

**State of California**  
California Energy Commission  
Minutes of the July 22, 2014, Energy Commission Business Meeting

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

Present:

Robert B. Weisenmiller, Chair  
Karen Douglas, Commissioner

J. Andrew McAllister, 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. 2014 AMENDMENTS OF NONRESIDENTIAL ALTERNATIVE CALCULATION METHOD (ACM) REFERENCE MANUAL. Proposed resolution approving minor and technical revisions to the 2013 Nonresidential ACM Reference Manual previously approved in September 2013. Contact: Martha Brook.

*Item 1a was removed from the agenda.*

- b. ENERGY PRO V6.2 BY ENERGY SOFT AS 2013 NONRESIDENTIAL COMPLIANCE SOFTWARE (ENERGYPRO V6.2 for Nonresidential). Possible conditional approval of EnergyPro V6.2 as an alternative calculation method for demonstrating performance compliance with the nonresidential provisions of the 2013 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Part 6, and associated administrative regulations in Part 1, Chapter 10 (Standards). This request is for a Conditional Approval through December 31, 2014 for EnergyPro V6.2 by Energy Soft for demonstrating compliance with the 2013 Standards (Public Resources Code Section 25402.1(a)). Contact: Martha Brook.

*Item 1b was moved to discussion. Commissioner McAllister moved and Commissioner Douglas seconded approval of Item 1b. The vote was unanimous. (4-0)*

- c. CITY OF GLENDALE. Proposed resolution approving the City of Glendale's locally adopted building energy standards to require greater energy efficiency than the 2013 Building Energy Efficiency Standards. Contact: Joe Loyer.
- d. PITTSBURG UNIFIED SCHOOL DISTRICT. Proposed adjustment to the interest rate from one percent to zero percent of a previously approved ECAA loan for \$1,766,665 to Pittsburg Unified School District (District). This aligns the District's loan with the ECAA-Ed loan program. The Commission approved the original loan at the July 10, 2013 Business Meeting. The zero percent interest rate loan Agreement 001-14-ECG shall replace the one percent interest rate loan Agreement 001-13-ECD. There is no change to the loan amount, project scope and energy savings. (ECAA-Ed Program Funding) Contact: Joseph Wang.

*Commissioner McAllister moved and Commissioner Douglas seconded approval of the remaining Consent Calendar items. 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. (Staff presentation: 5 minutes)

*No action was taken on Item 2.*

3. U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) PROPOSED RULE 111(d) ON CARBON POLLUTION RULE FOR EXISTING POWER PLANTS. (Information Item) Presentation on the proposed rule for existing power plants issued by EPA on June 2, 2014 establishing greenhouse gas emission reduction targets and guidelines for developing state compliance plans. Contact: Melissa Jones. (Staff presentation: 15 minutes)

*Information only. No action required.*

4. HYDROGEN REFUELING INFRASTRUCTURE GRANTS, PON-13-607. This grant solicitation sought proposals for the installation of publicly-accessible hydrogen refueling stations throughout California to ensure hydrogen refueling stations are operational for the planned commercial launch of fuel cell vehicles in California beginning in 2015. (ARFVTP funding) Contact: Phil Cazel. (Staff presentation: 10 minutes)
  - a. GAS TECHNOLOGY INSTITUTE. Proposed resolution approving Agreement ARV-14-003 with Institute of Gas Technology dba Gas Technology Institute (GTI) for a \$999,677 grant to design, fabricate, test, and deploy a fully operational, commercial mobile hydrogen refueler configured on a medium-duty Ford F550 platform with hydrogen storage, compression, and dispensing capabilities. The hydrogen refueling equipment will be self powered by a zero emission on-board hydrogen fuel cell and have the capability to fill either 350 bar or 700 bar vehicle tanks through onboard metered dispensing hoses.
  - b. AIR LIQUIDE INDUSTRIAL US LP. Proposed resolution approving Agreement ARV-14-007 with Air Liquide Industrial US LP for a \$2,125,000 grant to install a hydrogen refueling station in Palo Alto, CA.
  - c. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-14-008 with FirstElement Fuel, Inc. for a \$15,961,000 grant to install 11 hydrogen refueling stations with 10 in Southern California and a connector station in Coalinga, CA. Two of the stations will provide 100 percent renewable hydrogen.
  - d. FIRSTELEMENT FUEL, INC. Proposed resolution approving Agreement ARV-14-013 with FirstElement Fuel, Inc. for an \$11,608,000 grant to install eight hydrogen refueling stations in Northern California.
  - e. ONTARIO CNG STATION, INC. Proposed resolution approving Agreement ARV-14-009 with Ontario CNG Station, Inc. for a \$2,125,000 grant to install a 100 percent renewable hydrogen refueling station in Ontario, CA.
  - f. HTEC HYDROGEN TECHNOLOGY & ENERGY CORPORATION. Proposed resolution approving Agreement ARV-14-010 with HTEC Hydrogen Technology & Energy Corporation for a \$2,125,000 grant to install a hydrogen refueling station in Woodside, CA.
  - g. HYGEN INDUSTRIES, LLC. Proposed resolution approving Agreement ARV-14-011 with HyGen Industries, LLC for a \$5,306,814 grant to install three hydrogen refueling stations: one each in the cities of Rohnert Park, Orange, and Pacific Palisades, CA. The stations will provide 100 percent renewable hydrogen from on-site electrolyzers.
  - h. ITM POWER, INC. Proposed resolution approving Agreement ARV-14-012 with ITM Power, Inc. for a \$2,125,000 grant to install a hydrogen refueling station in Riverside, CA.

- i. LINDE LLC. Proposed resolution approving Agreement ARV-14-018 with Linde LLC for a \$4,250,000 grant to install two hydrogen refueling stations: one each in San Ramon and Oakland, CA.

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

5. CALIFORNIA AIR RESOURCES BOARD. Proposed resolution approving Agreement 600-14-001 with the California Air Resources Board for a \$5,000,000 contract to provide funding for the Clean Vehicle Rebate Project for qualified electric drive vehicles. (ARFVTP funding) Contact: Jennifer Masterson. (Staff presentation: 5 minutes)

*Commissioner McAllister recused himself and was absent during the discussion of Item 5. Commissioner Scott moved and Commissioner Douglas seconded approval of the item. The vote was unanimous. (3-0)*

6. CARBONBLU, LLC. Proposed resolution approving Agreement ARV-14-005 with Carbonblu, LLC for a \$372,400 grant to develop and operate the Northern California Alternative Fuels and Advanced Vehicle Technology Center, which will serve as a major hub of innovation, education, and adoption of alternative fuels and advanced vehicle technologies throughout Northern California. (ARFVTP funding) Contact: Andre Freeman. (Staff presentation: 5 minutes)

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

7. ELECTRIC VEHICLE CHARGING INFRASTRUCTURE GRANTS, PON-13-606. This grant solicitation sought proposals to install electric vehicle charging infrastructure along California highway corridors, at destination locations, at workplaces, and at multi-family unit dwellings. (ARFVTP funding) Contact: Lindsee Tanimoto. (Staff presentation: 5 minutes)
  - a. CITY OF CORONA. Proposed resolution approving Agreement ARV-14-001 with the City of Corona for a \$325,632 grant to install six Level 2 and three fast electric vehicle chargers throughout the City for plug in electric vehicle (PEV) destination and public access workplace charging.
  - b. INTERNATIONAL ASSOCIATION OF NANOTECHNOLOGY. Proposed resolution approving Agreement ARV-14-002 with the International Association of Nanotechnology (dba US Green Vehicle Council) for a \$500,000 grant to install 10 electric vehicle fast chargers along the I-5 and Highway 99 corridor at 10 locations in 10 cities throughout California.
  - c. ELECTRIC POWER RESEARCH INSTITUTE. Proposed resolution approving Agreement ARV-14-004 with Electric Power Research Institute for a \$469,012 grant to install 24 plug-in electric vehicle (PEV) chargers at a multilevel parking garage located in the City of Santa Clara that will provide easy access to PEV charging.
  - d. ADOPT A CHARGER. Proposed resolution approving Agreement ARV-14-014 with Adopt A Charger for a \$491,342 grant to install up to 61 electric vehicle chargers at up to 12 California State Parks.
  - e. THE FREMONT CHAMBER OF COMMERCE. Proposed resolution approving Agreement ARV-14-015 with the Fremont Chamber of Commerce for a \$305,352 grant to install 10 Level 2 and two electric vehicle fast chargers at the Bayside Business Park in Fremont, CA.

- f. US HYBRID CORPORATION. Proposed resolution approving Agreement ARV-14-016 with US Hybrid Corporation for a \$200,000 grant to install one electric vehicle fast charger and two Level 2 chargers that incorporate an energy management system, battery storage, renewable electricity production, and vehicle-to-grid capabilities at US Hybrid Corporation facility.
- g. COUNTY OF SAN DIEGO. Proposed resolution approving Agreement ARV-14-017 with the County of San Diego for a \$500,000 grant to install infrastructure for 35 publicly accessible chargers at 10 County facilities.

*Commissioner Scott moved and Commissioner McAllister seconded approval of Item 7. The vote was unanimous. (4-0)*

- 8. NATURAL GAS VEHICLE INCENTIVE RESERVATIONS. Proposed resolution approving natural gas vehicle incentive reservations (ARFVTP funding).  
Contact: Andre Freeman (Staff presentation: 5 minutes)
  - a. THOMAS BUILT BUSES (OEM – Thomas Built Buses) (BDIR-14-01), in the amount of \$1,600,000 for 64 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.
  - b. CITY CHEVROLET INC (OEM – General Motors Company) (BDIR-14-03), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
  - c. FREIGHTLINER CUSTOM CHASSIS CORPORATION (OEM – Freightliner Custom Chassis Corporation) (BDIR-14-04), in the amount of \$1,298,000 for 118 natural gas vehicles of 16,001 to 26,000 pounds gross vehicle weight.
  - d. PARADISE CHEVROLET CADILLAC (OEM – General Motors Company) (BDIR-14-05), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
  - e. GEORGE CHEVROLET (OEM – General Motors) (BDIR-14-06), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
  - f. REYNOLDS BUICK INC. (OEM – General Motors Company) (BDIR-14-07), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
  - g. HANLEES CHEVROLET (OEM – General Motors Company) (BDIR-14-08), in the amount of \$60,000 for 10 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
  - h. CHEVROLET OF WATSONVILLE (OEM – General Motors Company) (BDIR-14-09), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
  - i. BOB STALL CHEVROLET (OEM – General Motors Company) (BDIR-14-10), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
  - j. MARK CHRISTOPHER AUTO CENTER (OEM – General Motors Company) (BDIR-14-11), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
  - k. SIMPSON CHEVROLET OF GARDEN GROVE (OEM – General Motors Company) (BDIR-14-12), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.

- l. PENSKE CHEVROLET OF CERRITOS (OEM – General Motors Company) (BDIR-14-13), in the amount of \$120,000 for 20 natural gas vehicles of 8,501 to 16,000 pounds gross vehicle weight.
- m. A-Z BUS SALES, INC. (OEM – Blue Bird Corporation) (BDIR-14-14), in the amount of \$300,000 for 12 natural gas vehicles of 33,001 pounds gross vehicle weight and greater.

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

9. USED MEDIUM-DUTY ELECTRIC VEHICLE REPOWER DEMONSTRATION GRANTS, PON-13-602. This grant solicitation sought proposals for demonstration projects that convert used medium-duty gasoline and diesel vehicles to all-electric drive. Medium-duty vehicles have a Gross Vehicle Weight Rating (GVWR) of 10,001 pounds to 26,000 pounds. (ARFVTP funding)  
Contact: Larry Rillera (Staff presentation: 5 minutes)
  - a. NATIONAL STRATEGIES, LLC. Proposed resolution approving Agreement ARV-13-011 with National Strategies, LLC for a \$1,473,488 grant to conduct a medium-duty electric school bus repower demonstration project.
  - b. ELECTRIC VEHICLES INTERNATIONAL. Proposed resolution approving Agreement ARV-14-006 with Electric Vehicles International for a \$1,653,000 grant to repower United Parcel Service pre-2007 medium-duty delivery vehicles to all-electric powertrains and demonstrate their performance in on-road demonstrations for 24 months.

*Commissioner Scott moved and Commissioner McAllister seconded approval of Item 9. The vote was unanimous. (4-0)*

10. NONRESIDENTIAL BUILDING ENERGY USE DISCLOSURE PROGRAM (AB 1103). Possible approval of a resolution adopting Emergency Regulations to amend the compliance schedule for buildings between 5,000 and 10,000 square feet, in regards to the Nonresidential Building Energy Use Disclosure Program (AB 1103) in Title 20, section 1682(c) of the California Code of Regulations, and Finding of Emergency pursuant to Government Code section 11346.1.  
Contact: Daniel Johnson. (Staff presentation: 5 minutes)
11. APPROVAL OF NATIONAL LIGHTING CONTRACTORS ASSOCIATION OF AMERICA TO BECOME AN ACCEPTANCE TEST TECHNICIAN CERTIFICATION PROVIDER. Possible approval of the National Lighting Contractors Association of America (NLCAA) as a Lighting Acceptance Test Technician Certification Provider (ATTCP). This will allow NLCAA to train and certify field technicians and employers on the Building Energy Efficiency Standards lighting control acceptance tests. Contact: Tav Commins. (Staff presentation: 10 minutes)

*Item 11 was removed from the agenda.*

12. U.S. ENERGY RATERS ASSOCIATION (USERA). Possible approval of U.S. Energy Raters Association (USERA) as a Home Energy Rating System (HERS) Provider for HERS raters performing field verification and diagnostic testing on alterations to existing residential buildings for the 2013 Building Energy Efficiency Standards and the USERA's Data Registry as a residential data collection registry, including approval of ENALASYS as a Third Party Quality Control program for data collection verification. Contact: Nelson Peña. (Staff presentation: 5 minutes)

*Commissioner McAllister moved and Commissioner Douglas seconded approval of Item 12. The vote was unanimous. (4-0)*

13. GAS TECHNOLOGY INSTITUTE. Proposed resolution approving Agreement PIR-14-001 with the Gas Technology Institute for a \$2,600,000 grant to demonstrate a high-efficiency rotary dryer, integrated with heat pump technology to reduce energy consumption for drying bulk foods or other materials. (PIER natural gas funding)  
Contact: Michael Lozano. (Staff presentation: 5 minutes)

*Commissioner Douglas moved and Commissioner McAllister seconded approval of Item 13. The vote was unanimous. (4-0)*

14. NEW SOLAR HOMES PARTNERSHIP ADMINISTRATION CONTRACTS. Possible termination without cause of contracts for the daily application processing and call center activities of the New Solar Homes Partnership (NSHP) in Investor Owned Utility (IOU) service territories, in order for the Energy Commission to have Energy Commission staff perform the work. If approved, the transfer of activities from the IOUs to the Energy Commission will occur approximately 30 days after approval.  
Contact: Le-Quyen Nguyen. (Staff presentation: 5 minutes)
  - a. PACIFIC GAS AND ELECTRIC COMPANY. Contract 400-07-005
  - b. SAN DIEGO GAS AND ELECTRIC COMPANY. Contract 400-07-006
  - c. SOUTHERN CALIFORNIA EDISON COMPANY. Contract 400-07-007

*Commissioner McAllister moved and Commissioner Scott seconded approval of Item 14. The vote was unanimous. (4-0)*

15. CALIFORNIA ADAPTATION FORUM. Possible approval of the use of the Energy Commission's name and logo, and listing as a sponsor (no cost) and promotional partner for the California Adaptation Forum on August 19-20, 2014, hosted by the Local Government Commission in partnership with the State of California. The purpose of this event is to bring together policymakers, practitioners, and leaders to exchange ideas and research results on topics related to climate change adaptation in California. Contact: Guido Franco. (Staff presentation: 5 minutes)

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

16. **Minutes:** Possible approval of the June 18, 2014, Business Meeting Minutes.

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

17. **Lead Commissioner or Presiding Member Reports.** The commissioners held a general discussion and reported on their recent activities and site visits.

18. **Chief Counsel's Report:** Chief Counsel Michael Levy gave the report.

19. **Executive Director's Report.** Executive Director Rob Oglesby gave the report.

20. **Public Adviser's Report.** None.

21. **Public Comment:**

Mr. Patrick Splitt, AppTech, Inc.

Appearances:

Kitty Adams, Adopt-a-Charger

Will Barrett, American Lung Association

Mark Berman, Davis Energy Group

Analisa Bevan, California Air Resources Board  
Robert Bienenfeld, American Honda Motor Co.  
Cindy Bonior, Fremont Chamber of Commerce  
Bob Boyd, Boyd Hydrogen  
Gilbert Castillo, Hyundai Motors America  
Don Charles, USERA  
Matthew Christie, California Association of Building Energy Consultants.  
Dmitri Contoyannis, NORES  
Marika Erdely, Green Econome  
Bill Elrick, California Fuel Cell Partnership  
Joel Ewanick, Firstelement Fuel, Inc.  
Matt Forrest, Mercedes Benz Research and Development, North America  
Chip Fox, San Diego Gas and Electric Company  
Michael Gabel, Gabel Associates  
Monique Gordon, City of Riverside  
Steven Jones, ITM Power  
Taylor Jones, Governor's Office of Business and Economic Development  
Alex Keros, General Motors  
Kevin Matthews, National Strategies LLC  
Matt McClory, Toyota North America  
George Nesbitt, HERS Rater  
Bob Osterreich, Air Liquide Industrial US, LP  
Jonathan Palacios-Avila, Stratus Fuels  
Andrew Panson, Air Resources Board  
Joshua Pietak, CarbonBlu  
Jim Pollard, Energy Consultant  
Bob Raymer, California Building Industry Association  
Patrick Splitt, AppTech, Inc.  
Paul Staples, Hygen Industries  
Blair Swezey, SEiA/SunPower  
Eric Taylor, Enalasy Corp.  
Claire Van Zviden, Electric Vehicles International  
Randy Walsh, San Diego Energy Desk  
Craig Wheatley, IES  
Valerie Winn, Pacific Gas and Electric Co.

There being no further business, the meeting was adjourned.

Respectfully submitted,

HARRIET KALLEMEYN  
Secretary to the Commission