

State of California
California Energy Commission
Minutes of the April 13, 2016, Energy Commission Business Meeting

The meeting was called to order by Chair Weisenmiller. The Pledge of Allegiance was led by Chair Weisenmiller.

Present:

Robert B. Weisenmiller, Chair

Karen Douglas, Commissioner

J. Andrew McAllister, Commissioner

David Hochschild, Commissioner

Janea A. Scott, Commissioner

The Chair announced that Item 15b has been pulled.

1. CONSENT CALENDAR. (Items on the Consent Calendar will be taken up and voted on as a group. A commissioner may request that an item be moved and discussed later in the meeting.)
 - a. GWF TRACY COMBINED-CYCLE POWER PLANT (08-AFC-7C). Proposed order granting the petition to: (1) transfer ownership from GWF Energy LLC to AltaGas San Joaquin Energy Inc. and (2) transfer operational control to AltaGas Tracy Operations Inc. Contact: Joseph Douglas.
 - b. GWF HANFORD EMERGENCY PEAKER POWER PLANT (01-EP-7C). Proposed order granting the petition to: (1) transfer ownership from GWF Energy LLC to AltaGas San Joaquin Energy Inc. and (2) transfer operational control to AltaGas Tracy Operations Inc. Contact: Joseph Douglas.
 - c. GWF HENRIETTA PEAKER POWER PLANT PROJECT (01-AFC-18C). Proposed order granting the petition to: (1) transfer ownership from GWF Energy LLC to AltaGas San Joaquin Energy Inc. and (2) transfer operational control to AltaGas Tracy Operations Inc. Contact: Joseph Douglas.
 - d. RIGHT-ENERGY TITLE 24 2016 VERSION 2.0 RESIDENTIAL COMPLIANCE SOFTWARE. Proposed resolution approving Right-Energy Title 24 Version 2.0 residential software from Wrightsoft Corporation used to demonstrate performance compliance with the residential provisions of the 2016 Building Energy Efficiency Standards (Public Resources Code Section 25402.1(a)). Contact: Larry Froess.
 - e. CITY OF SANTA MONICA. Proposed resolution approving the City of Santa Monica's locally adopted building energy standards to require greater energy efficiency than the 2013 Building Energy Efficiency Standards. Contact: Ingrid Neumann.
 - f. LAS GALLINAS VALLEY SANITARY DISTRICT. Proposed resolution approving Amendment 1 to Grant Agreement PIR-14-020 with the Las Gallinas Valley Sanitary District to reallocate funds in the budget from equipment to construction activities. The task budget and total commission funds will not change. The match funding will increase to reflect actual bid amounts acquired after the original budget was prepared. The purpose of this agreement is to install and operate a pre-commercial biogas energy recovery system which converts

wastewater treatment plant biogas into renewable power, heat, and vehicle fuel for onsite use. (PIER NG funding) Contact: Kevin Uy.

- g. LINDE, LLC. Proposed resolution approving Agreement ARV-15-055 with Linde, LLC for a grant, up to \$160,000 depending on the operational date of the hydrogen refueling station, to cover operation and maintenance costs of the station located at 2451 Bishop Dr., San Ramon, CA and gather data about the station. (ARFVTP funding) Contact: Brad Cole.
- h. HYGEN INDUSTRIES, LLC. Proposed resolution approving Agreement ARV-15-056 with HyGen Industries, LLC for a grant, up to \$160,000 depending on the operational date of the hydrogen refueling station, to cover operation and maintenance costs of the station located at 5060 Redwood Dr., Rohnert Park, CA and gather data about the station. (ARFVTP funding) Contact: Brad Cole.
- i. HYGEN INDUSTRIES, LLC. Proposed resolution approving Agreement ARV-15-057 with HyGen Industries, LLC for a grant, up to \$160,000 depending on the operational date of the hydrogen refueling station, to cover operation and maintenance costs of the station located 1914 East Chapman Ave., Orange, CA and gather data about the station. (ARFVTP funding) Contact: Brad Cole.

Commissioner Scott moved and Commissioner McAllister seconded approval of Item 1a-i. The vote was unanimous (5-0).

- 2. ENERGY COMMISSION COMMITTEE APPOINTMENTS. Possible approval of appointments to the Energy Commission's Standing Committees and Siting Case Committees. Contact: Kevin Barker. (5 minutes)
 - a. POMONA REPOWER PROJECT (16-SPPE-01) Proposed order appointing a Siting Committee for the Pomona Repower Project, a nominal net 100-megawatt (MW) peaking facility which will replace the existing 44.5 MW San Gabriel Cogeneration Facility in the City of Pomona, Los Angeles County, California. Applicant AltaGas Pomona Energy Inc. (Altagas) filed an application on March 21, 2016 for a Small Power Plant Exemption (SPPE) which, if granted, would exempt the project from the California Energy Commission's licensing requirements. Contact: Leonidas Payne. (Staff presentation: 5 minutes)

Commissioner Douglas moved and Commissioner McAllister seconded approval of Item 2a. The vote was unanimous (5-0). Chair Weisenmiller announced Commissioner Scott will be the Presiding Member and Commissioner Douglas will be the Associate Member.

- 3. ORDER INSTITUTING INFORMATIONAL (OII) PROCEEDING. Possible adoption of an OII to gather and assess information for preparation of the 2016 Integrated Energy Policy Report (IEPR) Update as required by Public Resources Code section 25302(a) and 25302(d). Contact: Heather Raitt. (Staff presentation: 5 minutes)

Commissioner Scott moved and Commissioner Hochschild seconded approval of Item 3. The vote was unanimous (5-0).

- 4. CLEAN ENERGY JOBS (Information Item). Informational presentation on recent trends in clean energy job growth in California. Contact: Rodolfo Orozco Beas. (Staff presentation: 10 minutes)

Staff presented Information Item 4.

- 5. 2016 NONRESIDENTIAL COMPLIANCE MANUAL UPDATE.
 - a. LIGHTING ALTERATION SUBCHAPTERS AND MINOR CLARIFICATIONS. Proposed resolution approving subchapters and compliance documents relating to

Lighting Alterations in the Nonresidential Compliance Manual for the 2016 Building Energy Efficiency Standards. This update to the manual also includes non-substantive edits to the existing language, which was approved on November 12, 2015. Contact: Peter Strait. (Staff presentation: 5 minutes)

- b. 2013 NONRESIDENTIAL LIGHTING ALTERATION COMPLIANCE OPTION. Proposed resolution approving compliance option to allow compliance with the 2013 Building Energy Efficiency Standards provisions for lighting alteration projects using the percent reduction method for determining project lighting power allowances. This compliance option is contingent on approval of the compliance documents for this option for the 2016 Building Energy Efficiency Standards. Contact: Peter Strait. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Hochschild seconded approval of Item 5a. The vote was unanimous (5-0). Commissioner McAllister moved and Commissioner Douglas seconded approval of Item 5b. The vote was unanimous (5-0).

6. DRIVING TO CLEANER TRANSPORTATION WEBPAGE (Information Item). Description of update to “Driving to Cleaner Transportation” webpage, which showcases projects funded under the Alternative and Renewable Fuel and Vehicle Technology Program (AB 118 and AB 8). Contact: Rhetta DeMesa. (Staff presentation: 5 minutes)

Staff presented Information Item 6.

7. 2016-2017 INVESTMENT PLAN UPDATE FOR THE ALTERNATIVE AND RENEWABLE FUEL AND VEHICLE TECHNOLOGY PROGRAM. Proposed resolution approving the 2016-2017 Investment Plan Update for the Alternative and Renewable Fuel and Vehicle Technology Program. The purpose of the program is to develop and deploy innovative technologies that transform California’s fuel and vehicle types to help attain the state’s climate change goals. The annual Investment Plan Update determines priorities and opportunities for the program, describes how funding will complement existing public and private efforts, and serves as a guide for funding decisions. Contact: Jacob Orenberg. (Staff presentation: 15 minutes)

Commissioner Scott moved and Commissioner McAllister seconded approval of Item 7. The vote was unanimous (5-0).

8. UNIVERSITY OF CALIFORNIA, IRVINE. Proposed resolution approving Amendment 1 to Contract 600-14-006 with the Regents of the University of California, on behalf of the Irvine campus for the Natural Gas Vehicle Incentive Project, to augment the contract by \$12,556,000 and extend the term of the contract by 12 months. The additional funding will provide \$11,616,000 for natural gas vehicle incentives along with \$940,000 for administrative costs and natural gas research work related to California’s sustainable freight activities. (ARFVTP funding) Contact: Andre Freeman. (Staff presentation: 5 minutes)

Commissioner Scott moved and Commissioner Douglas seconded approval of Item 8. The vote was unanimous (5-0).

9. DC FAST CHARGING INFRASTRUCTURE FOR CALIFORNIA'S NORTH-SOUTH CORRIDORS, GFO-15-601. This solicitation sought proposals to provide funding for projects that will install Direct Current (DC) fast charging stations on Interstate 5, State Route 99 and U.S. Highway 101 to facilitate north-south electric vehicle travel in California between the Oregon border and Mexico. (ARFVTP funding) Contact: Thanh Lopez. (Staff presentation: 10 minutes)

- a. NRG EV SERVICES LLC. Proposed resolution approving Agreement ARV-15-058 with NRG EV Services LLC for a \$1,449,928 grant to deploy fifteen electric vehicle charging stations (consisting of ten DC fast chargers and five level 2 electric vehicle charging stations) at five sites between Red Bluff and north of Sacramento along Interstate 5.
- b. RECARGO, INC. Proposed resolution approving Agreement ARV-15-059 with Recargo, Inc. for a \$1,632,735 grant to deploy 19 electric vehicle charging stations (consisting of 11 DC fast chargers and eight level 2 electric vehicle charging stations) at eight sites between San Jose and Buellton along United States Highway 101.
- c. NRG EV SERVICES LLC. Proposed resolution approving Agreement ARV-15-060 with NRG EV Services LLC for a \$210,000 grant to deploy three electric vehicle charging stations (consisting of two DC fast chargers and one level 2 electric vehicle charging station) at one site between Red Bluff and north of Sacramento along State Route 99.
- d. CHARGEPOINT, INC. Proposed resolution approving Agreement ARV-15-061 with ChargePoint, Inc. for a \$1,043,790 grant to deploy eight electric vehicle charging stations (consisting of four DC fast chargers and four level 2 electric vehicle charging stations) at four sites between Wheeler Ridge and Santa Clarita along Interstate 5.
- e. CHARGEPOINT, INC. Proposed resolution approving Agreement ARV-15-062 with ChargePoint, Inc. for a \$1,997,222 grant to deploy 17 electric vehicle charging stations (consisting of nine DC fast chargers and eight level 2 electric vehicle charging stations) at eight sites along Interstate 5 from the Oregon border to Red Bluff.
- f. CHARGEPOINT, INC. Proposed resolution approving Agreement ARV-15-063 with ChargePoint, Inc. for a \$698,603 grant to deploy eight electric vehicle charging stations (consisting of four DC fast chargers and four level 2 electric vehicle charging stations) at four sites between south of Sacramento to north of Wheeler Ridge along Interstate 5.
- g. EV CONNECT, INC. Proposed resolution approving Agreement ARV-15-064 with EV Connect, Inc. for a \$140,001 grant to deploy three electric vehicle charging stations (consisting of one DC fast charger and two level 2 electric vehicle charging stations) at one site between San Clemente and Oceanside on Interstate 5.
- h. EV CONNECT, INC. Proposed resolution approving Agreement ARV-15-065 with EV Connect, Inc. for a \$851,589 grant to deploy 15 electric vehicle charging stations (consisting of ten DC fast chargers and five Level 2 electric vehicle charging stations) at five sites along the Highway-99 corridor between Sacramento and Fresno.
- i. EV CONNECT, INC. Proposed resolution approving Agreement ARV-15-066 with EV Connect, Inc. for a \$851,589 grant to deploy 15 electric vehicle charging stations (consisting of ten DC fast chargers and five level 2 electric vehicle charging stations) at five sites between Fresno and Wheeler Ridge along Highway 99.

Commissioner Scott moved and Commissioner McAllister seconded approval of Item 9a-i. The vote was unanimous (5-0).

10. QUANTITATIVE BIOSCIENCES, INC. Proposed resolution approving Agreement ARV-15-067 with Quantitative BioSciences, Inc. for a \$2,000,000 grant to design, construct and operate a pilot Membrane Gas Purification System to produce at least 100,000 diesel gallon equivalents per year of biomethane transportation fuel at Fiscalini dairy farm in Modesto. In addition, Quantitative BioSciences will design, construct and operate a high rate algae pond and use the carbon dioxide from its anaerobic digester to feed the algae, rather than release it into the air. (ARFVTP funding) Contact: Akasha Khalsa. (Staff presentation: 5 minutes)

Commissioner Scott moved and Commissioner Douglas seconded approval of Item 10. The vote was unanimous (5-0).

11. ITRON, INC. WHICH WILL DO BUSINESS IN CALIFORNIA AS IBS. Proposed resolution approving Agreement 500-15-003 with Itron, Inc. which will do business in California as IBS for a \$419,930 contract to audit and evaluate the operational performance of solar energy systems that received incentives through the California Energy Commission's New Solar Homes Partnership program. (RRTF funding) Contact: Elizabeth Hutchison. (Staff presentation: 5 minutes)

Commissioner Hochschild moved and Commissioner McAllister seconded approval of Item 11. The vote was unanimous (5-0).

12. PUBLIC INTEREST ENERGY RESEARCH 2015 ANNUAL REPORT. Proposed resolution approving the PIER 2015 Annual Report to the Legislature. Contact: Erik Stokes. (Staff presentation: 5 minutes)

Commissioner Douglas moved and Commissioner Scott seconded approval of Item 12. The vote was unanimous (5-0).

13. ELECTRIC PROGRAM INVESTMENT CHARGE (EPIC) 2015 ANNUAL REPORT. Proposed resolution approving the EPIC 2015 Annual Report to the Legislature. Contact: Erik Stokes. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 13. The vote was unanimous (5-0).

14. REGIONAL ENERGY INNOVATION CLUSTERS, GFO-15-306. This solicitation sought proposals to significantly expand and improve incubator-type services and facilities available to clean energy entrepreneurs in the Bay Area, Central Valley, Los Angeles and San Diego regions. (EPIC funding) Contact: Diana Gonzalez. (Staff presentation: 10 minutes)
 - a. CLEANTECH SAN DIEGO ASSOCIATION. Proposed resolution approving Agreement EPC-15-030 with Cleantech San Diego Association for a \$5,000,000 grant to enhance, expand and coordinate entrepreneurial assistance services and resources available to clean energy entrepreneurs and researchers in San Diego, Imperial, Riverside, and San Bernardino counties. In addition, this project will work with businesses, local jurisdictions, and other organizations in the region to determine region-specific needs and connect new energy innovations to those needs.
 - b. PHYSICAL SCIENCE INNOVATIONS INC. Proposed resolution approving Agreement EPC-15-032 with Physical Science Innovations, Inc. for a \$4,980,000 grant to establish a Bay Area Regional Energy Innovation Cluster to provide technical and commercialization support to Bay Area entrepreneurs developing breakthrough materials and hardware devices for the electricity sector.

- c. CALIFORNIA STATE UNIVERSITY, FRESNO FOUNDATION. Proposed resolution approving Agreement EPC-15-038 with California State University, Fresno Foundation for a \$5,000,000 grant to significantly expand and improve incubator-type services and facilities in the Central Valley and North State regions. The Central Valley Regional Energy Innovation Cluster will primarily focus on incubation services for entrepreneurs developing energy technologies for the water and agriculture sectors and connecting them with businesses and economic development organizations in the Central Valley and North State.

Commissioner McAllister disclosed that his former employer Center for Sustainable Energy is a subcontractor and he would recuse himself from Item 14a. Commissioner McAllister disclosed that his wife is a professor at UC Davis King Hall and that UC Davis is a part of Item 14c. Commissioner Douglas disclosed that she was formerly a professor at UC Davis King Hall and that UC Davis is a part of Item 14c. Commissioner McAllister moved and Commissioner Hochschild seconded approval of Item 14b-c. The vote was unanimous (5-0). Commissioner McAllister left the room for Item 14a. Commissioner Hochschild moved and Commissioner Douglas seconded approval of Item 14a. The vote was 4-0.

15. REDUCING COSTS FOR COMMUNITIES AND BUSINESSES THROUGH INTEGRATED DEMAND-SIDE MANAGEMENT AND ZERO NET ENERGY DEMONSTRATIONS, GFO-15-308. This solicitation sought proposals for integrated technologies, strategies, and demonstrations that can maximize energy efficiency and help achieve zero net energy in new and existing buildings. (EPIC funding) Contact: Bradley Meister. (Staff presentation: 5 minutes)

- a. PROSPECT SILICON VALLEY. Proposed resolution approving Agreement EPC-15-041 with Prospect Silicon Valley for a \$2,999,591 grant to fund the demonstration of large scale, cost-effective energy efficiency improvements to achieve zero net energy or near zero net energy use in a grocery store. The demonstration site is in the Bay Area.
- b. CALIFORNIA HOMEBUILDING FOUNDATION. Proposed resolution approving Agreement EPC-15-042 with California Homebuilding Foundation for a \$4,819,805 grant to fund a community-scale demonstration of cost-effective zero net energy construction for a subdivision of single-family homes. The project will identify, develop and demonstrate cost effective designs and evaluate actual energy savings, costs, behavioral aspects, and indoor air quality in these homes. The demonstration site is Southern California.

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 15a. The vote was unanimous (5-0). Item 15b was held. (No action was taken.)

16. REDUCE THE ENVIRONMENTAL AND PUBLIC HEALTH IMPACTS OF ELECTRICITY GENERATION AND MAKE THE ELECTRICITY SYSTEM LESS VULNERABLE TO CLIMATE IMPACTS: PHASE II, GFO-15-309. This solicitation will focus on air quality, aquatic resources, terrestrial resources, and climate change related to energy generation, transport, and use. (EPIC funding) Contact: Sonya Ziaja. (Staff presentation: 15 minutes)

- a. ELECTRIC POWER RESEARCH INSTITUTE, INC. Proposed resolution approving Agreement EPC-15-028 with Electric Power Research Institute, Inc. for a \$799,444 grant to conduct a statewide analysis of the economic and environmental attributes of electrification in lieu of other energy sources. This project will develop an analysis that clearly shows the costs and benefits of a multitude of electrification technologies. The study will closely examine the

potential benefits and costs of electrification to environmental justice concerned areas.

- b. BLACK & VEATCH CORPORATION. Proposed resolution approving Agreement EPC-15-029 with Black & Veatch Corporation for a \$199,976 grant to develop a transparent, analytically rigorous, publicly available tool that enables renewable distributed generation site selection in environmentally preferred locations and to apply it in a local case study.
- c. UNIVERSITY OF CALIFORNIA, DAVIS. Proposed resolution approving Agreement EPC-15-033 with the Regents of the University of California, on behalf of the Davis campus for a \$1,500,000 grant to develop and demonstrate approaches to synergistically improve ventilation and indoor environmental quality during HVAC and whole building energy efficiency retrofits in California schools, with the ultimate target of identifying and demonstrating approaches and technologies that are needed for Zero-Net Energy schools.
- d. PUBLIC HEALTH INSTITUTE. Proposed resolution approving Agreement EPC-15-034 with Public Health Institute for a \$151,000 grant to lead the effort to create a public health research roadmap aimed at anticipating and preventing potential unintended health impacts of emerging energy systems (EES). The "Emerging Energy Public Health Research Roadmap" will be compiled from state of the art information on EES and their potential health impacts to workers, consumers and the general public in California.
- e. DOE-LAWRENCE BERKELEY NATIONAL LABORATORY. Proposed resolution approving Agreement EPC-15-035 with the Department of Energy's Lawrence Berkeley National Laboratory for a \$625,000 grant to develop a model based on empirical research and fieldwork and capable of establishing the amount of electricity used for groundwater pumping statewide as a function of water demand, surface water and subsurface groundwater dynamics, pump efficiency, and climate conditions. The research and fieldwork will provide the data necessary to improve the reliability of California's electric and water systems in responding to drought, electricity demand increases and variable electricity supply.
- f. EAGLE ROCK ANALYTICS. Proposed resolution approving Agreement EPC-15-036 with Eagle Rock Analytics for a \$400,000 grant to develop and improve seasonal and decadal climate forecasts tailored for the management and planning of the electricity system.
- g. DOE-LAWRENCE BERKELEY NATIONAL LABORATORY. Proposed resolution approving Agreement EPC-15-037 with the Department of Energy's Lawrence Berkeley National Laboratory for a \$1,500,000 grant to develop smart ventilation systems to improve indoor air quality and to save energy. The research will be able to inform future enhancements to Title 24 and ASHRAE Standard 62.2.
- h. UNIVERSITY OF CALIFORNIA, BERKELEY. Proposed resolution approving Agreement EPC-15-039 with the Regents of the University of California, on behalf of the Berkeley campus for a \$499,181 grant to determine the effect of utility scale solar installations on the soil carbon cycle in deserts and arid landscapes.
- i. UNIVERSITY OF CALIFORNIA, LOS ANGELES. Proposed resolution approving Agreement EPC-15-043 with the Regents of the University of California, on behalf of the Los Angeles campus for a \$599,236 grant to assess population-level exposure of migratory birds to impacts of renewable energy

development and identify sites for future renewable energy facilities that minimize such exposure.

Commissioner McAllister disclosed that his wife is a professor at UC Davis King Hall and that UC Davis is a part of Item 16c. Commissioner Douglas disclosed that she was formerly a professor at UC Davis King Hall and that UC Davis is a part of Item 16c. Commissioner McAllister moved and Commissioner Scott seconded approval of Item 16a-i. The vote was unanimous (5-0).

17. DEVELOPING A PORTFOLIO OF ADVANCED EFFICIENCY SOLUTIONS PHASE II: PLUG LOAD TECHNOLOGIES AND APPROACHES FOR BUILDINGS, GFO-15-310. This solicitation sought proposals to fund applied research and development projects that develop next generation plug load efficiency technologies and strategies for the building sector. This solicitation applies to new construction and existing residential and commercial buildings in California. Funded projects emphasize emerging plug load technologies and improvements to processes and operations in new construction or existing buildings. (EPIC funding) Contact: Felix Villanueva. (Staff presentation: 10 minutes)
- a. FISHER-NICKEL, INC. Proposed resolution approving Agreement EPC-15-027 with Fisher-Nickel, Inc. for a \$937,469 grant to assess the energy reduction potential of electric commercial plug load foodservice equipment at five different commercial kitchens, and demonstrate reduced energy consumption through the use of pre-commercial appliance designs and control technologies. The project locations are in the Bay Area.
 - b. ELECTRIC POWER RESEARCH INSTITUTE (EPRI). Proposed resolution approving Agreement EPC-15-031 with EPRI for a \$1,050,022 grant to research and develop an integrated flexible energy management system that incorporates user presence and information from plug load systems to achieve energy and demand reductions. The project locations are in the Bay Area.

Commissioner McAllister moved and Commissioner Hochschild seconded approval of Item 17a-b. The vote was unanimous (5-0).

18. NAVIGANT CONSULTING, INC. Proposed resolution approving Agreement 300-15-009 with Navigant Consulting, Inc. for a \$6,937,889 contract to conduct market analyses and provide commercialization assistance that will increase the market impact of energy technologies funded through the EPIC. Activities will include identifying customer pain points for key economic sectors in California, conducting market analysis for EPIC-funded projects, including Go-to-Market strategies, cost modeling, and supply chain and manufacturability analysis, and estimating the market potential for critical market segments. (EPIC funding) Contact: Nicholas Blair. (Staff presentation: 5 minutes)

Commissioner Hochschild was not present for this item. Commissioner Scott moved and Commissioner McAllister seconded approval of Item 18. The vote was 4-0.

19. ITRON, INC., WHICH WILL DO BUSINESS IN CALIFORNIA AS IBS. Proposed resolution approving Agreement 300-15-008 with Itron, Inc. which will do business in California as IBS, for a \$999,884 contract to work with Energy Commission staff to develop, in consultation with stakeholders and subject matter experts, a technical assessment of key Zero-Net Energy (ZNE) building research, development, demonstration and deployment (RDD&D) needs and develop a research roadmap that identifies, describes and prioritizes those needs for achieving the state's goals for ZNE buildings in a safe, equitable and cost-beneficial manner. (EPIC funding) Contact: Joshua Croft. (Staff presentation: 5 minutes)

Commissioner Hochschild was not present for this item. Commissioner McAllister moved and Commissioner Douglas seconded approval of Item 19. The vote was 4-0.

20. **Minutes:** Possible approval of the March 9, 2016 Business Meeting Minutes.

Commissioner Hochschild was not present for this item. Commissioner Douglas moved and Commissioner Scott seconded approval of Item 20. The vote was 4-0.

21. **Lead Commissioner or Presiding Member Reports.** The Commissioners reporter on their recent activities.

22. **Chief Counsel's Report:** The Chief Counsel gave a report.

23. **Executive Director's Report.** The Executive Director gave a report.

24. **Public Adviser's Report.** The Public Adviser gave a report.

25. **Public Comment:** None

Appearances:

(*by telephone)

(**Public Advisor read their script)

*Rick Brown, TerraVerde Renewable Partner

*Sekita Grant, The Greenlining Institute

*Charlyn Hook, California Public Utilities Commission

**Tom James, Intelligent Efficiency

*Mostasa Kashe, Los Angeles County Dept. of Public Works

*Leslie Kramer, Stanford University

*Don Link, Controlled Energy

*Matt McClory, Toyota

*Scott Randolph, Contractor

*Mike Stone, National Electrical Manufacturers Association

*Matt Tracy, Enlight

*Erik Yan, EV Connect

Gregory Mahoney, City of Davis

Thomas Enslow, Esq., California IBEW/NECA LMCC

Gene Thomas, Ecology Action

Peter Christensen, Air Resources Board

Jason Anderson, Clean Tech San Diego

Andrew Coleman, Electric Power Research Institute

**Aaron Klemm, CSU Chancellor's Office

Bonnie Holmes, ALA in California

Eileen Tutt, California Electric Transportation Coalition

David Zoldoske, Fresno State

Tim Carmichael, SoCalGas
Dedrick Roper, Chargepoint

There being no further business, the meeting was adjourned.

Respectfully submitted,



CODY GOLDTHRITE
Secretariat

