



Standardized Permitting Committee

Date: Monday, April 23, 2012

10:00 a.m.

Location: Government Center West Hearing Room

One North University Drive

Plantation, FL 33324

Meeting Notes

- I. Introductions (see attendance on page 4)
- II. Solar Contractors Workshop Summary
See the workshop minutes from the Solar Contractors Workshop posted online at <http://www.broward.org/GoGreen/GoSOLAR/Pages/StakeholdersGroup.aspx>
- III. Mounting Design Plans Review
 - Broward sent out surveys to electric engineers and solar contractors in the region and statewide to obtain information on the most common installations, market needs, and perspective on pre-engineered permitting solution.
 - Based on the results of the survey-
 - The Electrical consensus was 24 volt modules were most common followed by 36 volt in residential which was consistent throughout the state.
 - In commercial the consensus was 200 to 250 watt output
 - The electrical service in the building 200 amp was the most common followed by 150 amps.
 - We could cover 80% of electrical service with 150 and 200 amps.
 - 80% of solar arrays fit the 4-6 kWh system.
 - We looked at the 65 inches by 39 inches. 5-30 panel solution. Looking at increments of five to come up with the dimensions.



- We will follow up with an advantage agreement to companies to provide designs for a mounting rail and mounting system.
- Roof less than 60 feet.
- Manufacturers can design for either or both Zone 1 and Zone 2 requirements.
- Will need to include parts list and signed and sealed designs. We will provide dimensions. 1 to 6 kWh system.
- We will be posting survey results online.

Feedback from the meeting participants

- Look at watts first. Size your circuits based on amps.
- 250 watts panels
- Need to look at the use of micro inverters.
- More than one roof section, cannot tie the south facing and west facing panels into the same inverter.
- Working more on the Individual optimized panel in Canada and U.S.
- Aiming at the 2000 watt level makes a lot of sense.
- Point made not to move out of the realm of the low income groups. Need to include some smaller system options.
- Battery based or non-battery based. Scope of the grant does not include option for battery backup. May include in phase 2 along with solar water heating.
- FSEC will allow for product approval to the systems that are included in grant. We will add more as they come in.
- Give a little more leeway instead of just in increments of five (electrical schematics).
- Need to focus on the point loads. Manufacturers can do easily from 1-14 panels because it is automated system.
- How many pounds of upward pull will we allow into the screws and trusses? Should not go over 500 lbs.



- Look at the rail manufacturers tell us what they have. We can then choose which ones we can use here under these conditions.

IV. Latest on Electrical Schematics

Send additional comments via email to Lenny Vialpando at LVIALPANDO@broward.org

V. Net Metering Overview

See power-point presentation posted online <http://www.broward.org/GoGreen/GoSOLAR/Pages/StakeholdersGroup.aspx>

VI. Next Steps

- Will provide list of all design specifications that will be sent out to the manufacturers
- Timeline
 - Design specifications ready by **April 30th**
 - Send out Advantage In-Kind Agreement to the mount and rail manufacturers by **May 1st**
 - Next Committee meeting end of **May** – stakeholder approval of permit package

VII. Adjourn



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Participating Partners

City of Coconut Creek, Dania Beach, Davie, Deerfield Beach, Fort Lauderdale, Hallandale, Hillsboro Beach, Lauderdale-by-the-Sea, Miramar, North Lauderdale, Oakland Park, Pompano Beach, Sunrise, Tamarac, Florida Power & Light, Broward County School Board, Broward League of Cities, Broward County Board of Rules and Appeals, State Office of Energy, and Florida Solar Energy Center

