

STATE OF CALIFORNIA
California Energy Commission
Minutes of the April 22, 2014, Energy Commission Business Meeting

The meeting was called to order at 9:00 by Chair Robert B. Weisenmiller. The Pledge of Allegiance was led by Chair Weisenmiller.

Present:

Robert B. Weisenmiller, Chair
Karen Douglas, Commissioner

David Hochschild, Commissioner
Janea A. Scott, Commissioner

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. RIDGECREST SOLAR POWER PROJECT (09-AFC-09). Proposed order approving Staff's Motion to Terminate the Ridgecrest Solar Power Project. The applicant, Solar Trust America, and its German parent company, Solar Millennium AG, filed for bankruptcy and have been liquidated. The Right of Way application to the Bureau of Land Management has been withdrawn. Accordingly, there is no longer an applicant and nothing to indicate that this project will be pursued further. Staff's motion is unopposed. Contact: Raoul Renaud.

Commissioner Scott moved and Commissioner Hochschild seconded approval of the Consent Calendar. The vote was unanimous. (4-0)

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)

No action was taken on Item 2.

3. PASTORIA ENERGY FACILITY (99-AFC-7C). Proposed order granting the petition to amend Condition of Certification AQ-16 to eliminate the carbon monoxide (CO) one-hour concentration limit of 25 ppm that becomes effective two hours after a start-up. Existing conditions of certification limiting hourly, daily, and annual CO emissions keep the project in compliance with applicable laws, ordinances, regulations, and standards. Contact: Mary Dyas. (10 minutes)

Commissioner Scott moved and Commissioner Hochschild seconded approval of Item 3. The vote was unanimous. (4-0)

4. ABENGOA MOJAVE SOLAR PROJECT (09-AFC-5C). Proposed order granting the revised petition to amend the California Energy Commission Decision. The revised petition requests to update the Abengoa Mojave Solar (AMS) Alpha and Beta Power Blocks' general arrangements to replace boiler Volatile Organic Compound control systems, update heat transfer fluid (HTF) storage tank condensers to include vent scrubbers, reduce the number of HTF expansion vessels, replace two Tier 2 emergency generators with two smaller Tier 2 units, reduce stack height on emergency generators and fire pump engines to a minimum of 20 feet above ground level, remove the operational testing restriction on emergency engines to allow simultaneous emergency equipment testing, and replace two Tier 3 fire pump engines with two larger Tier 3 engines. The revised petition also requests removing, adding and changing various Air Quality Conditions of Certification due to equipment changes that have occurred during

the final detailed engineering design phase for the AMS Project. The project would continue to comply with applicable laws, ordinances, regulations, and standards.
Contact: Dale Rundquist. (10 minutes)

Commissioner Douglas moved and Commissioner Scott seconded approval of Item 4. The vote was unanimous. (4-0)

5. COLUSA GENERATING STATION (06-AFC-9C). Proposed order granting the petition to amend the California Energy Commission Decision to modify various Soil & Water and Air Quality Conditions of Certification and allow requested changes to the Colusa Generating Station. Due to drought conditions, the project will temporarily truck project water to the site instead of receiving water supply via the Tehama-Colusa Canal.
Contact: Eric Veerkamp. (10 minutes)

Commissioner Douglas moved and Commissioner Hochschild seconded approval of Item 5. The vote was unanimous. (4-0)

6. ELECTRIC PROGRAM INVESTMENT CHARGE (EPIC) TRIENNIAL INVESTMENT PLAN. Proposed resolution approving the 2015-17 EPIC Program Triennial Investment Plan, Staff Final Report. This triennial investment plan presents the Energy Commission's strategy for administering \$388.8 million to fund applied research and development, technology demonstration and deployment, and market facilitation from 2015 to 2017 under the EPIC Program. The California Public Utilities Commission (CPUC) EPIC Phase 2 Decision 12-05-037 established the purposes and governance of the EPIC Program funding and designated the Energy Commission as one of the four administrators of the EPIC Program. The Energy Commission's development work on the EPIC investment plan was conducted in accordance with Senate Bill 1018 (Chapter 39, Statutes of 2012), Senate Bill 96 (Chapter 356, Statutes of 2013), and the Energy Commission's broad authority under Public Resources Code Sections 25216(c) and 25401. As part of its consideration and adoption of the EPIC investment plan, the Energy Commission may suggest and adopt changes to the investment plan at the Business Meeting. In addition, the Energy Commission may authorize the Executive Director to file the adopted investment plan with the CPUC and to make adjustments to the plan as part of the CPUC EPIC proceeding. Contact: Laurie ten Hope. (15 minutes)

Commissioner Douglas moved and Commissioner Scott seconded approval of Item 6. The vote was unanimous. (4-0)

7. ELECTRIC PROGRAM INVESTMENT CHARGE ANNUAL REPORT. Proposed resolution approving the 2013 EPIC Program Annual Report.
Contact: Rachel Salazar. (5 minutes)

Commissioner Douglas moved and Commissioner Hochschild seconded approval of Item 7. The vote was unanimous. (4-0)

8. 2013 PUBLIC DOMAIN CALIFORNIA BUILDING ENERGY CODE COMPLIANCE SOFTWARE-RESIDENTIAL, CBECC-RES, VERSION 1F. Proposed resolution approving the 2013 Public Domain California Building Energy Code Compliance Residential software, CBECC-Res, version 1f, that may be used to demonstrate performance compliance with the residential provisions of the 2013 Building Energy Efficiency Standards (also known as the Energy Code). Among other improvements, Version 1f incorporates programming for additional envelope assemblies and HVAC systems. The resolution also decertifies CBECC-Res, version 1d, and delegates authority to the Executive Director to make future changes to the software as necessary to ensure it accurately estimates the energy use of residential buildings and demonstrates compliance with the 2013 Building Energy Efficiency Standards for buildings, including correcting functional and analytical errors. (Public Resources Code, section 25402.1(a).)

Contact: Martha Brook. (10 minutes)

Commissioner Douglas moved and Commissioner Scott seconded approval of Item 8. The vote was unanimous. (4-0)

9. 2013 PUBLIC DOMAIN CALIFORNIA BUILDING ENERGY CODE COMPLIANCE SOFTWARE FOR NONRESIDENTIAL, CBECC-COM, VERSION 2. Proposed resolution approving the 2013 Public Domain California Building Energy Code Compliance Nonresidential software, CBECC-Com, version 2 that may be used to demonstrate performance compliance with the nonresidential provisions of the 2013 Building Energy Efficiency Standards. Among other improvements, version 2 incorporates programming for all projects using a simplified geometric input method, and for additions and alterations to existing buildings (also known as Existing+Additions+Alterations projects - E+A+A). The resolution also decertifies CBECC-Com, version 1d, and delegates authority to the Executive Director to make future changes to the software as necessary to ensure it accurately estimates the energy use of nonresidential buildings and demonstrates compliance with the 2013 Building Energy Efficiency Standards, including correcting functional and analytical errors. (Public Resources Code, section 25402.1(a).) Contact: Martha Brook. (10 minutes)

Commissioner Hochschild moved and Commissioner Douglas seconded approval of Item 9. The vote was unanimous. (4-0)

10. 2013 AMENDMENTS OF RESIDENTIAL ALTERNATIVE CALCULATION METHOD (ACM) REFERENCE MANUAL. Proposed Resolution approving minor and technical revisions to the 2013 Residential ACM Reference Manual previously approved in September 2013. Contact: Martha Brook. (10 minutes)

Commissioner Douglas moved and Commissioner Scott seconded approval of Item 10. The vote was unanimous. (4-0)

11. RENEWABLES PORTFOLIO STANDARD PROGRAM – TIME EXTENSION PROCESS FOR CERTIFICATION. Possible approval of a resolution approving a time extension process that would allow the Executive Director to extend and waive application deadlines for Renewables Portfolio Standard certification under specified criteria. Contact: Gabe Herrera. (10 minutes)

Commissioner Hochschild moved and Commissioner Douglas seconded approval of Item 11. The vote was unanimous. (4-0)

12. 2014-2015 INVESTMENT PLAN UPDATE FOR THE ALTERNATIVE AND RENEWABLE FUEL AND VEHICLE TECHNOLOGY PROGRAM. Possible adoption of the 2014-2015 Investment Plan Update for the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). 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: Randy Roesser. (30 minutes)

Commissioner Scott moved and Commissioner Hochschild seconded approval of Item 12. The vote was unanimous. (4-0)

13. DRIVE WEBSITE. (Information Item). Demonstration of a new section and an updated map with added functionality for the Energy Commission's DRIVE (Alternative and Renewable Fuel and Vehicle Technology Program) website. Contact: Lauren Greenwood. (5 minutes)

(Item 13 was for information only. No action was taken or required.)

14. ALTERNATIVE FUEL READINESS PLANNING GRANTS, PON-13-603. This grant solicitation sought proposals to conduct regional readiness planning at the local level for a variety of alternative fuels including electric, hydrogen, biofuels, propane, and natural gas. (ARFVTP funding) Contact: Juan Garcia (10 minutes)
 - a. SAN DIEGO ASSOCIATION OF GOVERNMENTS. Proposed resolution approving Agreement ARV-13-013 with San Diego Association of Governments for a \$300,000 grant to develop a San Diego Alternative Fuel Readiness Plan to establish the existing conditions and identify the key needs in the San Diego region to prepare for the deployment of alternative fuels. Toolkits with alternative fuel readiness resources will be provided to key sectors such as fleet owners/operators, local government staff, fuel provider/retailers, and vehicle dealers.
 - b. CITY OF DAVIS. Proposed resolution approving Agreement ARV-13-015 with the City of Davis for a \$200,000 grant to develop a comprehensive plan to determine the most effective way to increase the charging infrastructure in the Davis area that would allow the Davis area to be well prepared for an increase in the usage of plug-in electric vehicles.
 - c. MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DISTRICT. Proposed resolution approving Agreement ARV-13-016 with Monterey Bay Unified Air Pollution Control District for a \$300,000 grant to develop a Monterey Bay Alternative Fuel Readiness Plan to establish the existing conditions and identify the key needs in the Monterey Bay region to prepare for the deployment of alternative fuels. Toolkits with alternative fuel readiness resources will be provided to key sectors such as fleet owners/operators, local government staff, fuel provider/retailers, and vehicle dealers.
 - d. COUNTY OF SANTA BARBARA. Proposed resolution approving Agreement ARV-13-017 with the County of Santa Barbara for a \$299,910 grant to develop an Alternative Fuels Readiness Plan to establish the existing conditions and identify the key needs in the three Air Pollution Control Districts of Santa Barbara, Ventura and San Luis Obispo Counties to prepare for the deployment of alternative fuels. Toolkits with alternative fuel readiness resources will be provided to key sectors such as fleet owners/operators, local government staff, fuel provider/retailers, and vehicle dealers.
 - e. CITY/COUNTY ASSOCIATION OF GOVERNMENT OF SAN MATEO COUNTY. Proposed resolution approving Agreement ARV-13-018 with the City/County Association of Governments of San Mateo County for a \$275,810 grant to develop an Alternative Fuel Readiness Plan for San Mateo County and 20 cities therein for the commercialization of alternative transportation fuels in the marketplace.

With respect to Item 14b, and Item 17, Commissioner Douglas disclosed for the record that she is an Adjunct Professor at UC Davis King Hall, which is not involved in either of these agreements. Commissioner Scott moved and Commissioner Hochschild seconded approval of Item 14. The vote was unanimous. (4-0)

15. LOS ANGELES DEPARTMENT OF WATER AND POWER. Proposed resolution approving Agreement ARV-13-014 with Los Angeles Department of Water and Power (LADWP) for a \$300,000 grant to install a compressed natural gas (CNG) fueling station at its Western District Yard. The station is located centrally in the downtown Los Angeles area and will be available to provide fueling for LADWP's approximately 430

light-duty, medium-duty, and heavy-duty CNG fueled vehicles, including approximately 100 vehicles dedicated to this site. In addition, the fueling station will be available to other City of Los Angeles departments such as General Services. (ARFVTP funding)
Contact: Miki Crowell. (5 minutes)

Commissioner Hochschild moved and Commissioner Scott seconded approval of Item 15. The vote was unanimous. (4-0)

16. CENTER FOR TRANSPORTATION AND THE ENVIRONMENT. Proposed resolution approving Agreement ARV-13-019 with the Center for Transportation and the Environment for a \$1,100,000 grant to develop, validate, and deploy fuel cell hybrid electric walk-in delivery vans. The fuel cell hybrid delivery vehicle design will be able to achieve extended range through an optimum combination of fuel cell and battery power along with hydrogen energy storage. (ARFVTP funding)
Contact: Darren Nguyen. (5 minutes)

Commissioner Hochschild moved and Commissioner Scott seconded approval of Item 16. The vote was unanimous. (4-0)

17. THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, DAVIS. Proposed resolution approving agreement ARV-13-020 with the Regents of the University of California on behalf of the Davis Campus for a \$1,100,000 grant to establish a National Center for Sustainable Transportation. Of the \$1,100,000 approved under this award, only \$605,000 is currently available. The remaining \$495,000 will be added to this agreement if and when additional funds become available for the purposes of this award. The center will conduct innovative research on strategies that will promote California's transition to zero-emission vehicle and fuel technologies. The major areas of focus will be passenger transportation and goods movement. (ARVFTP funding) Contact: Andre Freeman. (5 minutes)

Commissioner Hochschild moved and Commissioner Douglas seconded approval of Item 17. The vote was unanimous. (4-0)

18. NATURAL GAS VEHICLE INCENTIVES. Proposed resolution approving a total of \$16,632,000 in natural gas vehicle incentive reservations (ARFVTP funding).
Contact: Andre Freeman. (5 minutes)
- a. SOUTH BAY FORD, INC. (OEM - Ford Motor Company) (BDIR-13-02), in the amount of \$36,000 for six natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight and \$264,000 for 24 natural gas vehicles of 16,001 to 26,000 pounds gross vehicle weight, for a total reservation amount of \$300,000.
 - b. DAIMLER TRUCKS NORTH AMERICA LLC (OEM – Daimler) (BDIR-13-03), in the amount of \$1,600,000 for 64 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
 - c. CAPACITY TRUCKS (OEM – Capacity Trucks) (BDIR-13-04), in the amount of \$1,600,000 for 64 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
 - d. TEC OF CALIFORNIA, INC. (OEM – Volvo Trucks of North America) (BDIR-13-05), in the amount of \$300,000 for 12 natural gas vehicles of 33,001 pounds gross vehicles weight and greater.
 - e. ISUZU COMMERCIAL TRUCK OF AMERICA, INC. (OEM – Isuzu) (BDIR-13-06), in the amount of \$1,596,000 for 266 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.

- f. TEC OF CALIFORNIA, INC. – La Mirada (OEM – Mack Trucks, Inc.) (BDIR-13-07), in the amount of \$300,000 for 12 natural gas vehicles of 33,001 pounds gross vehicles weight and greater.
- g. TOM’S TRUCK CENTER NORTH COUNTY, LLC dba CARMENITA TRUCK CENTER (OEM – Ford Motor Company) (BDIR-13-08), in the amount of \$110,000 for 10 natural gas vehicles of 16,001 to 26,000 pounds gross vehicle weight.
- h. CREATIVE BUS SALES, INC. (OEM – El Dorado National – California, Inc.) (BDIR-13-09), in the amount of \$300,000 for 12 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
- i. CREATIVE BUS SALES, INC. (OEM – Mobility Ventures LLC) (BDIR-13-12), in the amount of \$15,000 for 15 natural gas vehicles of up to 8,500 pounds gross vehicle weight.
- j. PETERBILT MOTORS COMPANY (OEM – Peterbilt Motors Company) (BDIR-13-14), in the amount of \$1,600,000 for 64 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
- k. AUTOCAR, LLC (OEM – Autocar, LLC) (BDIR-13-15), in the amount of \$1,600,000 for 64 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
- l. HANSEL FORD INC. (OEM – Ford Motor Company) (BDIR-13-18), in the amount of \$54,000 for 9 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
- m. KENWORTH TRUCK COMPANY (OEM – Kenworth Truck Company) (BDIR-13-19), in the amount of \$1,600,000 for 64 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
- n. TED JONES FORD INC dba KEN GRODY FORD (OEM – Ford Motor Company) (BDIR-13-20), in the amount of \$60,000 for 10 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
- o. BOB WONDRIES MOTORS dba WONDRIES FLEET GROUP (OEM – Ford Motor Company) (BDIR-13-21), in the amount of \$276,000 for 46 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight and \$22,000 for two natural gas vehicles of 16,001 to 26,000 pounds gross vehicle weight, for a total reservation of \$298,000.
- p. GALPIN MOTORS INC dba GALPIN FORD (OEM – Ford Motor Company) (BDIR-13-22), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight and \$110,000 for 10 natural gas vehicles of 16,001 to 26,000 pounds gross vehicle weight, for a total reservation of \$230,000.
- q. MIRAMAR FORD TRUCK SALES, INC (OEM – Ford Motor Company) (BDIR-13-23), in the amount of \$55,000 for five natural gas vehicles of 16,001 to 26,000 pounds gross vehicle weight.
- r. KEARNY PEARSON FORD (OEM – Ford Motor Company) (BDIR-13-25), in the amount of \$84,000 for 14 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
- s. VOLVO GROUP, NORTH AMERICA LLC (Volvo Trucks of North America) (BDIR-13-26), in the amount of \$400,000 for 16 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.

- t. CENTRAL VALLEY GMC (OEM – Volvo Trucks North America) (BDIR-13-27), in the amount of \$300,000 for 12 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
- u. TOWNE MOTOR COMPANY (OEM – Ford Motor Company) (BDIR-13-28), in the amount of \$1,000 for one natural gas vehicle of up to 8,500 pounds gross vehicle weight and \$36,000 for six natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight, for a total reservation of \$37,000.
- v. AMERICAN HONDA MOTOR COMPANY, INC. (OEM – American Honda) (BDIR-13-29,) in the amount of \$1,600,000 for 1,600 natural gas vehicles of up to 8,500 pounds gross vehicle weight.
- w. ROTOLO CHEVROLET INC, (OEM – General Motors) (BDIR-13-30), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
- x. GILLIG, LLC (OEM – Gillig, LLC) (BDIR-13-31), in the amount of \$375,000 for 15 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
- y. SERRAMONTE FORD (OEM – Ford Motor Company) (BDIR-13-32), in the amount of \$66,000 for 11 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
- z. E-W TRUCK & EQUIPMENT CO., INC. (OEM – Volvo Trucks North America) (BDIR-13-33), in the amount of \$300,000 for 12 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
- aa. TEC OF OAKLAND (OEM – Volvo Trucks North America) (BDIR-13-34), in the amount of \$300,000 for 12 natural gas vehicles of 33,001 pounds gross vehicles weight and greater.
- bb. LAKE CHEVROLET (OEM – General Motors) (BDIR-13-35), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
- cc. MACK TRUCKS, INC (OEM – Mack Trucks, Inc.) (BDIR-13-36), in the amount of \$1,300,000 for 52 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
- dd. VILLA FORD (OEM – Ford Motor Company) (BDIR-13-37), in the amount of \$12,000 for two natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.

Commissioner Scott moved and Commissioner Hochschild seconded approval of Item 18. The vote was unanimous. (4-0)

- 19. NORTH COUNTY FIRE PROTECTION DISTRICT. Proposed resolution approving Agreement 002-13-ECA with North County Fire Protection District for a \$475,241 loan at one percent interest to install solar photovoltaic panels for a total of 135.71 kilowatts at four District facilities. Based on the loan amount, the simple payback is 13.0 years. The project will save approximately \$36,557 in utility costs and reduce seven tons of carbon dioxide equivalents of greenhouse gas emissions annually. (ECAA Program funding) Contact: Shahid Chaudhry. (5 minutes)

Commissioner Hochschild moved and Commissioner Scott seconded approval of Item 19. The vote was unanimous. (4-0)

- 20. CITY OF GILROY. Proposed resolution approving Agreement 010-13-ECD with the City of Gilroy for a \$1,812,722 loan at one percent interest to upgrade the city's street

lighting with LEDs. Based on the loan amount, the simple payback is approximately 12.6 years. The project will save approximately \$143,622 annually. (ECAA Program funding)
Contact: Christopher Olvera. (5 minutes)

Commissioner Hochschild moved and Commissioner Douglas seconded approval of Item 20. The vote was unanimous. (4-0)

21. PROJECT MANAGEMENT INSTITUTE AWARD (Information Item). Present the Project Management Institute Award to the Commission for the E-Filing/E-Commenting Project. Contact: Dr. James W. Reede, Jr. (2 minutes)

(Item 19 was for information only. No action was taken or required.)

22. **Minutes:** Possible approval of the March 12, 2014, Business Meeting Minutes.

Commissioner Scott moved and Commissioner Hochschild seconded approval of the Minutes. The vote was unanimous. (4-0)

23. **Lead Commissioner or Presiding Member Reports.**

The Commissioners gave updates on their recent activities and site visits.

24. **Chief Counsel's Report:** Chief Counsel Michael Levy gave the report.
25. **Executive Director's Report.** Executive Director Rob Oglesby gave the report.
26. **Public Adviser's Report.** None.
27. **Public Comment:** None.

Appearances:

Mr. Manuel Alvarez, Southern California Edison
Mr. Trey Bassett, Mojave Solar Project
Mr. Ed Crawford, Isuzu
Ms. Susie Berlin, Northern California Power Association
Mr. Tim Carmichael, California Natural Gas Vehicle Coalition
Ms. Hellan Roth Dowden, Nexus e-water
Ms. Diane Fellman, NRG Solar
Mr. Peter Gibson, LA Chem
Mr. Jim Hawley, Bedgely
Ms. Bonnie Holmes-Gen, American Lung Association in California
Mr. Nick Jimenez, Natural Resources Defense Council
Ms. Anna Lowe, San Diego Association of Governments
Mr. Daniel Malarkey, 1 Energy Systems
Mr. James Michon, Ford Motor Co.
Mr. David Rocha, West Coast Bus Sales
Mr. Keane Sommers, Nevada Irrigation District
Mr. Tim Tutt, SMUD
Ms. Valerie Winn, Pacific Gas & Electric
Mr. Robert Wichert, Professional Engineering, Inc.

There being no further business, the meeting was adjourned.

Respectfully submitted,

HARRIET KALLEMEYN
Secretary to the Commission