

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

NOTICE OF WORKSHOP

TO

INTERESTED PERSONS

DOCKET NO. 120000-OT

UNDOCKETED FILINGS FOR 2012.
RE: ELECTRIC VEHICLE CHARGING STATIONS

ISSUED: August 20, 2012

NOTICE OF STAFF WORKSHOP

NOTICE is hereby given that staff of the Florida Public Service Commission will conduct a workshop on the above-referenced docket at the following time and place:

Thursday, September 6, 2012, 9:30 a.m.
Betty Easley Conference Center, Room 148
4075 Esplanade Way
Tallahassee, FL 32399-0862.

PURPOSE AND PROCEDURE

The purpose of this workshop is to assist the Commission in fulfilling the requirements of Section 366.94(4), Florida Statutes (2012), which directs the Commission to conduct a study of the potential effects of public charging stations and privately owned electric vehicle charging on both energy consumption and the impact on the electric grid in the state and to investigate the feasibility of using off-grid solar photovoltaic power as a source of electricity for the electric vehicle charging stations. The results of this study will be submitted to the President of the Senate, the Speaker of the House of Representatives, and the Executive Office of the Governor.

If you wish to comment but cannot attend the workshop, please file your comments with the Office of Commission Clerk, Gerald L. Gunter Building, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, on or before September 6, 2012, specifically referencing the title of the workshop

DOCUMENT NUMBER-DATE

05715 AUG 20 02

FPSC-COMMISSION CLERK

A copy of the agenda for this workshop may be obtained by writing to the Office of Commission Clerk, at the address previously noted.

In accordance with the Americans with Disabilities Act, persons needing a special accommodation to participate at this proceeding should contact the Office of Commission Clerk no later than five days prior to the conference at 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, via 1-800-955-8770 (Voice) or 1-800-955-8771 (TDD), Florida Relay Service.

One or more of the Commissioners of the Florida Public Service Commission may attend and participate in the workshop.

JURISDICTION

Jurisdiction is vested in this Commission pursuant to Section 366.94(4), Florida Statutes. The workshop will be governed by the provisions of that Chapter and Chapters, 25-22 and 28-102, Florida Administrative Code.

EMERGENCY CANCELLATION OF WORKSHOP

If a named storm or other disaster requires cancellation of the workshop, Commission staff will attempt to give timely direct notice to the parties. Notice of cancellation of the hearing will also be provided on the Commission's website (<http://www.psc.state.fl.us/>) under the Hot Topics link found on the home page. Cancellation can also be confirmed by calling the Office of the General Counsel at 850-413-6199.

VISUAL AIDS

Workshop participants who plan to use visual aids during the course of their presentation, such as PowerPoint, must provide an electronic copy and 21 hard copies of the presentation, at least seven days prior to the workshop, to Ben Crawford who may be contacted at (850) 413-6598 or bcrawfor@psc.state.fl.us.

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By DIRECTION of the Florida Public Service Commission this 20th day of August,
2012.



ANN COLE
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399
(850) 413-6770
www.floridapsc.com

Copies furnished: A copy of this document is provided to the parties of record at the time of issuance and, if applicable, interested persons.

CWM

Agenda

Florida Public Service Commission Staff Workshop on Electric Vehicle Charging Stations September 6, 2012

The purpose of this workshop is to gather information on electric vehicle charging stations. Section 366.94, Florida Statutes, requires the Commission to conduct a study of the potential effects of public charging stations and privately owned electric vehicle charging on both energy consumption and the impact on the electric grid in Florida. The Commission is also required to investigate the feasibility of using off-grid solar photovoltaic power as a source of electricity for the electric vehicle charging stations. The study is due to the President of the Senate, the Speaker of the House of Representatives, and the Executive Office of the Governor by December 31, 2012.

A. Opening Remarks by FPSC Staff – 9:30 am to 9:45 am Staff presentation – Ben Crawford

B. Presentations by Stakeholders – 9:45 am to 12:30 pm

Brian Hanrahan, Florida Power and Light
Christopher Gillman, Progress Energy Florida
Keith Gruetzmacher, Tampa Electric Company
Robert McGee, Gulf Power Company
Jennifer Szaro, Orlando Utilities Commission
Britta Gross, General Motors
Speaker from Nissan (tentative)
Ken Caird, GE Energy
Charlie Yankitis, SPX
Bob Reedy, Florida Solar Energy Center

Lunch Break – 12:30 pm to 1:30 pm

C. Open Discussion – 1:30 pm to 4:30 pm

Topics for Discussion:

1. Background Data for Electric Vehicles

- a. Types of electric vehicles in Florida
- b. Types of electric vehicle charging stations in Florida
- c. Numbers of electric vehicles and chargers in Florida
- d. Future deployment of electric vehicles and chargers in Florida

2. Effects on Energy Consumption

- a. Effect on demand from electric vehicle charging now and in the future
- b. Need for new generation due to electric vehicle deployment
- c. Effect on peak demand from electric vehicles
- d. Effect on rates from electric vehicle charging
- e. Effect of electric vehicles on vehicle fuel consumption

3. Impact on the Electric Grid

- a. Impact of private charging on the transmission and distribution network
- b. Impact on residential transformers from clustering of electric vehicles
- c. Impact of public charging stations, especially quick-charge stations, on the transmission and distribution network
- d. Impacts and differences from at-work charging
- e. Impact on costs or savings to consumers

4. Feasibility of Solar PV for off-grid charging

- a. Generation needed per station
- b. Potential for energy storage
- c. Relationship between solar production times and charging demand times
- d. Battery swaps as an option

D. Public Comment – 4:30 pm to 5:00 pm or following Open Discussion

E. Closing Remarks/Post-workshop Comments – 5:00 pm