions Vehicles Strategy

Support Equitable Transition to Zero Emissions Technologies through Local Policy and Planning

Facilitate Infrastructure Deployment through Streamlined Programs and Processes

Foster ZEV Transition through Direct Community Outreach, Engagement, and Resources

Coordinate Local and Regional ZEV Transition Strategies

Create Reliable, Accessible, and Equitable Charging Infrastructure

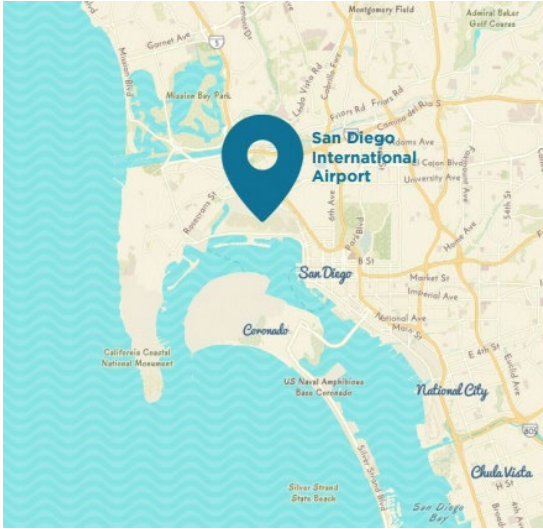
City of San Diego

- 400+ municipally owned/occupied facilities
 - Recreation Centers and Parks, Libraries, Fire & Police Stations, Ops Yards, Offices
- ~1,000 municipally owned/leased properties
 - Balboa Park, Zoo, Sports Arena, Convention Center, Bayfront Hotels, etc.
- 4,700+ fleet vehicles; 68 charging ports installed

Current & Pending Partnerships

- Clean Energy Vendors in 3 Categories: see table →
 - Willdan pursuing ESPC for 54 facilities + 50,000 streetlights
 - Ameresco piloting PV/BESS ESA as part of CIP for new Library & Fire Station
 - Contracts will fall under CA Gov't Code 4217.10-18 – Energy Conservation Contracts
- Energy Resilience Hub Program: TBD
 - RFP in development for partner to facilitate planning and engagement to ID sites
- Fleet EV Charging Program: TBD
 - RFP in development for CaaS partner
- Public EV Charging Program: EVerged
 - Currently designing public EVSE at municipal libraries, recreation centers, beach/bay parking lots

ESCOs
AECOM Ameresco Noresco Siemens Willdan
PV/BESS
Ameresco Honeywell Engie NextEra Siemens
Microgrids
AECOM Ameresco Engie NextEra Siemens



About SAN

The San Diego County Regional Airport Authority was created on January 1, 2003, as an independent agency to manage the day-to-day operations of SAN and address the region's long-term air transportation needs. The legislation that created the Authority mandates three main responsibilities:

- Operate San Diego International Airport
- Plan for the air transportation needs of the region
- Serve as the region's Airport Land Use Commission and ensure the adoption of land use plans that protect public health and safety surrounding all 16 of the county's airports



Sustainability Management Program

The Authority manages its environmental performance through its Sustainability Management Program (SMP). The SMP is a suite of seven discrete plans that define the Authority's targets and initiatives for key environmental topics.

The SMP actively guides planning, development, and operational decision-making at the Authority. For example, the SMP was directly integrated into the Airport Development Program (ADP) and its programmatic document to capitalize on integrating sustainable design, construction, and operational best practices at the airport. These sustainability plans are critical when addressing increased air travel (and the associated environmental and social impacts) while ensuring a more efficient and resilient airport enterprise in the long term.

To learn more visit san.org/green.



Capital Programs

The Capital Program is a rolling five-year program that provides critical improvements and asset preservation, including projects that address federal security requirements, airfield safety, environmental remediation, and facility upgrades. SAN utilizes both the traditional Design-Bid-Build Delivery Method and alternate delivery methods, including Design-Build for its Capital Program.



Upcoming RFBs, RFPs, and RFQs

Name	Estimated Advertisement Date	Estimated Due Date
Actuarial Services	February 2025	March 2025
Campus-wide Electric Sub-meter	March 2025	April 2025
Cash to Credit Machines Concession	February 2025	March 2025
Modular Display Cases	February 12, 2025	March 11, 2025
Quality Assurance Program Consulting Service	February 2025	March 2025

PlanetBids Vendor Portal

The Airport Authority is committed to providing an equal opportunity for all business enterprises to participate in our purchasing and contracting activities.

To begin the process, visit the [PlanetBids Vendor Portal for SDCRAA](#), where you can register as a bidder online, search for bid requests, download documents, bid electronically (where applicable) and much more! If you would like to look at or print a list of commodity codes currently used by SDCRAA, [click here to view current list of codes](#).



Vendor Registration

Create a new vendor record.
If you wish to view or edit an existing vendor, simply Log In.



Bid Opportunities

Search and bid electronically on opportunities with this agency, download documents, and become a prospective bidder.

LOGIN REQUIRED



My Contracts

Manage your awarded contracts, record payments, add subcontractors, produce reports and charts.

LOGIN REQUIRED



Certified Vendors

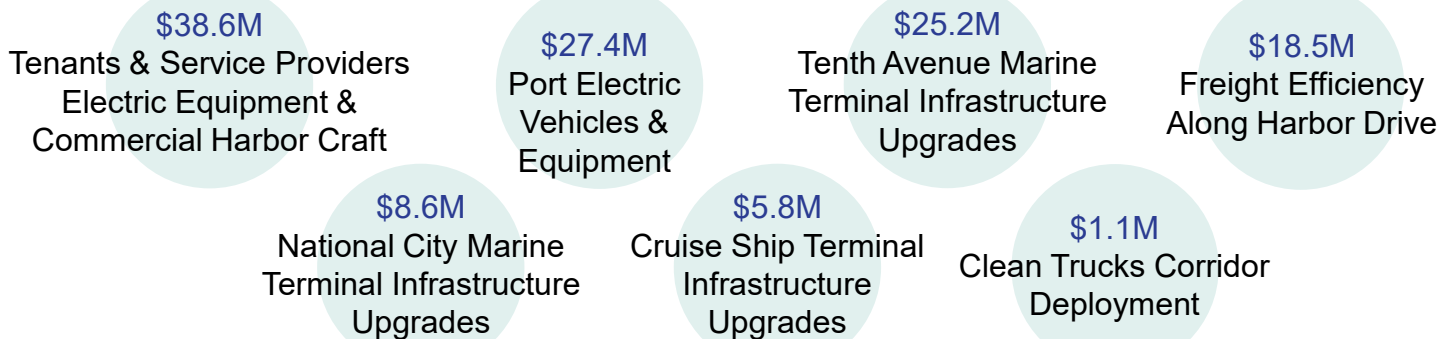
Find Certified Local Businesses

Maritime Clean Air Strategy

The Maritime Clean Air Strategy (MCAS) is a strategic planning document the Port of San Diego Board of Commissioners adopted in October 2021 to help identify future projects and initiatives that reduce emissions while also supporting efficient and modern maritime operations. The MCAS recognizes that bold and transformational action is urgently needed to improve air quality and public health. In pursuit of “Health Equity for All”, the MCAS identifies several aspirational, near-term goals and objectives to be accomplished by 2026 and long-term goals for 2030. More details are within the Highlights Report at www.portofsandiego.org/mcas

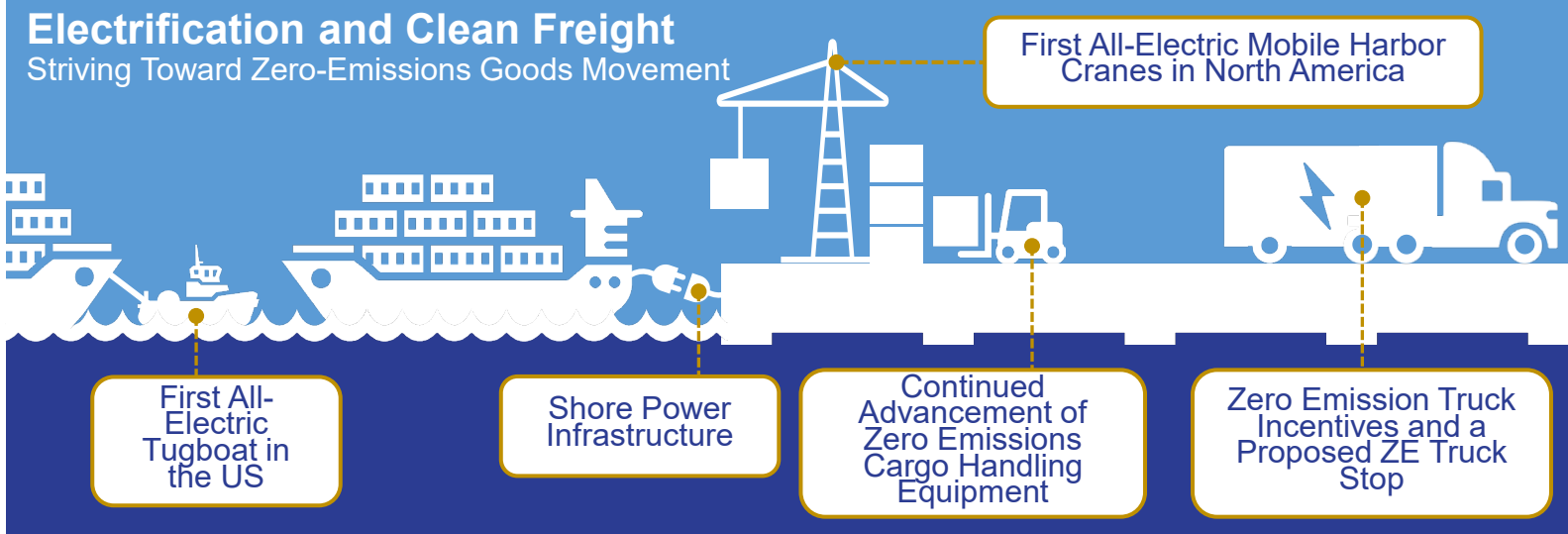
Funding Summary

The Port and partners have committed approximately **\$125 million** toward port electrification and efficiency efforts to-date, including but not limited to:



Electrification and Clean Freight

Striving Toward Zero-Emissions Goods Movement



On the Horizon

In Advertisement (Planet Bids) / Ongoing

- Railroad Tie Repairs at Tenth Avenue Marine Terminal (TAMT)

This Year

- Navy Pier Freedom Park Structural Pier Reinforcement Project
- Navy Pier Freedom Park
- Railroad Tie Repairs at Tenth Avenue Marine Terminal
- Sand Replenishment at Kellogg Beach
- Harbor Park Upland Improvements (RFQ)
- NCMT Waterline Repair
- National City Marine Terminal (NCMT) Structural Rehabilitation at Berth 24-11
- Sand Replenishment at Kellogg Beach
- Group Job: Pavement Repairs at Shelter Island, Ceasar Chavez, Seaport Village, and TAMT
- TAMT Phase 4 Electrical Upgrades and EVSE
- Shore Power at Fish Harbor Pier and Chesapeake Wharf
- Dredging at Cruise Ship Terminal

Looking Ahead

- NCMT Structural Rehabilitation at Berth 24-3/4 and Shore Power at Berth 24-4
- Silver Gate Tunnel Abandonment
- Cruise Ship Terminal Interior Improvements
- TAMT Phases 5 and 6 Electrical Upgrades, Shore Power, and EVSE

Doing Business with the Port

Register as a vendor

<https://www.portofsandiego.org/about-port-san-diego/doing-business-port>

✓Registration as a vendor is on a secure web page hosted by PlanetBids

Advantages of being a registered vendor

- ✓Receive notifications of opportunities
- ✓Receive notifications of trainings and workshops
- ✓Efficiencies in payment processing



About San Diego Gas & Electric®

- SDG&E is a California regulated investor-owned utility with more than 4,700 people.
- Provides energy service to **3.7 million customers** through approx. 1.5 million electric meters & 905,000 natural gas meters in San Diego & southern Orange counties.
- **Service area** spans more than 4,100 mi.² (10,600 km.²), including 25 communities, 2 counties & 18 federally recognized tribes. 64% is within the High Fire Threat District.
- **Includes** 134 distribution substations, 17,496 miles of distribution lines, 2,003 miles of transmission lines, 10,558 miles of underground power systems & 6,527 miles of overhead power systems.



“Best in the West” for Reliability

SDG&E has received PA Consulting’s ReliabilityOne® Award for Outstanding Reliability Performance among utilities in the West for 19 consecutive years.



Commitment to Sustainability

About 59% of SDG&E’s electrical power sources are renewable. Approx. 25% of our fleet uses alternative fuels (100% zero-emission fleet planned for 2035).



While SDG&E has been energizing the region for more than 140 years,

delivering reliable energy to homes and businesses is only the start of our work each day. We also work to:

- Help keep the communities we serve safe through an extensive portfolio of wildfire mitigations and innovations
- enable the shift to electric vehicles,
- support our local economy by working with diverse suppliers
- Support K-12 education and offer continuous workforce training



Supplier Diversity

CONNECT WITH US!

SUPPLIER DIVERSITY WEBSITE

Learn more about us!



SUPPLIER INTEREST FORM

Complete our form to register your business with us!



SUPPLIER CLEARINGHOUSE

Get information on how to become a certified diverse supplier!



SDGE MAJOR PURCHASE CATEGORIES



ELECTRIC OPERATIONS

Engineering Procurement and Construction (EPC), Engineering & Design Services, Electric Construction, Electric Materials & Equipment, Materials Repair Operations (MRO), Vegetation Management, Equipment Rental, Aviation and Drone Services, Traffic Control



GAS OPERATIONS

Engineering Procurement & Construction (EPC), Engineering & Design Services, Gas Construction, Welding Inspection, Locating and Testing Services, Gas Materials & Equipment, Materials Repair Operations (MRO), Equipment Rental



OPERATIONS SUPPORT

Facilities Operations & Maintenance, Capital Construction Management, Corporate Real Estate, Office Services, Environmental Services



CUSTOMER SERVICES AND OPERATIONS

Energy Efficiency Programs, Advertising and Marketing, Fulfillment and Distribution Services



PROFESSIONAL SERVICES

Legal Services, Finance Services, Insurance Services, Audit Services, Professional Consulting Services



INFORMATION TECHNOLOGY

Equipment Hardware and Software, Licensing, Application Development, Consulting, Helpdesk Support, Network and Telecommunications



FLEET SERVICES

Vehicle and Equipment Purchase, Vehicle and Fleet Maintenance, Fuel and Oil