MEETING NOTICE AND AGENDA

REGIONAL ENERGY WORKING GROUP

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

Thursday, April 26, 2018

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 Contacts: Anna Lowe
(619) 595-5603
anna.lowe@sandag.org

Jeff Hoyos
(619) 699-1932
jeff.hoyos@sandag.org

AGENDA HIGHLIGHTS

- COUNTY OF SAN DIEGO CLIMATE ACTION PLAN
- CITY OF SAN DIEGO PROPOSED BENCHMARKING ORDINANCE

PLEASE SILENCE ALL ELECTRONIC DEVICES DURING THE MEETING

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.
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 unless otherwise directed by the Chair. 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 Working Group meeting should be received by the Working Group coordinator no later than 12 noon, two working days prior to the meeting. All public comments and materials received by the deadline become part of the official project record, will be provided to the members for their review at the meeting, and will be posted to the agenda file as a part of the handouts following each meeting.

In order to keep the public informed in an efficient manner and facilitate public participation, SANDAG also provides access to all agenda and meeting materials online at www.sandag.org/meetings. Additionally, interested persons can sign up for e-notifications via our e-distribution list either at the SANDAG website or by sending an email request to webmaster@sandag.org.

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如有需要，我们也可以把SANDAG的材料翻译成其他语言。

在会议前至少72小时，拨打(619) 699-1900提出要求。

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REGIONAL ENERGY WORKING GROUP  
Thursday, April 26, 2018

ITEM NO. | RECOMMENDATION
---|---
1. | WELCOME AND INTRODUCTIONS
+2. | APPROVAL OF MEETING MINUTES  
APPROVE  
The Regional Energy Working (EWG) group is asked to review and approve the minutes from its March 22, 2018, meeting.

3. | PUBLIC COMMENTS/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 Speak” 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  
INFORMATION  
This report provides an update on regional Clean Vehicle Rebate Program statistics as well as statewide rebate statistics for comparison.

REPORTS

5. | SANDAG 2018 TITLE VI PROGRAM: WORKING GROUPS SURVEY  
(Sam Sanford)  
INFORMATION  
Staff will distribute a short demographic survey to the members of the EWG to support the development of the 2018 Title VI Program. SANDAG is required to update the Title VI Program every three years per Federal Transit Administration Circular 4702.1B. One component of the program is a table summarizing demographic information of working groups that help inform transportation-related decisions. Members of the EWG will be asked to complete the voluntary survey to capture this information.

6. | COUNTY OF SAN DIEGO CLIMATE ACTION PLAN (Rami Talleh, Mary Kopaskie Brown, and Maggie Soffel, County of San Diego)  
INFORMATION  
The County of San Diego’s (County) Climate Action Plan (CAP) is a framework to reduce the County’s greenhouse gas emissions. County staff will present an overview of the CAP adopted by the County in February 2018. More information is available at: sandiegocounty.gov/pds/advance/climateactionplan.html.
+7. CITY OF SAN DIEGO PROPOSED BENCHMARKING ORDINANCE  
(Jack Clark, City of San Diego; Rebecca Sappenfield, Center for Sustainable Energy)

The City of San Diego is soliciting public input on the provisions of a potential benchmarking ordinance for commercial, multifamily, and mixed-use properties as a means to help achieve its Climate Action Plan goal for creating more energy-efficient buildings and ordinances to conserve and disclose energy use. Jack Clark and Rebecca Sappenfield will present the benchmarking ordinance.

+8. SANDAG 2018 LEGISLATIVE PRIORITIES (Anna Lowe)

Staff will discuss the 2018 Legislative Priorities approved by the Board of Directors on March 23, 2018. A list of legislative bills is included and EWG members are asked to review the bills and to share legislation that would support implementation of the Regional Energy Strategy.

9. UPCOMING MEETINGS

The next EWG meeting is scheduled for Thursday, May 24, 2018, at 11:30 a.m.

10. ADJOURNMENT

+ next to an item indicates an attachment
MARCH 22, 2018, MEETING MINUTES

1. WELCOME AND INTRODUCTIONS

Chair Carrie Downey (City of Coronado) called the meeting of the Regional Energy Working Group (EWG) to order at 11:07 a.m.

2. APPROVAL OF MEETING MINUTES (APPROVE)

Action: Upon a motion by Vice Chair Scott Anders (University of San Diego School of Law, Energy Policy Initiative Center) and a second by Councilmember Jennifer Mendoza (City of Lemon Grove), the EWG approved the minutes from its October 26, 2017, meeting. Yes: Chair Downey, Shelly Murphy (Center for Sustainable Energy), Mo Lahsaie (City of Oceanside), Jack Clark (City of San Diego), Susan Freed (County of San Diego), Renee Yarmy (Port of San Diego), Fernando Valero (San Diego Gas & Electric), Paul Webb (Sierra Club), and Dave Weil (UC San Diego). No: None. Abstain: None. Absent: Cleantech San Diego, Economic Development, Environmental Health Coalition, North County Inland Subregion, Public Transit Operators, San Diego Regional Airport Authority, San Diego Regional Chamber of Commerce, and San Diego Regional Clean Cities Coalition.

Action: Upon a motion by Ms. Yarmy and a second by Councilmember Mendoza, the EWG approved the minutes from its November 9, 2017, joint meeting with the Regional Planning Technical Working Group. Yes: Chair Downey, Vice Chair Anders, Mr. Clark, Ms. Murphy, Mr. Lahsaie, Ms. Freed, Mr. Valero, Mr. Webb, and Mr. Weil. No: None. Abstain: None. Absent: Cleantech San Diego, Economic Development, Environmental Health Coalition, North County Inland Subregion, Public Transit Operators, San Diego Regional Airport Authority, San Diego Regional Chamber of Commerce, and San Diego Regional Clean Cities Coalition.

Action: Upon a motion by Councilmember Colin Parent (City of La Mesa) and a second by Mr. Clark, the EWG approved the minutes from its January 25, 2018, meeting. Yes: Chair Downey, Vice Chair Anders, Ms. Murphy, Mr. Lahsaie, Ms. Freed, Ms. Yarmy, Mr. Valero, Mr. Webb, and Mr. Weil. No: None. Abstain: None. Absent: Cleantech San Diego, Economic Development, Environmental Health Coalition, North County Inland Subregion, Public Transit Operators, San Diego Regional Airport Authority, San Diego Regional Chamber of Commerce, and San Diego Regional Clean Cities Coalition.
3. **PUBLIC COMMENTS/MEMBER COMMENTS**

Scott Debenham (Debenham Energy) presented slides and spoke about wind-related renewable energy generation.

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

**CONSENT**

4. **SAN DIEGO REGIONAL ELECTRIC VEHICLE REBATE STATISTICS (INFORMATION)**

The electric vehicle market in the San Diego region is growing rapidly. Updates from the Clean Vehicle Rebate Program on regional vehicle growth were included.

**Action:** This item was presented for information.

**REPORTS**

5. **CHOLLAS ECOVILLAGE PROJECT (INFORMATION)**

Groundwork San Diego was awarded an Electric Program Investment Charge grant from the California Energy Commission, 1 of 12 awarded statewide, to develop a vision and strategies to turn the disadvantaged community of Encanto/Chollas Creek into the Advanced Energy Community of Chollas EcoVillage. Srivinas Sukumar and Ed Lopez (Groundworks San Diego) presented on Phase I of this grant, which included project goals, lessons learned, and proposed community solar solutions to provide affordable access to renewable energy for Chollas EcoVillage residents, schools, and businesses.

**Action:** This item was presented for information.


James Dreisbach-Towle, Principal Technology Program Manager, and Allison Wood, Associate Regional Planner, discussed the updated white papers on Emerging Technologies and Climate Change from the version of San Diego Forward: The Regional Plan adopted in 2015. These white papers, as well as those on Public Health and Economic Prosperity, are available at sdforward.com.

7. **REGIONAL CLIMATE ACTION PLANNING FRAMEWORK (DISCUSSION)**

Ms. Wood and Katie Hentrich, Regional Energy/Climate Planner, provided an update on the development of the Regional Climate Action Planning Framework (ReCAP). ReCAP is a guidance document for member agencies that identifies best practices for the preparation of local climate action plans, including emissions inventories and projections, emission reduction calculations, monitoring and evaluation, cost analyses, and California Environmental Quality Act considerations.

8. **SANDAG 2018 LEGISLATIVE PRIORITIES (INFORMATION)**

This item was postponed until the next meeting of the EWG.
9. UPCOMING MEETINGS (INFORMATION)

The next EWG meeting is scheduled for Thursday, April 26, 2018, at 11:30 a.m.

10. ADJOURNMENT

Chair Downey adjourned the meeting at 1 p.m.
# REGIONAL ENERGY WORKING GROUP

**MEETING ATTENDANCE FOR MARCH 22, 2018**

<table>
<thead>
<tr>
<th>REPRESENTATION</th>
<th>JURISDICTION/ORGANIZATION</th>
<th>NAME</th>
<th>ATTENDING</th>
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<tbody>
<tr>
<td>South County Subregion</td>
<td>City of Coronado</td>
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<td>Vacant</td>
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<td>Mo Lahsaie</td>
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<td>City of Lemon Grove</td>
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<td>City of San Diego Subregion</td>
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<td>Jack Clark, Alternate</td>
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<td>Charles Marchesano, Alternate</td>
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<td>Susan Freed, Alternate</td>
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<td>Public Transit Operators</td>
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<td>Sharon Cooney</td>
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<td>North County Transit District</td>
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<td>Other Public Agencies</td>
<td>San Diego County Regional Airport Authority</td>
<td>Brendan Reed</td>
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<td>Brett Caldwell, Alternate</td>
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<td>Renee Yarmy</td>
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<td>Rachel Stern, Alternate</td>
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<td>Universities</td>
<td>UC San Diego</td>
<td>Dave Weil</td>
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<td>San Diego State University</td>
<td>Dr. Heather Honea, Alternate</td>
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<td>Energy Utility</td>
<td>San Diego Gas &amp; Electric</td>
<td>Fernando Valero</td>
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<td>Joe Gabaldon, Alternate</td>
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<td>Energy Non-Profits</td>
<td>Center for Sustainable Energy</td>
<td>Shelly Murphy</td>
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<td>Hanna Grene, Alternate</td>
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<td>Energy Policy Initiatives Center, University of San Diego School of Law</td>
<td>Scott Anders, Vice Chair</td>
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<td>Nilmimi Silva-Send, Alternate</td>
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<td>Transportation Fuels</td>
<td>San Diego Regional Clean Cities Coalition</td>
<td>Debra Kelley</td>
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<td>Jennifer Case, Alternate</td>
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<td>Environment/Social Justice</td>
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<td>Sierra Club</td>
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<td>Business</td>
<td>San Diego Regional Chamber of Commerce</td>
<td>Mike Evans</td>
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<td>Lisa Kay, Alternate</td>
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<td>Paul O'Neal</td>
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<td>John Moot, Alternate</td>
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<td></td>
<td>Cleantech San Diego</td>
<td>Jason Anderson</td>
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<tr>
<td></td>
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<td>Alyssa Gutner-Davis, Alternate</td>
<td>No</td>
</tr>
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**OTHER ATTENDEES**

- Poonam Boparai, Ascent Environmental
- Mike Grim, City of Carlsbad
- Jeff Wyner, City of Escondido
- Richard Caboda, City of San Diego
- Ed Lopez, Groundwork San Diego
- Srinivas Sukumar, Groundwork San Diego
- Doug Emery, Helix Water District
- John Wotzka, member of the public
- Cesar Rios, RioSolutions
- Yichao Gu, University of San Diego

**SANDAG STAFF MEMBERS**

- Allison Wood
- Andrew Martin
- Anna Lowe
- James Dreisbach-Towle
- Jeff Hoyos
- Katie Hentrich
- Keith Greer
- Robyn Wapner
- Susan Freedman
- Temur Imam
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.

Attachments:  
1. April 2018 Rebate Statistics – San Diego  
2. April 2018 Rebate Statistics – California
The table below shows the rebates and rebate funding issued or approved to date as of April 2018:

### Rebates & Rebate Funding Issued or Approved to Date - Life of Project

<table>
<thead>
<tr>
<th>Vehicle Category</th>
<th>Rebates</th>
<th>Funding</th>
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<tbody>
<tr>
<td>PHEV</td>
<td>90,191</td>
<td>$140,419,043</td>
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<tr>
<td>BEV</td>
<td>137,798</td>
<td>$355,452,203</td>
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<tr>
<td>FCEV</td>
<td>3,328</td>
<td>$16,812,334</td>
</tr>
<tr>
<td>Other</td>
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<tr>
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### Rebates & Rebate Funding Issued or Approved to Date - Filtered

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<th>Vehicle Category</th>
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### Increased Rebates for Low-Moderate-Income (LMI) Consumers (since March 29, 2016*)

<table>
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<tr>
<th>Type</th>
<th>Rebates</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rebates</td>
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<tr>
<td>Funding</td>
<td></td>
<td>$28,591,950</td>
</tr>
</tbody>
</table>

*Please 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:
CVRP Rebate Statistics

Filter by:
- Consumer Type
  - All
- Rebate Type*
  - All
- Vehicle Category*
  - All
- Make
  - All
- Air District
  - All
- Electric Utility
  - All
- County
  - All
- California Senate District*
  - All
- California Assembly District*
  - All
- Disadvantaged Community*
  - (All)
- Funding Source*
  - All
- Grant Number*
  - All

CVRP Rebates by Month

Number of Rebates

- PHEV
- BEV
- FCEV
- Other

Filter by Application Date*:
March 18, 2010 to January 31, 2018

Vehicle Category
- PHEV
  - Highway capable, four-wheeled, plug-in hybrid electric vehicle (electricity & gasoline)
- BEV
  - Highway capable, four-wheeled, all-battery electric vehicle
- FCEV
  - Fuel-cell electric vehicle
- Other
  - Non-highway, motorcycle & commercial BEVs

Rebates Issued or Approved to Date*
- PHEV: 38.8%
- BEV: 59.4%
- FCEV: 1.4%
- Other: 0.4%

Percent of Filtered Total Rebates

Rebates & Rebate Funding Issued or Approved to Date* - Life of Project

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Increased Rebates for Low-/Moderate-Income (LMI) Consumers (since March 29, 2016*)

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<tr>
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</tbody>
</table>

Data is updated monthly. Last updated: April 11, 2018

Click here to download the entire dataset in Excel format: CVRPStats.xlsx

* Please 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:
City of San Diego Proposed Benchmarking Ordinance

The City of San Diego Climate Action Plan (CAP) calls for creating more energy-efficient buildings and establishing ordinances to conserve and disclose energy use. In pursuing CAP goals, the city is planning a benchmarking ordinance for commercial, multifamily and mixed-use properties and is soliciting public input on its provisions.

What is Benchmarking?

Benchmarking is the process of measuring your building's energy and water consumption and comparing it against past performance and to other similar buildings. To conduct benchmarking, most building owners and operators use ENERGY STAR® Portfolio Manager®, a free interactive software platform.

How is Benchmarking Being Addressed in California?

California adopted Assembly Bill (AB) 802 in 2015 that requires owners and operators of all commercial, multifamily and mixed-use properties 50,000 square feet or greater (and for multifamily and mixed-used properties with more than 17 units) to benchmark and publicly disclose building energy usage to the California Energy Commission. Additionally, AB 802 includes provisions for building owners and operators to obtain whole-building energy usage information directly from utilities, providing certain aggregation thresholds are met. The data access provisions ensure building owners can access the data they need to properly benchmark their building's total energy consumption.

Why Create a Local Ordinance?

A local ordinance will allow the city to prepare for the implementation of Assembly Bill 802, which requires owners of commercial, mixed-used and multifamily buildings larger than 50,000 square feet to report benchmarking metrics to the state starting in 2018.

More specifically, a local ordinance would help building owners by providing the following benefits:

- Locally-focused resources to help comply with statewide requirements
- Actionable building energy consumption information
- Enhanced understanding of energy costs when buying or leasing a property
- Opportunity to earn recognition for energy-efficient buildings
Frequently Asked Questions

What is Benchmarking?
Benchmarking is the process of measuring your building's energy consumption and comparing it against past performance and to other similar buildings.

What is ENERGY STAR® Portfolio Manager®?
ENERGY STAR Portfolio Manager is the industry-leading tool for building benchmarking. Learn more at PortfolioManager.EnergyStar.gov.

What is AB 802?
Assembly Bill 802 is the statewide data access and benchmarking program legislation passed in 2015. It requires energy benchmarking for commercial, multifamily and mixed-use buildings 50,000 square feet or greater and provides building owners with access to whole-building energy data. Learn more at energy.ca.gov/benchmarking.

What is the City Considering?
The city is considering development of a local energy benchmarking and disclosure ordinance. To receive information on ordinance development, visit SanDiego.gov/Benchmark.

What is the Center for Sustainable Energy?
The Center for Sustainable Energy (CSE) is a nonprofit with the mission to accelerate the transition to a sustainable world powered by clean energy. CSE staff are working with city staff to assist in stakeholder engagement and provide technical expertise on benchmarking policy development.

What Are the Next Steps?
San Diego will conduct a transparent process in pursuing a benchmarking ordinance by engaging the local community in its development. To effectively involve a wide array of stakeholders, the city is partnering with the Center for Sustainable Energy to provide the public an opportunity to voice their input.

Visit SanDiego.gov/Benchmark to learn more about the ordinance and access the link to CSE’s website where you can:

- Sign up for email updates
- View and register for upcoming outreach events
- Submit comments or questions
- Access stakeholder info and resources
SANDAG 2018 LEGISLATIVE PRIORITIES

Staff will discuss the 2018 Legislative Priorities approved by the Board of Directors on March 23, 2018. A list of legislative bills is included and EWG members are asked to review the bills and to share legislation that would support implementation of the Regional Energy Strategy.

Attachments: 1. Approved 2018 Legislative Program
                2. California State Legislature: Energy Legislation as of April 17, 2018
## 2018 LEGISLATIVE PROGRAM

**Overarching Goal:** Pursue policy and legislative changes that enable SANDAG to better implement its adopted plans and programs.

### (A) SPONSOR

<table>
<thead>
<tr>
<th>NO.</th>
<th>GENERAL DESCRIPTION OF GOAL</th>
<th>BOARD POSITION</th>
<th>JURISDICTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Work with federal, state, and local stakeholders to implement the Federal Surface Transportation Authorization, including appropriate funding levels, goods movement and border programs, transit investment and reforms, process improvements (including streamlined environmental processes), active transportation, and tribal transportation planning. (2007, 2012)</td>
<td>Sponsor</td>
<td>Federal/State</td>
</tr>
<tr>
<td>2A</td>
<td>Pursue resources and funding mechanisms consistent with financial strategies adopted in the Regional Transportation Plan (RTP) and Regional Comprehensive Plan (RCP), including but not limited to increasing revenues for transportation, cap-and-trade revenues, gas tax or equivalent revenue sources, bond measures, public/private partnerships, smart growth, and higher pass-through maintenance/preservation funding. (2012)</td>
<td>Sponsor</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>3A</td>
<td>Expand access to resources and technical tools that will enable SANDAG to implement San Diego Forward: The Regional Plan. (2009, 2015)</td>
<td>Sponsor</td>
<td>Federal/State</td>
</tr>
<tr>
<td>4A</td>
<td>Pursue policy and/or legislative changes to enable the use of freeway shoulders as transit lanes on major corridors in the San Diego region. (2006)</td>
<td>Sponsor</td>
<td>State</td>
</tr>
<tr>
<td>5A</td>
<td>Pursue efforts that address border transportation infrastructure needs consistent with the RTP, RCP, and California-Baja California Border Master Plan. (2012)</td>
<td>Sponsor</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>6A</td>
<td>Pursue policy and/or legislative changes to streamline the California Environmental Quality Act (CEQA) for public transit improvements, active transportation projects, and other transportation projects located within existing rights-of-way. (2013, 2015)</td>
<td>Sponsor</td>
<td>State</td>
</tr>
<tr>
<td>7A</td>
<td>Pursue policy and/or legislative changes to improve the planning and implementation of the RTP and its Sustainable Communities Strategy (SCS), including modifying the required planning cycle for major updates of the RTP/SCS and clarifying the level of CEQA analysis required for the associated program environmental document. (2013)</td>
<td>Sponsor</td>
<td>Federal/State</td>
</tr>
</tbody>
</table>
### (B) SUPPORT/OPPOSE

<table>
<thead>
<tr>
<th>NO.</th>
<th>GENERAL DESCRIPTION OF GOAL</th>
<th>BOARD POSITION</th>
<th>JURISDICTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1B</td>
<td>Legislation that provides incentives to jurisdictions that provide opportunities for more housing, including affordable and transit-oriented developments, supports regional fair-share allocation of housing funds, and provides additional affordable housing funding with greater local/regional control. (2002)</td>
<td>Support</td>
<td>Federal/State</td>
</tr>
<tr>
<td>2B</td>
<td>Policies and/or legislation implementing climate change plans and programs, including cap-and-trade that are consistent with the RCP and RTP. (2007, 2015)</td>
<td>Support</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>3B</td>
<td>Efforts to pursue resources to improve regional public safety voice and data communications and interoperability, including connectivity with state and federal systems. (2005)</td>
<td>Support</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>4B</td>
<td>Efforts to pursue funding at both the state and federal levels to improve public safety and security in the San Diego region through Automated Regional Justice Information System operations and enhancements, regional transportation system improvements, and activities related to regional emergency preparedness, prevention, and response to catastrophic events. (2003, 2005, 2011)</td>
<td>Support</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>5B</td>
<td>Fiscal reform initiatives that enable regions to develop their own fiscal strategies and oppose unfunded mandates on local governments. Pursue initiatives that balance the fiscal influence that sales tax revenues have upon local land use decisions. (2002)</td>
<td>Support</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>6B</td>
<td>Lower the current two-thirds voter requirement for special purpose taxes, such as transportation and quality of life improvements, to a simple majority vote. (2002)</td>
<td>Support</td>
<td>State</td>
</tr>
<tr>
<td>7B</td>
<td>Efforts assisting in the implementation of key environmental issues, including habitat conservation, planning, beach restoration and replenishment, and water quality-related issues. (2002)</td>
<td>Support</td>
<td>State/Local</td>
</tr>
<tr>
<td>8B</td>
<td>Mechanisms providing for the implementation of the RTP, including value pricing, Managed Lanes, High Occupancy Toll Lanes, the alleviation of current constraints on transponder technology, transit priority treatments, Transportation Demand Management, and other efforts that promote efficient use of highways and local roads. (2003)</td>
<td>Support</td>
<td>Federal/State</td>
</tr>
<tr>
<td>9B</td>
<td>Energy-related legislation, programs, and policies that are consistent with the Regional Energy Strategy. (2002, 2015)</td>
<td>Support</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>10B</td>
<td>Efforts to expand available methods of transportation project delivery, including design-build, design sequencing, construction manager/general contractor, and other alternative methods that expedite connectivity with state and federal systems. (2005)</td>
<td>Support</td>
<td>State</td>
</tr>
</tbody>
</table>

Please note, proposed changes are shown in red.
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>11B</td>
<td>Efforts to support funding opportunities and legislation that promote the implementation of effective and collaborative strategies and programs that maintain public safety and promote quality of life and public health, including initiatives that address substance abuse and graffiti abatement and reduce youth and gang violence.</td>
<td>Support</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>13B</td>
<td>Legislation and/or policies that promote governmental efficiencies and cost savings. (2009, 2015)</td>
<td>Support</td>
<td>Federal/State</td>
</tr>
<tr>
<td>14B</td>
<td>Transit boards’ legislative programs where consistent with SANDAG Policy. (2002)</td>
<td>Support</td>
<td>Federal/State</td>
</tr>
</tbody>
</table>

Please note, proposed changes are shown in red.
# General Description of Goal

<table>
<thead>
<tr>
<th>No.</th>
<th>General Description of Goal</th>
<th>Board Position</th>
<th>Jurisdiction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1C</td>
<td>Proposals that limit the use of eminent domain for public infrastructure projects. (2005)</td>
<td>Monitor</td>
<td>Federal/State</td>
</tr>
<tr>
<td>2C</td>
<td>Legislation affecting solid waste, water supply, and storm water, support of funding opportunities to assist in these areas. (2003)</td>
<td>Monitor/Respond</td>
<td>State/Local</td>
</tr>
<tr>
<td>3C</td>
<td>Legislation relating to personnel matters, i.e., workers’ compensation, Public Employee Retirement System benefits, and other labor related issues. (2003)</td>
<td>Monitor/Respond</td>
<td>Federal/State/Local</td>
</tr>
<tr>
<td>4C</td>
<td>Legislation requiring local agencies to implement new administrative compliance measures. (2005)</td>
<td>Monitor/Respond</td>
<td>Federal/State</td>
</tr>
<tr>
<td>5C</td>
<td>Legislative efforts related to offshore oil drilling in the coastal waters within the San Diego region. (2018)</td>
<td>Monitor</td>
<td>Federal/State</td>
</tr>
<tr>
<td>Bill Number</td>
<td>Author</td>
<td>Bill Title</td>
<td>Status</td>
</tr>
<tr>
<td>-------------</td>
<td>--------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>AB 1745</td>
<td>Ting D</td>
<td>Vehicles: Clean Cars 2040 Act.</td>
<td>1/16/2018-Referred to Committee on Transportation</td>
</tr>
<tr>
<td>AB 2061</td>
<td>Frazier D</td>
<td>Near-zero-emission and zero-emission vehicles.</td>
<td>4/4/2018-In committee: Set, first hearing. Referred to Appropriations suspense file.</td>
</tr>
<tr>
<td>AB 2077</td>
<td>Limón D</td>
<td>Electricity: net energy metering: eligible customer-generators.</td>
<td>4/11/2018-In committee: Hearing postponed by committee.</td>
</tr>
<tr>
<td>AB 2127</td>
<td>Ting D</td>
<td>Electric vehicle infrastructure: assessment and roadmap.</td>
<td>4/16/2018-From committee chair, with author’s amendments: Amend, and re-refer to Committee on Transportation. Read second time and amended.</td>
</tr>
<tr>
<td>AB 2885</td>
<td>Rodriguez D</td>
<td>Air Quality Improvement Program: Clean Vehicle Rebate Project.</td>
<td>4/9/2018-In committee: Hearing postponed by committee.</td>
</tr>
<tr>
<td>Bill Number</td>
<td>Sponsor</td>
<td>Bill Title</td>
<td>Status</td>
</tr>
<tr>
<td>--------------</td>
<td>---------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SB 1000</td>
<td>Lara D</td>
<td><strong>Transportation electrification: electric vehicle charging infrastructure.</strong></td>
<td>4/17/2018-Action from Energy, Utilities, and Commerce: Do pass as amended to Transportation and Housing Committee</td>
</tr>
<tr>
<td>SB 1014</td>
<td>Skinner D</td>
<td><strong>Zero-emission vehicles.</strong></td>
<td>4/9/2018-From committee with author's amendments. Read second time and amended. Re-referred to Committee on Energy, Utilities, and Commerce</td>
</tr>
<tr>
<td>SB 1072</td>
<td>Leyva D</td>
<td><strong>Regional Climate Collaborative Program: technical assistance.</strong></td>
<td>4/13/2018-Set for hearing April 24 in Natural Resources and Water pending receipt.</td>
</tr>
<tr>
<td>SB 1380</td>
<td>Stern D</td>
<td><strong>Clean Energy Financing Clearinghouse.</strong></td>
<td>4/10/2018-Set for hearing April 17.</td>
</tr>
<tr>
<td>SB 1399</td>
<td>Wiener D</td>
<td><strong>Renewable energy: shared renewable energy tariffs.</strong></td>
<td>4/12/2018-Set for hearing April 25.</td>
</tr>
</tbody>
</table>
COUNTY OF SAN DIEGO

CLIMATE ACTION PLAN

OVERVIEW

Timeline  
Board Adopted CAP  
Costs

Public Input  
Options  
Implementation
**Climate Action Timeline**

- **Mandate AB32:** 2020 GHG Reduction Target
- **Mandate SB32:** 2030 GHG Reduction Target
- **Executive Order S-3-05:** 2050 GHG Reduction Goal

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>BOS Adopts General Plan Update</td>
</tr>
<tr>
<td>2012</td>
<td>BOS Adopts 1st CAP</td>
</tr>
<tr>
<td>2015</td>
<td>BOS Rescinds 1st CAP</td>
</tr>
<tr>
<td>2017</td>
<td>PC Public Informational Meeting</td>
</tr>
<tr>
<td>2018</td>
<td>PC Recommends CAP</td>
</tr>
<tr>
<td>2018</td>
<td>BOS Adopts CAP</td>
</tr>
</tbody>
</table>

---

**2014 Baseline Emissions**

3,211,505 MTCO$_2$e

- **45%** on-road transportation
- **11%** solid waste
- **9%** natural gas
- **24%** electricity
- **5%** agriculture
- **1%** wastewater
- **<1%** propane
- **<1%** off-road transportation
- **4%** water

---

**County GHG Emissions by Sector (2014)**
GREENHOUSE GAS REDUCTIONS (2030)

50% STATE Legislative Actions
899,547 MTCO₂e

BUILT ENVIRONMENT & TRANSPORTATION

SOLID WASTE

WATER & WASTEWATER

AGRICULTURE & CONSERVATION

2020 Reduction Target: 3.1 Million MTCO₂e
2030 Reduction Target: 1.8 Million MTCO₂e

ENERGY EFFICIENCY

Energy Efficiency

Residential water heaters
40,000 Solar, electric or tankless gas water heaters

County facilities
20% Reduced energy use intensity
### Renewable Electricity

**Unincorporated county**

- **90%** Electricity from renewable sources

**County operations**

- **20%** Generated with renewables

**Existing homes**

- **130,175** Existing homes with PV

---

### Transportation

**Vehicle miles traveled (VMTs) reduced**

- Preserve open space & agricultural lands
  - Open Space Conservation: 6,992 acres
  - Ag Easements: 4,873 acres
- Transit ready villages
  - 15 Community Plans
- Roadway segments
  - 700 Centerline miles
  - 250 Intersections
  - 210 Bikeway lane miles
- Reduce commute vehicle miles
  - TDM (Transportation Demand Management)
  - COSD (County Employee Carpool & Telecommute)
**Vehicle Fleet**

- Alternative fuel construction equipment: 100%
  - County-initiated construction

- Vehicle retirement: 1,600 late-model vehicles retired

- County fleet
  - Reduction in County fleet emissions: 20%
  - Electric vehicle charging stations: 2,040

**Solid Waste**

- Solid waste diversion from landfills: 80%

**Strategic Plan to Reduce Waste**

- **IMPLEMENT**
  - County's Strategic Plan to Reduce Waste & increase solid waste diversion
WATER CONSUMPTION

Residential construction
- 100% Water efficient appliances and plumbing fixtures

Rain barrels
- 3,200 Rain barrels installed

County facilities
- 20% Reduction in potable water consumption

Outdoor water use
- 40% Reduction in outdoor water use for landscaping

AGRICULTURE

Preserve & expand tree growth
- 35,146 Residential Trees
- 49,000 County Trees

Farm equipment
- Gas & petroleum diesel powered farm equipment converted to electric: 8%
- Stationary irrigation pumps converted to electric: 44
## PUBLIC INPUT

- **Identifying cleaner sources of energy**
- **Changes to the transportation sector and land use planning**
- **Identify costs to implement the Climate Action Plan**
- **County leadership role in reducing GHG emissions**
- **Water use impacts of planting additional trees**

## KEY STAKEHOLDERS

- **Community Planning & Sponsor Groups**
- **CHAIRS**
- **Open to the Public**
- **Areas of Interest**

## PUBLIC INPUT

- **Water use impacts of planting additional trees**
- **Identifying cleaner sources of energy**
- **Changes to the transportation sector and land use planning**
- **Identify costs to implement the Climate Action Plan**
- **County leadership role in reducing GHG emissions**

## RECOMMENDATION & OPTIONS (897,145 MTCO$_2$e GHG REDUCTION)

<table>
<thead>
<tr>
<th>Recommendation</th>
<th>Option 1</th>
<th>Option 2</th>
<th>Option 3</th>
<th>Board Adopted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revised Climate Action Plan</td>
<td>Revised Climate Action Plan</td>
<td>Revised Climate Action Plan</td>
<td>Revised Climate Action Plan</td>
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</tr>
<tr>
<td>SEIR 80% Solid Waste Diversion Alternative</td>
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<td>SEIR 80% Solid Waste Diversion Alternative</td>
</tr>
<tr>
<td>Local Direct Investment Program 153,511 MTCO$_2$e</td>
<td>Local Direct Investment Program 100,294 MTCO$_2$e</td>
<td>Local Direct Investment Program 177,329 MTCO$_2$e</td>
<td>Local Direct Investment Program 140,845 MTCO$_2$e</td>
<td>Local Direct Investment Program 176,614 MTCO$_2$e</td>
</tr>
<tr>
<td>90% Renewable Energy</td>
<td>90% Renewable Energy</td>
<td>SEIR 100% Renewable Energy Alternative</td>
<td>90% Renewable Energy</td>
<td>90% Renewable Energy</td>
</tr>
</tbody>
</table>

### Recommendation 1
- Remove 3 Measures
  - T-3.1 Alternative fuel for construction equipment
  - E-1.1 Zero net energy for residential development
  - E-1.3 Energy efficiency audit

### Recommendation 2
- Remove 5 Measures
  - T-3.1 Alternative fuel for construction equipment
  - E-1.1 Zero net energy for residential development
  - E-1.3 Energy efficiency audit
  - E-2.2 Renewable electricity for non-residential development
  - W-1.2 Reduce outdoor water use

### Recommendation 3
- Remove 4 Measures
  - T-3.1 Alternative fuel for construction equipment
  - E-1.1 Zero net energy for residential development
  - E-1.3 Energy efficiency audit
  - E-2.2 Renewable electricity for non-residential development

### Board Adopted
- Remove 4 Measures
  - T-3.1 Alternative fuel for construction equipment
  - E-1.1 Zero net energy for residential development
  - E-1.3 Energy efficiency audit
  - E-2.2 Renewable electricity for non-residential development

### Modify Measures
- **Modify 2 Measures**
  - T-1.3 15 Community Plans
  - E-1.2 Subsidize Existing Residential Water Heaters
**IMPLEMENTATION & MONITORING**

### Existing Programs

**Timeline: Ongoing**

- Continue implementation & begin enhancements:
  - Tree Planting
  - PACE
  - Strategic Energy Plan
  - Strategic Plan to Reduce Waste
  - Incentives & Outreach
  - Conservation Efforts

### New Initiatives

**Timeline: 2 Years**

- Local Direct Investment Program (2020)
- EV Charging Stations Pilot Program (2020)
- Update first Community Plan (2020)
- Local Vehicle Retirement Program (2020)

### Code & Ordinance

**Timeline: 2 Years**

Development, analysis & Board consideration:

- Transportation Demand Management (TDM)
- Ordinance Amendments
- County Regulatory Code Amendments

---

**COUNTY OF SAN DIEGO**

THANK YOU
QUESTIONS?
Benchmarking Plan for San Diego

**WHY ARE WE HERE TODAY?**

- Inform you about the City of San Diego's proposed benchmarking ordinance
- Listen to your feedback
- Engage in an ongoing dialogue throughout the ordinance development process
- **Assist you in meeting statewide requirements**

sandiego.gov
Climate Action Plan (CAP)

Provides a roadmap for reaching sustainability goals in San Diego.

**Strategy 1 Goal**
Reduce residential, commercial, and municipal building energy use

---

What is Building Benchmarking?

1. **Gather** building details and energy data

2. **Input** data into free website

3. **Compare** performance against historical data and other similar properties
U.S. Building Benchmarking and Transparency Policies

- Public, commercial, and multifamily building benchmarking policy adopted
- Public and commercial building benchmarking policy adopted
- Public buildings benchmarked
• **Who’s Covered?**
  - Residential, commercial, and industrial buildings *(including structured parking and condominiums)*

• **Timelines**
  - December 1, 2017 100,000+ sqft
  - June 1, 2018 50,000+ sqft
  - June 1, 2019 20,000+ sqft

• **Who’s Covered?**
  - Commercial Buildings *(soon to include multifamily and mixed-use)*

• **Timelines**
  - October 1, 2011 50,000+ sqft
  - April 1, 2012 25,000+ sqft
  - April 1, 2013 10,000+ sqft
AB 802: Benchmarking Program

Requirements

- Commercial, multifamily, and mixed-use buildings
- 50,000 sqft or larger (and with 17+ units for multifamily/mixed-use)
- Benchmark whole-building energy data and report metrics annually

Timeline

- Commercial reporting begins June 2018
- Multifamily reporting begins June 2019
- Disclosure begins one year after reporting

AB 802: Data Access

- Utilities must provide aggregated whole-building energy use data to building owners upon request (started Jan 1, 2017)
- Building owner does NOT need permission from tenant when there are:
  - 3 or more accounts (all commercial)
  - 5 or more accounts (1+ residential accounts)
- For buildings with fewer tenants, the utility may be asked to verify it has tenant permission to provide the building owner data
Ordinance Provisions Aligned with AB 802

- Applies to buildings 50,000+ sqft (with 17+ units for residential) to start
- Involves annual reporting of energy consumption information
- Specifies tracking and reporting data using ENERGY STAR® Portfolio Manager®
- Makes building owners and managers responsible for reporting

Compliance Phasing Timeline

<table>
<thead>
<tr>
<th>Building Size Threshold (sf)</th>
<th>Commercial Reporting</th>
<th>Commercial Disclosure</th>
<th>Multifamily Reporting</th>
<th>Multifamily Disclosure</th>
</tr>
</thead>
<tbody>
<tr>
<td>50,000 + (AB 802)</td>
<td>2018</td>
<td>2019</td>
<td>2019</td>
<td>2020</td>
</tr>
<tr>
<td>50,000 + (City of San Diego)</td>
<td>2019</td>
<td>2020</td>
<td>2020</td>
<td>2021</td>
</tr>
</tbody>
</table>
Compliance Process

Data Collected

Descriptive Information
- Property address
- County
- Year built
- Primary use type
- Gross floor area
- Latitude and longitude
- Property or building name, if any
- Property floor area (building and parking)
- Open “comments” field for the building Owner or Owner’s Agent to provide additional information about the building
- ENERGY STAR Portfolio Manager Property ID
- Percentage of space occupied (Occupancy)
- Number of occupants
- Number of buildings (if served by one common Energy meter without submetering)

Output Information
- ENERGY STAR score, for eligible buildings
- Monthly and/or annual site Energy use by Energy type
- Monthly and/or annual weather-normalized site and/or source energy use intensity
- Monthly and/or annual peak electricity demand
- Total annual greenhouse gas emissions and
- Monthly and/or annual Site energy use intensity
- Compliance or noncompliance with this ordinance.
Data Visualization

Benefits for Building Owners

• Additional locally-focused resources to assist building owners in benchmarking

• Better information about building’s operating costs when buying or leasing a property

• Access to actionable information related to energy efficiency retrofit decisions

• Opportunity for building owners to distinguish themselves in the marketplace as energy efficient
Next Steps

• Seeking input from local community in a transparent ordinance refinement process

• Engage and learn at SanDiego.gov/Benchmark

• Questions or Comments? Contact

  Aaron (Yichen) Lu, Program Coordinator
  Environmental Services Department
  YLu@sandiego.gov