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 sandag.org

Meeting Notice and Agenda

Regional Energy Working Group

The Regional Energy Working Group may take action on any item appearing on this agenda.

Thursday, January 24, 2019

11:30 a.m. to 1 p.m.

SANDAG, 7th Floor Conference Room
 401 B Street, Suite 800
 San Diego, CA 92101

Please take the elevator to the 8th floor to access the meeting room.

Staff Contact: Anna Lowe
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 jeff.hoyos@sandag.org

Agenda Highlights

- **San Diego Gas & Electric Senate Bill 350 Priority Review Projects and Power Your Drive Updates**
- **Clean Vehicle Rebate Project Update and Select Analytical Highlights**

Please silence all electronic devices during the meeting

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Mission Statement

The 18 cities and county government are SANDAG serving as the forum for regional decision-making. SANDAG builds consensus; makes strategic plans; obtains and allocates resources; plans, engineers, and builds public transit; and provides information on a broad range of topics pertinent to the region's quality of life.

MEMBER AGENCIES

Cities of
 Carlsbad
 Chula Vista
 Coronado
 Del Mar
 El Cajon
 Encinitas
 Escondido
 Imperial Beach
 La Mesa
 Lemon Grove
 National City
 Oceanside
 Poway
 San Diego
 San Marcos
 Santee
 Solana Beach
 Vista
 and
 County of San Diego

ADVISORY MEMBERS

Imperial County
 California Department
 of Transportation
 Metropolitan
 Transit System
 North County
 Transit District
 United States
 Department of Defense
 Port of San Diego
 San Diego County
 Water Authority
 Southern California
 Tribal Chairmen's Association
 Mexico



Welcome to SANDAG. Members of the public may speak to the Working Group on any item at the time the Working Group is considering the item. Please complete a Request to Comment form and then present the form to the Working Group coordinator. Members of the public may address the Working Group on any issue under the agenda item entitled Public Comments/Communications/Member Comments. Public speakers are limited to three minutes or less per person. The Working Group may take action on any item appearing on the agenda.

Both agenda and non-agenda comments should be sent to SANDAG via comment@sandag.org. Please include the Working Group name and meeting date, agenda item, your name, and your organization. Any comments, handouts, presentations, or other materials from the public intended for distribution at the meeting should be received by the Working Group coordinator no later than 5 p.m. two working days prior to the meeting. All public comments and materials received by the deadline become part of the official public record and will be provided to the members for their review at the meeting.

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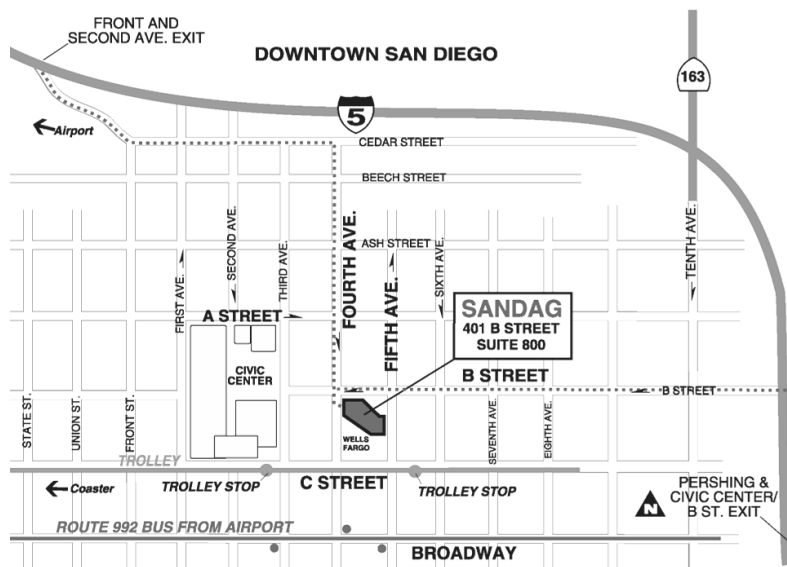
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Regional Energy Working Group

Thursday, January 24, 2019

Item No.		Recommendation
1.	Welcome and Introductions	
+2.	Approval of Meeting Minutes The Regional Energy Working Group (EWG) is asked to review and approve the minutes from its: +2A. October 25, 2018, EWG meeting. +2B. November 8, 2018, joint meeting with the Regional Planning Technical Working Group.	Approve
3.	Public Comments/Communications/Member Comments Members of the public shall have the opportunity to address the EWG on any issue within the jurisdiction of SANDAG that is not on this agenda. Anyone desiring to speak shall reserve time by completing a Request to Comment form and giving it to the meeting coordinator prior to speaking. Public speakers should notify the meeting coordinator if they have a handout for distribution to EWG members. Public speakers are limited to three minutes or less per person. EWG members also may provide information and announcements under this agenda item.	
Consent		
+4.	San Diego Regional Electric Vehicle Rebate Statistics The electric vehicle market in the San Diego Region is rapidly growing. SANDAG has committed to provide the EWG with monthly updates on regional Clean Vehicle Rebate Program statistics. Statewide rebate statistics also have been provided for comparison.	Information
Reports		
5.	Regional Energy Working Group 2019 Topics of Interest (Anna Lowe) Staff will present a brief discussion about the EWG and solicit input from member and stakeholders on topics of interest for 2019 and beyond.	Discussion
6.	San Diego Gas & Electric Senate Bill 350 Priority Review Projects and Power Your Drive Updates (Natasha Contreras, San Diego Gas & Electric) Natasha Contreras will present an update on the San Diego Gas & Electric Senate Bill 350 Priority Review Program and the Power Your Drive Program.	Information

7. Clean Vehicle Rebate Project Update and Select Analytical Highlights (Brett Williams, Center for Sustainable Energy) Information

Brett Williams will present an update on the Clean Vehicle Rebate Project (CVRP). Program and market data will be used to characterize rebate impacts and electric vehicle adoption in the San Diego region and throughout the state. For more information about CVRP visit the program website at: <https://cleanvehiclerebate.org/eng/program-reports>.

8. Upcoming Meetings Information

The next EWG meeting is scheduled for Thursday, February 28, 2019, at 11:30 a.m.

9. Adjournment

+ next to an item indicates an attachment



Regional Energy Working Group

Item: **2A**

January 24, 2019

Action Requested: **Approve**

October 25, 2018, Meeting Minutes

Chair Carrie Downey (City of Coronado Councilmember) called the meeting of the Regional Energy Working Group (EWG) to order at 11:36 a.m.

1. Welcome and Introductions

Self-introductions were made.

2. Approval of Meeting Minutes (Approve)

Action: Upon a motion by Jennifer Mendoza (City of Lemon Grove) and a second by Renee Yarmy (Unified Port of San Diego), the EWG approved the minutes from the July 26, 2018, meeting.

Yes: Chair Downey, Nilmini Silva-Send (Energy Policy Initiatives Center, University of San Diego), Councilmember Catherine Blakespear (City of Encinitas), Councilmember Colin Parent (City of La Mesa), Sophie Barnhorst (San Diego Regional Chamber of Commerce), Krista Davidson (Sierra Club), Brett Caldwell (San Diego Regional Airport Authority), Susan Freed (County of San Diego), Larry Goldenhersh (Center for Sustainable Energy), Fernando Valero (San Diego Gas & Electric), and Dave Weil (UCSD). No: None. Abstain: None. Absent: North County Inland Subregion, Environmental Health Coalition, Cleantech San Diego, Economic Development Council, Public Transit Operators, San Diego Regional Clean Cities, and City of San Diego.

3. Public Comments/Communications/Member Comments

John Wotzka, a member of the public, submitted written comments and spoke about energy and climate-related news.

Consent

4. San Diego Regional Electric Vehicle Statistics (Information)

Updates from the Clean Vehicle Rebate Program on regional electric vehicle growth were attached.

Action: This item was presented for information.

Reports

5. Solar Energy Innovation Network (Information)

Bryan Olson, City of San Diego, presented challenges and opportunities stemming from solar energy by providing an overview and status report of the Solar Energy Innovation Network.

Action: This item was presented for information.

6. Energy-Climate Programs Study (Information)

Allison Wood, SANDAG, presented an overview of the process underway to prepare the Energy-Climate Programs Study.

Action: This item was presented for information.

7. Federal and State Activities on Energy and Climate Change (Discussion)

Joe Kaatz, EPIC, discussed federal and state energy and climate change related activities and legislation and how they may impact local climate planning efforts

Action: This item was presented for discussion.

8. Upcoming Meetings

The next EWG meeting will be a joint meeting with the Regional Technical Working Group (TWG) and is scheduled for Thursday, November 8, 2018, at 1:15 p.m., in the 7th Floor Boardroom.

9. Adjournment

Chair Downey adjourned the meeting at 1 p.m.

Confirmed Attendance at SANDAG Regional Energy Working Group Meeting

October 25, 2018

Representation	Jurisdiction/ Organization	Name	Member/ Alternate	Attending
South County Subregion	City of Coronado	Hon. Carrie Downey, Chair	Member	Yes
	Vacant	Vacant	Alternate	No
North County Inland Subregion	City of Vista	Hon. Amanda Rigby	Member	No
	Vacant	Vacant	Alternate	No
North County Coastal Subregion	City of Encinitas	Hon. Catherine Blakespear	Member	Yes
	City of Carlsbad	Jason Haber	Alternate	No
	City of Oceanside	Mo Lahsaie	Alternate	Yes
East County Subregion	City of La Mesa	Hon. Colin Parent	Member	Yes
	City of Lemon Grove	Hon. Jennifer Mendoza	Alternate	Yes
City of San Diego Subregion	City of San Diego	Lee Friedman	Member	No
		Hon. David Alvarez	Alternate	No
		Cody Hooven	Alternate	No
County of San Diego Subregion	County of San Diego	Vacant	Member	No
		Don Chase	Alternate	No
		Susan Freed	Alternate	Yes
Public Transit Operators	Metropolitan Transit System	Sharon Cooney	Member	No
	North County Transit District	Vacant	Alternate	No
Other Public Agencies	San Diego County Regional Airport Authority	Brendan Reed	Member	No
		Brett Caldwell	Alternate	Yes
	Unified Port District of San Diego	Renee Yarmy	Member	Yes
Universities	University of California, San Diego	Dave Weil	Member	Yes
		San Diego State University	Dr. Heather Honea	Alternate
Energy Utility	San Diego Gas & Electric	Fernando Valero	Member	Yes
		Joe Gabaldon	Alternate	No
Energy Non-Profits	Center for Sustainable Energy	Larry Goldenhersh	Member	Yes
		Beckie Menten	Alternate	Yes
	Energy Policy Initiatives Center,	Scott Anders, Vice Chair	Member	No

Representation	Jurisdiction/ Organization	Name	Member/ Alternate	Attending
Transportation Fuels	University of San Diego School of Law	Nilmini Silva-Send	Alternate	Yes
		Joe Kaatz	Alternate	Yes
	San Diego Regional Clean Cities Coalition	Debra Kelley	Member	No
		Jennifer Case	Alternate	No
Environment/ Social Justice	Vacant	Vacant	Member	No
	Sierra Club	Krista Davidson	Member	Yes
		Paul Webb	Alternate	No
Business	San Diego Regional Chamber of Commerce	Mike Evans	Member	No
		Sophie Barnhorst	Alternate	Yes
Economic Development	North County Economic Development Council	Paul O'Neal	Member	No
	South County Economic Development Council	John Moot	Alternate	No
	Cleantech San Diego	Jason Anderson	Member	No
Alyssa Gutner-Davis		Alternate	No	

Other Attendees

Kinshuk Chatherjee, CSE
Steve Ferguson, Siemens
Mike Grim, City of Carlsbad
David Grubb, Sierra Club
Bryan Olson, City of San Diego
Shannon Sales, City of San Diego
Rachel Stern, Unified Port of San Diego
Heidi Krantz, EVgo
Scott Walsh, Consultant
John Wotzka, Member of the Public
Jeff Wyner, City of Escondido

SANDAG Staff

Susan Freedman
Keith Greer
Katie Hentrich
Jeff Hoyos
Anna Lowe
Andrew Martin
Maggie Soffel
Allison Wood
Katie McGill
Robin Wapner



Joint Meeting of the Regional Planning Technical Working Group and the Regional Energy Working Group

Item: **2B**

January 24, 2019

Action Requested: **Approve**

November 8, 2018, Meeting Minutes

Please note: The audio file of the meeting is available on the SANDAG website, sandag.org, on the Regional Planning Technical Working Group (TWG) and the Regional Energy Working Group (EWG) pages.

TWG Chair Karen Brindley (City of San Marcos) and EWG Chair Carrie Downey (City of Coronado) called the joint meeting of the TWG and the EWG to order at 1:19 p.m.

1. Welcome and Introductions

Self-introductions were made.

2. Public Comments and Communications

John Wotzka, member of the public, discussed the importance of global warming issues.

Scott Enders, Vice Chair of the EWG, recognized Chair Downey's last meeting as the EWG chair and thanked her for her service to the EWG.

Consent

3. San Diego Regional Electric Vehicle Rebate Statistics (Information)

Chair Downey introduced the San Diego Regional Electric Vehicle Rebate Statistics and encouraged TWG and EWG members to present the data to their jurisdictions.

Chair's Reports

4. Update on Regional Planning Committee Actions (Information)

Chair Brindley reported the items discussed at the last Regional planning Committee meeting including the funding recommendations for *TransNet* Smart Growth Incentive and the Active Transportation Grant Programs, the integration of smart growth, complete streets and mobility hubs, an update to the proposed approach that will be used to develop the 6th cycle of the Regional Housing Needs Assessment (RHNA), and an overview of the three transportation network concepts for the San Diego Forward: The Regional Plan.

5. SANDAG Roadmap Program Update (Information)

Anna Lowe, Associate Regional Planner, and Allison Wood, Associate Regional Planner, presented an update on the energy efficiency and climate action planning components of the SANDAG Roadmap Program and shared upcoming activities. Chair Downey directed comments about Community Choice Energy (CCE) to be discussed at a future EWG meeting.

6. SANDAG Electric Vehicle Efforts Update (Information)

Ms. Lowe provided an overview on how SANDAG continues to provide resources and explore opportunities that support the adoption of EVs and reduce greenhouse gas emissions throughout the region.

6A. Plug-in San Diego

Jeff Hoyos, Regional Planner I, and Andy Gordon, Senior GIS Analyst, presented an update on Plug-in San Diego and demonstrated the regional mapping tool, a primary deliverable of the grant funded program. TWG and EWG members provided the following comments and suggestions:

- Proximity to parking areas should be included in the mapping tool
- Include data depicting the status, type, and access of the charging stations
- Incorporate data from SDG&E into the mapping tool

6B. Regional EV Charging Program

Susan Freedman presented an overview of research findings and coordination efforts to inform development of this incentive program.

John Gardner, member of the public, recommended using true Zero Emission Vehicles (ZEV) including hydrogen, wind, and solar power.

7. Member Communications

Mike Hansen, TWG Second Vice Chair, supported discussing Community Choice Energy (CCE) at a future working group meeting.

Ms. Lowe, will reach out to member agencies to conduct a survey evaluating the performance of the SANDAG Roadmap Program.

Jim Nakagawa, City of Imperial Beach, discussed the progress of the Imperial Beach's Local Coastal Plan and General Plan update.

Vice Chair Enders invited TWG and EWG members to the 10th annual Lesley K. McAllister Symposium on Climate and Energy Law on November 9, 2018.

8. Upcoming Meetings (Information)

The next TWG meeting is scheduled for Thursday, December 13, 2018, at 1:15 p.m. The next EWG meeting is scheduled for Thursday, January 24, 2019, at 11:30 a.m.

9. Adjournment

Chair Downey adjourned the meeting at 2:54 p.m.

Confirmed TWG Attendance at Joint Meeting of the SANDAG Regional Planning Technical Working Group and the Regional Energy Working Group

November 8, 2018

Regional Planning Technical Working Group

Jurisdiction	Name	Attended	Comments
City of Carlsbad	Don Neu	No	
	David De Cordova, Alternate	Yes	
City of Chula Vista	Kelly Broughton	No	
	Scott Donaghe, Alternate	Yes	
City of Coronado	Rich Grunow	No	
	Jesse Brown, Alternate	No	
City of Del Mar	Kathy Garcia	No	
	Amanda Lee, Alternate	No	
City of El Cajon	Tony Shute, Vice Chair	No	
	Melissa Devine, Alternate	No	
City of Encinitas	Brenda Wisneski	Yes	
	Roy Sapa'u, Alternate	No	
	Diane S. Langager, Alternate	No	
City of Escondido	Bill Martin	No	
	Michael (Mike) Strong, Alternate	No	
City of Imperial Beach	Steve Dush	No	
	Jim Nakagawa, Alternate	Yes	
	Tyler Foltz, Alternate	No	
City of La Mesa	Kerry Kusiak	No	
	Allyson Kinnard, Alternate	No	
City of Lemon Grove	Mike Viglione	No	
City of National City	Brad Raulston	No	
	Ray Pe, Alternate	No	
City of Oceanside	Jeff Hunt	Yes	
	Russ Cunningham, Alternate	No	
City of Poway	Robert (Bob) Manis	No	
	David De Vries (AICP)	Yes	
City of San Diego	Mike Hansen, Second Vice Chair	Yes	
	Laura Black, Alternate	Yes	
	Brian Schoenfisch, Alternate	Yes	
City of San Marcos	Karen Brindley, Chair	Yes	
	Saima Qureshy, Alternate	No	

Jurisdiction	Name	Attended	Comments
City of Santee	Melanie Kush	No	
	John O'Donnell, Alternate	No	
	Michael Coyne	Yes	
City of Solana Beach	Joseph Lim	No	
	Corey Andrews, Alternate	No	
City of Vista	John Conley	No	
	Patsy Chow, Alternate	No	
County of San Diego	Eric Lardy	Yes	
	Noah Alvey, Alternate	No	

Advisory Members

Air Pollution Control District	Kathy Keehan	Yes	
Caltrans	Ann Fox	No	
	Barby Valentine, Alternate	No	
Local Agency Formation Commission	Robert Barry, AICP	No	
	Keene Simonds, Alternate	No	
Metropolitan Transit System	Denis Desmond	No	
North County Transit District	Katie Persons	No	
San Diego County Regional Airport Authority	Brendan Reed	Yes	
San Diego County Regional Water Authority	Seevani Bista	No	
San Diego Unified Port District	Lesley Nishihira	No	
U.S. Department of Defense	Mary Beth Dreusike	No	
	David Zajac	No	

Other Attendees

Elizabeth Dickson, City of San Diego
 John Wotzka, Member of the Public

SANDAG Staff

Carolina Ilic
 Coleen Clementson
 Seth Litchney
 John Delmer

Regional Energy Working Group

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South County Subregion	City of Coronado	Hon. Carrie Downey, Chair	Member	Yes
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	Vacant	Vacant	Alternate	N/A
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East County Subregion	City of La Mesa	Hon. Colin Parent	Member	Yes
	City of Lemon Grove	Hon. Jennifer Mendoza	Alternate	Yes
City of San Diego Subregion	City of San Diego	Vacant	Member	N/A
		Hon. David Alvarez	Alternate	No
		Jack Clark	Alternate	No
County of San Diego Subregion	County of San Diego	Vacant	Member	N/A
		Don Chase	Alternate	No
		Susan Freed	Alternate	No
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		Thomas MacLean	Alternate	No
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Energy Utility	San Diego Gas & Electric	Fernando Valero	Member	No
		Joe Gabaldon	Alternate	No
Energy Non-Profits	Center for Sustainable Energy	Larry Goldenhersh	Member	No
		Hanna Grene	Alternate	No
	Energy Policy Initiatives Center, University of San Diego School of Law	Scott Anders, Vice Chair	Member	Yes
		Nilmini Silva-Send	Alternate	No
Transportation Fuels	San Diego Regional Clean Cities Coalition	Debra Kelley	Member	No
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		Dave Grubb	Alternate	No
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		Colleen Klaiber	Alternate	No
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	Cleantech San Diego	Jason Anderson	Member	No
Alyssa Gutner-Davis		Alternate	No	

Other Attendees

Kinshuk Chatherjee, CSE

Vanessa Mapula Garcia, SDG&E

John Wotzka, Member of the Public

Jon Gardner, Member of the Public

SANDAG Staff

Allison Wood

Andy Gordon

Anna Lowe

Jeff Hoyos

Katie McGill

Susan Freedman



Regional Energy Working Group

Item: **4**

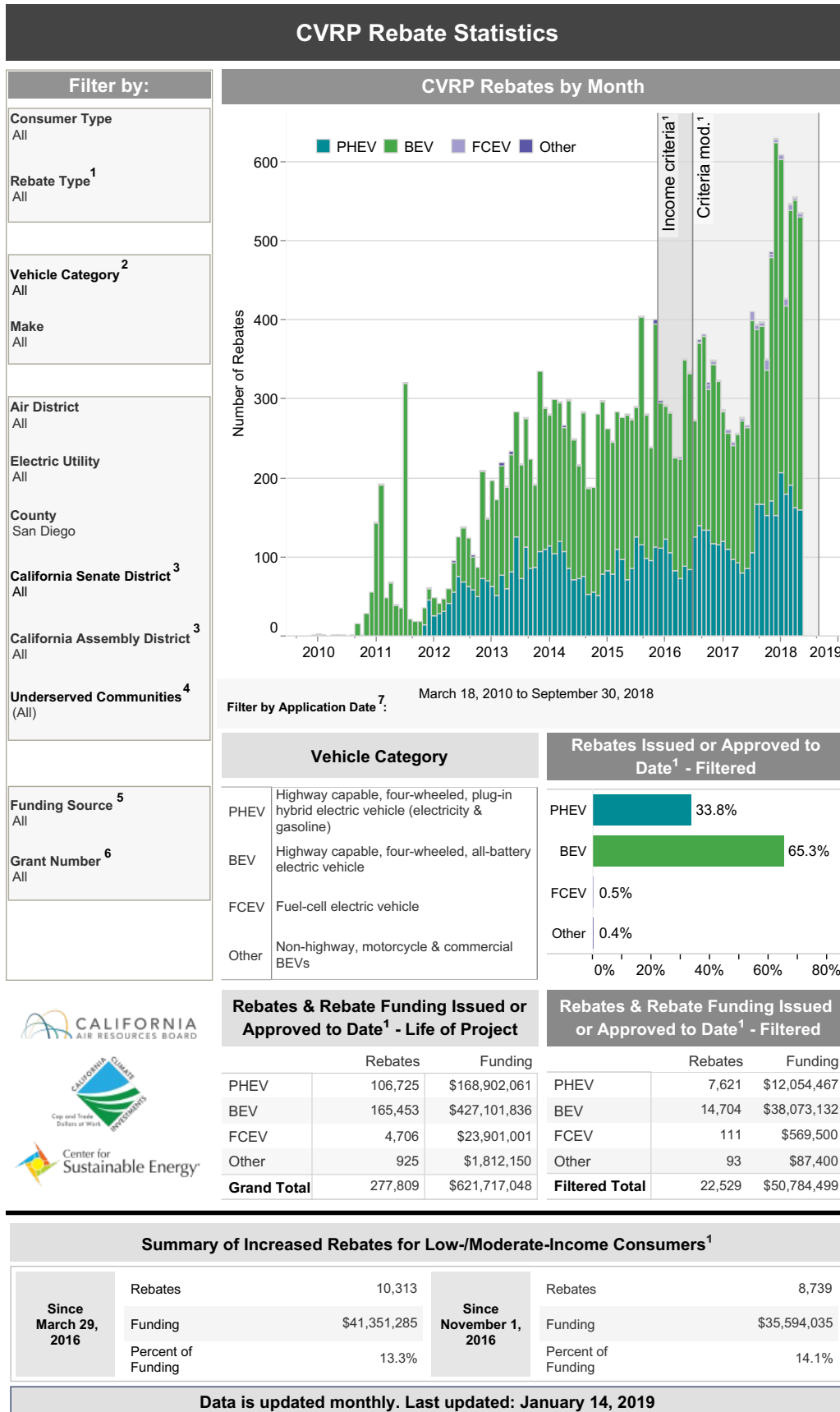
January 24, 2019

Action Requested: **Information**

San Diego Regional Electric Vehicle Rebate Statistics

The electric vehicle market in the San Diego Region is rapidly growing. SANDAG has committed to provide the Regional Energy Working Group with monthly updates on regional Clean Vehicle Rebate Program statistics. Statewide rebate statistics also have been provided for comparison.

- Attachments:
1. January 2019 Rebate Statistics – San Diego
 2. January 2019 Rebate Statistics – California

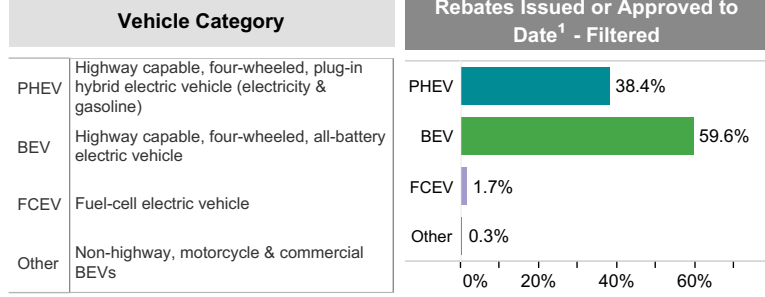
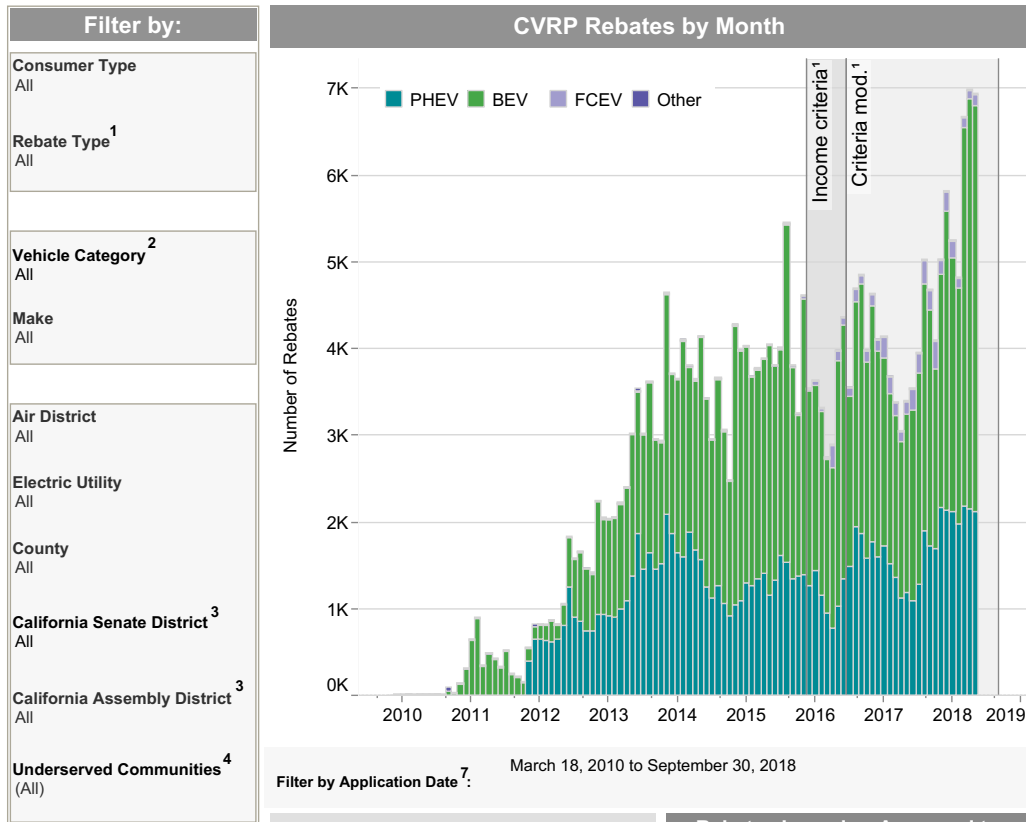


[Click here to download the entire dataset in Excel format: CVRPStats.xlsx](#)

¹⁻⁷Please select the Notes tab of this dashboard for additional details and links to related information.

Please cite use of these data and images. For example:
 Center for Sustainable Energy (2019). California Air Resources Board Clean Vehicle Rebate Project, Rebate Statistics. Data last updated January 14, 2019. Retrieved [insert date retrieved] from cleanvehiclerebate.org/rebate-statistics

CVRP Rebate Statistics



Rebates & Rebate Funding Issued or Approved to Date ¹ - Life of Project			Rebates & Rebate Funding Issued or Approved to Date ¹ - Filtered		
	Rebates	Funding		Rebates	Funding
PHEV	106,725	\$168,902,061	PHEV	106,725	\$168,902,061
BEV	165,453	\$427,101,836	BEV	165,453	\$427,101,836
FCEV	4,706	\$23,901,001	FCEV	4,706	\$23,901,001
Other	925	\$1,812,150	Other	925	\$1,812,150
Grand Total	277,809	\$621,717,048	Filtered Total	277,809	\$621,717,048



Summary of Increased Rebates for Low-/Moderate-Income Consumers¹

	Rebates	Funding		Rebates	Funding
Since March 29, 2016	10,313	\$41,351,285	Since November 1, 2016	8,739	\$35,594,035
	13.3%			14.1%	

Data is updated monthly. Last updated: January 14, 2019

[Click here to download the entire dataset in Excel format: CVRPStats.xlsx](#)

¹⁻⁷Please select the Notes tab of this dashboard for additional details and links to related information.

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Center for Sustainable Energy (2019). California Air Resources Board Clean Vehicle Rebate Project, Rebate Statistics. Data last updated January 14, 2019. Retrieved [insert date retrieved] from cleanvehiclerebate.org/rebate-statistics