MEETING NOTICE AND AGENDA

ENERGY WORKING GROUP
The Energy Working Group may take action on any item appearing on this agenda.

Thursday, May 27, 2010
11:30 a.m. to 1:00 p.m.

SANDAG Board Room, 7th Floor
401 B Street, Suite 800
San Diego, CA 92101-4231

Staff Contact: Susan Freedman
(619) 699-7387
sfr@sandag.org

AGENDA HIGHLIGHTS

• ELECTRIC VEHICLES IN THE SAN DIEGO REGION
• THE EV PROJECT
• SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY AIR QUALITY MANAGEMENT PLAN

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<table>
<thead>
<tr>
<th>ITEM #</th>
<th>RECOMMENDATION</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>WELCOME AND INTRODUCTIONS</td>
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<td>2.</td>
<td>SUMMARY OF APRIL 22, 2010, ENERGY WORKING GROUP MEETING</td>
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<tr>
<td></td>
<td>The April 22, 2010, meeting summary is attached for Energy Working Group (EWG) review and approval.</td>
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<td>3.</td>
<td>PUBLIC COMMENT</td>
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<tr>
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<td>Members of the public who would like to address the EWG on a topic not on the agenda should do so at this time. Speakers are limited to three minutes each.</td>
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<td>4.</td>
<td>ELECTRIC VEHICLES IN THE SAN DIEGO REGION</td>
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<td>Staff will provide an overview of electric vehicle (EV) activities in the region including the near-term release of plug-in electric vehicles, regional planning priorities for electric charging infrastructure, and public-private collaborations.</td>
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<td>5.</td>
<td>THE EV PROJECT</td>
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<td>ECOTality North America will discuss “The EV Project,” the largest electric vehicle undertaking in U.S. history. SANDAG and SDG&amp;E have partnered with ECOTality North America and Nissan North America to provide local planning and support for electric charging infrastructure throughout the region.</td>
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<td>6.</td>
<td>SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY AIR QUALITY MANAGEMENT PLAN</td>
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<td>The Regional Airport Authority will present an overview of its Air Quality Management Plan that was adopted in December 2009. It will highlight a new Shuttle Incentive Program, later approved in March 2010, that will help ground transportation providers convert a portion of their vehicles to alternative fuels.</td>
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<td>RECOMMENDATION</td>
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<tr>
<td>+7. STATE ENERGY AND CLIMATE LEGISLATION</td>
<td>DISCUSSION</td>
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<td></td>
<td>At the April 22 meeting, EWG members identified several state bills to investigate further. Bill summaries including their status are attached.</td>
</tr>
<tr>
<td>+8. BLOOM ENERGY INFORMATION</td>
<td>INFORMATION</td>
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<td></td>
<td>At the request of some EWG members, attached is information on Bloom Energy from the company’s website.</td>
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<tr>
<td>+9. SCHEDULING AGENDA ITEMS FOR FUTURE MEETINGS</td>
<td>INFORMATION</td>
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<td></td>
<td>EWG members are invited to suggest topics for future meetings. The next EWG meeting is scheduled for June 24 and will include presentations related to energy-efficient building retrofit programs and financing programs. Over the remaining meetings in 2010, each meeting will focus primarily on one or more Regional Energy Strategy early actions. Attached is a list of EWG meeting dates through December 2010.</td>
</tr>
<tr>
<td>10. ADJOURN</td>
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+ next to an item indicates an attachment
ENERGY WORKING GROUP MEETING SUMMARY OF APRIL 22, 2010

AGENDA ITEM #1: WELCOME AND INTRODUCTIONS

Vice Chair Scott Anders, Energy Policy Initiatives Center, called the meeting to order at 11:40 a.m.

AGENDA ITEM #2: SUMMARY OF FEBRUARY 25, 2010, ENERGY WORKING GROUP MEETING

The February 25, 2010, meeting summary was unanimously approved.

AGENDA ITEM #3: PUBLIC COMMENT

Mr. Anders announced that a Natural Gas for Transportation Workshop was to be held on May 7, 2010, from 10 a.m. to 2 p.m. at the Naval Training Center Promenade. Nicole Capretz, Environmental Health Coalition, announced that Van Jones, President Obama’s former Green Jobs Advisor, is giving a lecture at the UCSD Price Center on May 11, 2010, at 7 p.m. Mike Evans, Shell Energy, commented that California’s actions to reduce its contribution to global warming will have little impact because it represents a minute proportion of total global greenhouse gas emissions.

AGENDA ITEM #4: PROGRESS REPORT ON SAN DIEGO GAS & ELECTRIC’S SMART METER PROGRAM

Ted Reguly, Director of the San Diego Gas & Electric Smart Meter Program, provided an overview of its smart meter program. Mr. Reguly stated six policy goals for deploying smart meters to residential customers. One goal was to provide customers more information on the true cost of the energy commodity. Additionally, smart meters are two-way bidirectional meters capable of measuring energy coming into the house and energy going out to the grid, which will help promote rooftop solar and plug-in hybrids. Mr. Reguly also described the wireless mesh network that enables transfer of information from the customer to the utility via cell towers and other communications devices. This network will enable remote communications and ultimately improve management and response for outages. To date, 700,000 units have been installed (400,000 electric and 300,000 natural gas), and installation is averaging between 5,000 to 7,000 units/day. Mr. Reguly stated that proactive outreach has prevented issues with uninformed or unsatisfied customers.

Andrew McAllister, California Center for Sustainable Energy, asked why meters for rooftop solar owners were among the last to be deployed. Mr. Reguly explained that an upgrade in smart meter technology will be available next year that will enhance the benefits to solar customers. Smart meters will be deployed to rooftop solar customers once the upgrade is available.
Mr. McAllister also inquired about the time frame for incorporating technologies such as home area networks (HAN). Mr. Reguly described a product that has set the standard for HAN technologies: ZigBee Smart Energy Profile 2.0. He stated that there have been some issues with the new update of the ZigBee, which has delayed the process of bringing this technology to the customers. Instead, pilot studies have been conducted to get customer feedback and to gauge customer response to these technologies: the first pilot study in Escondido demonstrated an 8 percent reduction in usage from 19 customers provided with real-time information on their energy use.

Mr. Evans asked what the total cost of the program was and projected savings. Mr. Reguly answered that the total cost was $572 million and that projected savings were roughly 200 megawatts of demand response, with additional savings coming from operational savings (e.g., not having to send technicians out to residential customers as often).

Donna Frye, City of San Diego, asked if the home area network chip allowed measurement of energy both in and out of a home. Mr. Reguly explained that the meter rather than a HAN measures the energy in and out. Ms. Frye then asked how a homeowner might benefit from putting energy back into the grid. Mr. Reguly said that solar customers are net metered. He also stated that with the proper rate structure (i.e., higher price during peak demand), solar energy could lower an energy bill, since solar energy tends to be produced most efficiently when the price of electricity is high. When asked if the current rate structure would provide these savings, Mr. Reguly stated that he couldn’t guarantee that the current rate structure would reduce a homeowner’s energy bill. Mr. McAllister added that most net metered customers have an increasing block structure rate, which is based on volume: the more energy used in a given period, the more expensive the next kilowatt hour is. These customers would save money through solar or energy efficiency by reducing the use of very expensive energy. Mr. Reguly added that the meter allows a customer to measure the energy use, influencing behavior changes.

Ms. Capretz asked about the time frame for the 200-megawatt savings. Mr. Reguly answered that the savings will start once the rates are initiated next summer. He added that interval billing will be started in April or May of next year, and described a peak time rebate that will be offered.

Mr. McAllister inquired if the savings included energy efficiency or was strictly based on load shifting. Mr. Reguly answered that previous studies have not included energy efficiency, but that it is likely that there will be more savings through energy efficiency.

**AGENDA ITEM #5: OVERVIEW OF CLIMATE CHANGE ADAPTATION AND 2050 REGIONAL TRANSPORTATION PLAN DRAFT WHITE PAPER**

Ron Saenz, SANDAG, provided a summary on the Overview of Climate Change Adaptation and the 2050 Regional Transportation Plan Draft White Paper. Mr. Saenz asked for input on the draft White Paper, which was prepared in response to AB 32 and SB 375. Some of the effects of climate change on the region’s transportation could include extreme temperatures causing buckling of roads and railroad tracks, winter storm events, fires and subsequent mudslides, and sea level rise in low-elevation areas.

Mr. Evans asked about including data on global emissions to provide context for the San Diego region. Rob Rundle, SANDAG, answered that a focus on adaptation in the draft White Paper is
needed because of the global nature of the problem: even with emission reductions locally, the
global emissions likely will not be reduced at a scale needed to avoid impacts of climate change.
The San Diego region will have to adapt to those impacts of the global emissions.

William Clevenger, South County Economic Development Council, asked about the information
provided in the draft White Paper that stated that the last ten years was the warmest decade on
record. He wanted to know what rate of sea level rise was experienced locally during the last
ten years corresponding to the warmer temperatures. Mr. Anders referenced the Scripps Institution
of Oceanography as the best resource to answer those questions. He also added that there were
two causes for sea level rise: expansion of water with increasing temperatures, and melting of land-
based ice. Mr. Clevenger restated that the predicted rate of sea level rise for San Diego’s coastline is
significant and a cause for concern. Andrew Martin, SANDAG, pointed out that conditions have
been relatively static for a long time, and that climate change is expected to result in significant sea
level rise over the coming decades.

AGENDA ITEM #6: STATE ENERGY AND CLIMATE CHANGE LEGISLATION

Mr. Anders introduced Attachment 1 of the agenda, which highlights some energy and climate
change bills that the Energy Working Group would like SANDAG staff to track. Mr. Martin added
that on page 26, the six priority early actions from the Regional Energy Strategy (RES) are listed,
suggesting a focus on the six priority actions while reviewing the bills. He explained that some bills
are more directly related to the RES, and referenced as examples the bills listed under the financing
category of the attached legislative summary.

Mr. McAllister provided an update on a bill that was renamed to SB 77 and recently signed by the
governor. Mr. McAllister explained that the bill will create a $50 million fund to support debt
service reserve for property assessed finance programs. Ms. Capretz stated that the Environmental
Health Coalition is following SB 722 related to the Renewable Portfolio Standard (RPS) requirement.
She stressed the importance of building local sources of renewable energy, such as solar, rather
then solely relying on out-of-state sources to reach the target that would be established by the bill.
Mr. Evans added that Renewable Energy Certificates (REC) for local sources of solar energy are one
way to encourage local renewable energy.

Mr. Evans pointed out that none of the legislation addressed SANDAG’s priority early action #6:
support reclaimed water projects. Mr. Anders clarified that EPIC tracks energy and climate change
legislation, and not necessarily water legislation. Mr. Martin added that SANDAG can work with the
legislative team to track bills related to energy and water, including reclaimed water.

AGENDA ITEM #7: FINAL CLIMATE ACTION STRATEGY

Mr. Martin announced that the Board of Directors approved the final Climate Action Strategy on
March 26, 2010. The entire report is available online at www.sandag.org/energy.

AGENDA ITEM #8: SCHEDULING AGENDA ITEMS FOR FUTURE MEETINGS

Ms. Frye suggested a presentation on Bloom Energy. Mr. Martin noted that the next few EWG
meetings will be planned around the priority actions of the RES, and that he will look into seeing
where Bloom Energy might fit in. Mr. Evans suggested inviting a speaker to discuss biofuels, such as
a local contact of his. Mr. McAllister announced that the Communities for Advanced Distributed Energy Resources (CADER) Conference will be held from April 28-29 at the Scripps Seaside Forum.

AGENDA ITEM #9: ADJOURN

The meeting was adjourned at 12:52 p.m.
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<tr>
<th>GEOGRAPHICAL AREA/ORGANIZATION</th>
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<th>NAME</th>
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<th>ATTENDING</th>
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<td>City of Coronado</td>
<td>Carrie Downey, Chair</td>
<td>Member</td>
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<td>North County Coastal</td>
<td>City of Solana Beach</td>
<td>Lesa Heebner</td>
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<td>City of Oceanside</td>
<td>Esther Sanchez</td>
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<td>Rebecca Jones</td>
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<td>Donna Frye</td>
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<td>Sherri Lightner</td>
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<td>County of San Diego</td>
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<td>Peter Livingston</td>
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<td>Metropolitan Transit System (MTS)</td>
<td>Sharon Cooney</td>
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<td>North County Transit District (NCTD)</td>
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<td>San Diego Gas &amp; Electric</td>
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<td>Matt Burkhart</td>
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<td>JC Thomas</td>
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<td>Ahmad Solomon</td>
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<td>San Diego Regional Chamber of Commerce</td>
<td>Shell Energy</td>
<td>Mike Evans</td>
<td>Member</td>
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<td>Mike Nagy</td>
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<td>North County Economic Development Council</td>
<td>David Lloyd</td>
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<td>South County Economic Development Council</td>
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<td>California Center for Sustainable Energy</td>
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<td>Andrew McAllister</td>
<td>Member</td>
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<td>Irene M. Stillings</td>
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<td>Environmental Health Coalition</td>
<td>___</td>
<td>Laura Hunter</td>
<td>Member</td>
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<td></td>
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<td>Nicole Capretz</td>
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<td>Energy Policy Initiatives Center</td>
<td>______</td>
<td>Scott Anders, Vice Chair</td>
<td>Member</td>
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<td></td>
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<td>Nilmini Silva-Send</td>
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<td>Regional Universities</td>
<td>University of California, San Diego (UCSD)</td>
<td>Dave Weil</td>
<td>Member</td>
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<td>San Diego State University (SDSU)</td>
<td>Dr. Heather Honea</td>
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<td>Port of San Diego</td>
<td>___</td>
<td>Michelle White</td>
<td>Member</td>
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<td>Sierra Club</td>
<td>Border Power Plants Working Group</td>
<td>Bill Powers</td>
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<td></td>
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<td>Carolyn Chase</td>
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<td>Regional Alternative Fuels Groups</td>
<td>San Diego Clean Cities Coalition</td>
<td>Greg Newhouse</td>
<td>Member</td>
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<td></td>
<td>Regional Sustainability Partnership, Clean Transportation Committee</td>
<td>Derek Turbide</td>
<td>Alternate</td>
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**OTHER ATTENDEES:**

Kraig Akers, Sempra Energy  
Risa Baron, SDG&E  
Josh Brock, City of San Diego  
Shaina Brown, Clean Tech San Diego  
Eric Engelman  
Julie Gelfat  
Jennifer Keith  
Mike Nagy, SDRCC  
Ted Reguly, SDG&E  
Susan Freedman, SANDAG  
Andrew Martin, SANDAG  
Kim Roeland, SANDAG  
Rob Rundle, SANDAG  
Ron Saenz, SANDAG
ELECTRIC VEHICLES IN THE SAN DIEGO REGION

**Introduction**

Significant activities are underway to develop adequate electric vehicle charging infrastructure for the San Diego region. Nissan North America plans to release a battery electric vehicle (BEV), the Nissan Leaf, in December 2010. GM plans to release a plug-in hybrid electric vehicle, the Chevy Volt, in 2011. Staff will provide an overview of regional and state plug-in electric vehicle (PEV) activities, including the roles of SANDAG, San Diego Gas and Electric (SDG&E), and the California Center for Sustainable Energy (CCSE).

**Discussion**

The San Diego region has built consensus around several alternative fuel policies through the preparation of the SANDAG Climate Action Strategy (March 2010); the update of the Regional Energy Strategy (December 2009); and the Regional Alternative Fuels, Vehicles, and Infrastructure Report (October 2009). These SANDAG strategies and reports identify the following actions to support the deployment of alternative fuel vehicles in the San Diego region:

- Support infrastructure development for alternative fueling stations and plug-in electric vehicle supply equipment (EVSE) (e.g., charging units).
- Support consistent EVSE permitting and installation processes.
- Support increased use of alternative fuels in government fleets and franchisee fleets.
- Provide education and outreach to local governments on the eTec-Nissan electric vehicle rollout.
- Seek funding to support the above efforts.

The San Diego region is one of five regions across the country that has been selected to participate in “The EV Project.” ECOtality North America (ECOtality) was awarded significant funding from the Department of Energy and California Energy Commission to undertake this project. A high level of collaboration in a short period of time is necessary among ECOtality, Nissan, and regional stakeholders including local governments, SDG&E, universities, businesses, CCSE, SANDAG, and others to ensure a successful future for electric vehicles in the San Diego region. The EV Project will be presented in Agenda Item 5.

Key Staff Contact: Susan Freedman, (619) 699-7387, sfr@sandag.org
San Diego Association of Governments

ENERGY WORKING GROUP

May 27, 2010

AGENDA ITEM NO.: 5

Action Requested: DISCUSSION

THE EV PROJECT

File Number 3200300

Introduction

Andy Hoskinson, San Diego Area Manager for ECOtality North America (ECOtality), will discuss the San Diego region’s participation in "The EV Project," the largest electric vehicle (EV) undertaking in U.S. history. Mr. Hoskinson will provide details of the national project, the San Diego region’s involvement, ongoing study components, and an upcoming workshop to support planning for regional electric charging infrastructure (EVSEs).

Discussion

On August 5, 2009, ECOtality North America, a subsidiary of ECOtality, Inc., was awarded a $99.8 million grant from the U.S. Department of Energy to embark on The EV Project. The Project officially was launched on October 1, 2009, and will last approximately 36 months. ECOtality is partnering with Nissan North America to deploy up to 4,700 zero-emission electric vehicles, the Nissan LEAF, and 11,210 charging systems to support them in strategic markets in five states: Arizona, California, Oregon, Tennessee, and Washington. In California, ECOtality also received $8 million grant from the California Energy Commission.

The EV Project will collect and analyze data to characterize vehicle use in diverse topographic and climatic conditions, evaluate the effectiveness of charge infrastructure, and conduct trials of various revenue systems for commercial and public charge infrastructure. The ultimate goal of The EV Project is to take the lessons learned from the deployment of these first 4,700 EVs, and the charging infrastructure supporting them, to enable the streamlined deployment of the next 5,000,000 EVs.

As part of this project, Nissan dealerships in the region will begin selling the Leaf, a plug-in battery electric vehicle, in December 2010. The first 1,000 Leafs sold will be to customers willing to participate in the Project and that meet certain study criteria. In exchange for participation, the customers will receive the typical EVSE and installation for their home at no cost. As part of the study, 2,500 PEV chargers are expected to be installed in the region between October 2010 and July 2011. A high level of collaboration in a short period among ECOtality, Nissan, and regional stakeholders is essential to the success of this project and the longer-term viability of plug-in electric vehicle charging infrastructure in the region. Visit www.theevproject.com for more information.

Key Staff Contact: Susan Freedman, (619) 699-7387, sfr@sandag.org
SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY
AIR QUALITY MANAGEMENT PLAN

Introduction

The Regional Airport Authority will present an overview of its Air Quality Management Plan (AQMP) adopted in December 2009. The Airport Authority will highlight its new Shuttle Incentive Program, approved in March 2010, to help ground transportation providers convert a portion of their vehicles to alternative fuels. The AQMP is available online at: www.san.org/sdcraa/airport_initiatives/environmental/air_quality.aspx.

Discussion

The purposes of the AQMP are to:

- Address California Attorney General’s Office Memorandum of Understanding commitments and Coastal Development Permit conditions related to greenhouse gas emissions
- Quantify existing greenhouse gas emissions
- Identify future greenhouse gas emissions reduction opportunities and funding sources
- Integrate the AQMP into the sustainability goals of the Airport Authority

Furthermore, the AQMP includes the following integral components:

- Baseline emissions inventory of criteria pollutants and greenhouse gases
- Analysis of potential emission reduction opportunities
- Analysis of greenhouse gases related to ground-based aircraft movement
- Addressing the Memorandum of Understanding with the Attorney General’s Office
- Shuttle Incentive Program to help ground transportation providers convert portion of their vehicles to alternative fuels
- Agency coordination

Key Staff Contact: Susan Freedman, (619) 699-7387, sfr@sandag.org
STATE ENERGY AND CLIMATE CHANGE LEGISLATION

Introduction

At the April 22 meeting, Energy Working Group members identified several state bills to investigate further. SANDAG legislative staff prepared bill summaries including their status as Attachment 1. Energy Working Group members are asked to discuss any bills they would like the group to monitor or evaluate, with an emphasis on bills that would help implement the priority early actions identified in the Regional Energy Strategy. A longer list of bills, prepared by the Energy Policy Initiatives Center of the University of San Diego School of Law, was included in the April 22 agenda.

Discussion

The following priority early actions are identified in the Regional Energy Strategy:

1. Pursue a comprehensive building retrofit program to improve efficiency and install renewable energy systems.
2. Create financing programs to pay for projects and improvements that save energy.
3. Utilize the SANDAG-SDG&E Local Government Partnership funding award to help local government identify opportunities and implement energy savings at government facilities and throughout their communities.
4. Support land use and transportation planning strategies that reduce energy use and GHG emissions.
5. Support planning of electric charging and alternative fueling infrastructure.
6. Support use of existing unused reclaimed water to decrease the amount of energy needed to meet the water needs of the San Diego region.

The last day for bills to be introduced in the current legislative session was February 19, 2010. Other important dates for the remainder of the session are provided below:

- May 28: Last day for fiscal committees to hear and report to the Floor bills introduced in their house. Also, last day for fiscal committees to meet prior to June 7.
- June 4: Last day to pass bills out of house of origin.
- July 2: Last day for policy committees to hear and report bills.
- August 13: Last day for fiscal committees to hear and report bills to the Floor.
- August 20: Last day to amend on the Floor.
- August 31: Last day for any bill to be passed. Final Recess begins on adjournment.
Important Dates Occurring During Final Recess 2010:

- September 30: Last day for governor to sign or veto bills passed by the Legislature before September 1 and in the governor's possession on or after Sept. 1.
- October 2: Bills enacted on or before this date take effect January 1, 2011.
- January 1, 2011: Statutes take effect.

Attachment: 1. Summary of State Energy and Climate Bills

Key Staff Contact: Susan Freedman, (619) 699-7387, sfr@sandag.org
<table>
<thead>
<tr>
<th>Bill Number</th>
<th>Author</th>
<th>Title</th>
<th>Last Amend</th>
<th>Disposition</th>
<th>Location</th>
<th>Summary</th>
<th>Status</th>
<th>Notes</th>
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<tr>
<td>CA AB 231</td>
<td>Huffman [D]</td>
<td>Global Warming Solutions Act of 2006: Trust Fund</td>
<td>06/26/2009</td>
<td>Pending</td>
<td>Senate Environmental Quality Committee</td>
<td>Requires the State Air Resources Board to adopt a schedule of fees contained in the State Global Warming Solutions Act of 2006, to be paid by the sources of greenhouse emissions which would be deposited in the Climate Protection Trust Fund, for purposes of carrying out the act. Requires federal climate change funds to be deposited into the fund.</td>
<td>06/26/2009 From SENATE Committee on ENVIRONMENTAL QUALITY with author’s amendments.</td>
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<td>06/26/2009 In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.</td>
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<td>CA AB 1106</td>
<td>Fuentes [D]</td>
<td>Renewable Electric Generation Facilities: Tariffs</td>
<td>07/15/2009</td>
<td>Pending</td>
<td>Senate Appropriations Committee</td>
<td>Makes the existing feed-in tariff statute applicable to an electric generation facility that interconnects to the grid and commences operation on or before a specified date. Requires certain such corporations to implement a standard-offer contract with feed-in tariff and requires the Public Utilities Commission’s approval of the contract and feed-in tariff. Provides different requirements for two separate tiers of tariff-eligible generation facilities. Relates to electricity pricing factors.</td>
<td>07/15/2009 In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.</td>
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<td>CA AB 1809</td>
<td>Smyth [R]</td>
<td>Home Inspections: Energy Audits</td>
<td>04/26/2010</td>
<td>Pending</td>
<td>Senate Business, Professions &amp; Economic Development Committee</td>
<td>Authorizes a home inspection to, if requested by the client, an inspection of energy efficiency or a home energy rating system home energy audit. Requires the home inspection report to include certain additional specified information. Declares the intent of the Legislature that a home energy rating system audit may, at the request of the client, be performed during escrow by a home inspector who is home energy rating system certified.</td>
<td>05/13/2010 To SENATE Committee on BUSINESS, PROFESSIONS AND ECONOMIC DEVELOPMENT.</td>
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<tr>
<td>Bill Number</td>
<td>Author</td>
<td>Title</td>
<td>Last Amendment</td>
<td>Disposition</td>
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<td>CA SB 722</td>
<td>Simitian [D] 33%?</td>
<td>Utilities: Renewable Energy Resources</td>
<td>03/04/2010</td>
<td>Pending</td>
<td>Assembly Rules Committee</td>
<td>Relates to an increase in the amount of electricity generated from renewable sources by a specified date using a phased in schedule, permitting a retail seller to delay compliance under specified circumstances, related annual compliance reports, methodology for the market price of electricity, publicly owned electric utility compliance with the renewables portfolio standard, implementation of a standard accounting system, new transmission facilities certification, and integration of sources into the grid.</td>
<td>03/04/2010 In ASSEMBLY. Read third time and amended. To third reading. 03/04/2010 Re-referred to ASSEMBLY Committee on RULES.</td>
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<td>CA SB 1048</td>
<td>Hancock [D]</td>
<td>Local Government: Community Facilities Districts</td>
<td></td>
<td>Pending</td>
<td>Senate Local Government Committee</td>
<td>Authorizes a community facilities district to finance and refinance the acquisition, installation, and improvement of energy efficiency, water conservation, and renewable energy improvements to or on real property and in buildings. Authorizes a separate procedure for establishing a community facilities district where the district initially consists solely of territory proposed for annexation to the community facilities district in the future.</td>
<td>02/24/2010 To SENATE Committee on LOCAL GOVERNMENT.</td>
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<td>CA SB 1340</td>
<td>Kehoe [D]</td>
<td>Energy: Alternative Fuels</td>
<td>04/22/2010</td>
<td>Pending</td>
<td>Senate Third Reading File</td>
<td>Specifies projects eligible for funding under the Alternative and Renewable Fuel and Vehicle Technology Program to include a cost-effective program to provide funding for homeowners who purchase an electric vehicle to offset costs associated with modifying electrical sources to include a residential plug-in electric vehicle charging station.</td>
<td>05/12/2010 In SENATE. Read second time. To third reading.</td>
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<tr>
<td>CA SB 1437</td>
<td>Kehoe [D]</td>
<td>Electricity: Plug-in Hybrid and Electric Vehicles</td>
<td>04/13/2010</td>
<td>Pending</td>
<td>ASSEMBLY</td>
<td>Requires the Public Utility Commission to determine, for each class of ratepayers, the direct costs and benefits associated with the expected additional load from plug-in hybrid and electric vehicles.</td>
<td>05/03/2010 In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.</td>
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BLOOM ENERGY INFORMATION

Introduction

At the request of some Energy Working Group members, attached is information on Bloom Energy from the company’s website. This is provided as an informational item and is not an endorsement of any company.

Discussion

Bloom Energy states that it develops on-site power generation systems that utilize a new fuel cell technology with roots in NASA’s Mars program. Derived from a common sand-like powder, and leveraging breakthrough advances in materials science, Bloom Energy continues that its technology is able to produce clean, reliable, affordable power, practically anywhere, and from a wide range of renewable or traditional fuels. By generating power on-site, where it is consumed, Bloom Energy offers increased electrical reliability and improved energy security, providing a clear path to energy independence. Founded in 2001, Bloom Energy is headquartered in Sunnyvale, California.

On February 21, 2010, Bloom Energy was profiled on 60 Minutes in a segment titled “The Bloom Box.” That segment can be viewed online at 60 Minutes’ website at: http://www.cbsnews.com/video/watch/?id=6228923n&tag=contentMain;contentBody.

Key Staff Contact: Susan Freedman, (619) 699-7387, sfr@sandag.org
SCHEDULING AGENDA ITEMS FOR FUTURE MEETINGS

The remaining Energy Working Group meetings for 2010 are listed below. Meetings will occur from 11:30 a.m. to 1:00 p.m. on the fourth Thursday of the month unless otherwise noted.

- June 24, 2010
- July 22, 2010
- August 26, 2010 (this meeting will be cancelled)
- September 23, 2010
- October 28, 2010
- November 18, 2010 (this meeting will be held one week early on the third Thursday of the month due to the Thanksgiving holiday)
- December 16, 2010 (this meeting will be held one week early on the third Thursday of the month due to the Christmas holiday)

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