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COMMISSION  
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August 5, 2010

Ms. Ann Cole, Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

Re: Docket 100160-EG  
PEF's Petition for Approval of Demand-side Management Plan  
Response to Staff's 5<sup>th</sup> Data Request (Nos. 1-3)

Dear Ms. Cole:

Enclosed for filing is the original and 5 copies of PEF's Response to Staff's 1<sup>st</sup> Data Request in the above-referenced docket.

Thank you for your assistance in this matter and please let me know if you have any questions.

Sincerely,

John T. Burnett

JTB/at

- COM \_\_\_\_\_
- APA \_\_\_\_\_
- ECR \_\_\_\_\_
- GCL
- KAD
- SSC \_\_\_\_\_
- ADM \_\_\_\_\_
- OPC \_\_\_\_\_
- CLK \_\_\_\_\_

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## PEF'S RESPONSE TO STAFF'S 5TH DATA REQUEST

1. Please refer to the Interruptible Service Program described on page 176-180 of PEF's Proposed 2010 DSM Program Plan. Please provide the number of customers participating in this program broken down by rate schedules (IS-1, IST-1, IS-2 and IST-2) for each year from 2004 through 2010.

### RESPONSE:

Please refer to exhibit 1\_a attached.

2. Please refer to PEF's Proposed 2010 DSM Program Plan, specifically the description of each program where incentive payments are mentioned (usually found under the Policy and Procedures heading). For many programs, no dollar value of the incentive is provided. Please provide the dollar amount/value of the incentive being offered to customers in each of the proposed DSM programs.

### RESPONSE:

The incentive amounts for each of the programs are contained in the RIM and Participant cost effectiveness tables found in the end of each applicable program plan submitted, beginning on page 37 of PEF's Petition for Approval of Proposed Demand-Side Management Plan Appendix A filed on March 30, 2010. Cost Effectiveness tables were not provided for the following programs, Technical Potential, Demand Side Renewable Portfolio, Technology Development, Home Energy Check, and Business Energy Check programs. The incentive values for the Technical Potential and the Demand Side Renewable portfolio programs have been provided in PEF's response to Staff's First Data Request, question three. PEF's Proposed Program Plan did not reflect any incentive costs (nor did it assume any claimed savings) for the Technology Development program. The purpose of the Technology Development program is to enable the investigation of technologies and pursue research, development and demonstration projects that may lead to new cost effective demand and energy efficiency programs. Incentives would be determined on a case-by-case basis as evaluation of future technologies and demonstration projects are conducted. PEF does not offer incentive payments on the Home Energy Check and Business Energy Check; therefore they are not applicable to this request.

3. Please refer to PEF's Proposed 2010 DSM Program Plan, pages 202-228, addressing the solar pilot programs. Please respond to the following:
  - a. Please identify the source for the Customer kWh Reduction data shown in the referenced five tables.

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- b. Please explain or describe whether the savings data presented in the five tables correspond with certification and testing data published by the Florida Solar Energy Center (FSEC).
- c. Please explain or describe what process PEF has used for determining energy and peak demand savings from the certification and testing data provided by organizations like FSEC.
- d. Please explain or describe whether there are any disparities between the data from the source(s) used and the data published by FSEC.
- e. If the response to 1d is yes, please explain or describe how those disparities are reconciled to assure valid data is used to calculate projected savings.

**RESPONSE**

- a. The kWh savings referenced in the five tables are based upon actual historical data collected from two PEF sources: (1) PEF end-use (water heater) metering data and (2) the PEF Econolockhatchee Substation (ECON) solar PV facility. The ECON solar PV facility, which was first installed in 1988 and later re-engineered in 2005, has a total generating capability of approximately 8.3 kW.
  - b. As described in the response to 3.a., the savings data for PEF's five solar pilots are based on actual historical data collected from PEF data sources. Customer specific demand and energy savings are not part of the certification and testing data published by FSEC.
  - c. The savings data for PEF's five solar pilots are based on actual historical data collected from PEF data sources (as described in the response to 3.a.), not FSEC or other organization's certification and testing data. PEF developed hourly demand and energy savings from this internal field research.
  - d. PEF has not identified comparable customer specific demand and energy savings from FSEC published data, therefore, PEF is not aware of any discrepancies.
  - e. N/A.
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Exhibit 1\_a to Staff's 5th Data Request

Progress Energy Florida

Number of Billed Accounts for the Interruptible Service Program

<u>Rate Schedule</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>June 2010</u>
IS-1	65	64	59	56	56	55	54
IST-1	64	65	66	68	67	67	64
IS-2	5	6	6	6	6	5	4
IST-2	10	11	15	14	14	15	17
Total IS	<u>144</u>	<u>146</u>	<u>146</u>	<u>144</u>	<u>143</u>	<u>142</u>	<u>139</u>

Source: C011A or C015A for each year's Surv Energy file work