

**Dorothy Menasco**

080503-EI

**From:** Mary Davis [MD@beggslane.com]  
**Sent:** Tuesday, December 13, 2011 12:03 PM  
**To:** Dorothy Menasco  
**Subject:** RE: Electronic service

FPSC, CLK - CORRESPONDENCE  
 \_\_\_Administrative\_\_\_ ☒ Parties \_\_\_Consumer\_\_\_  
 DOCUMENT NO. 06466-08  
 DISTRIBUTION: \_\_\_\_\_

No Changes  
 Necessary

-DM

Ms. Menasco,

The dockets that we are requesting information updated in would be the following:

110283-EI  
 110138-EI  
 110007-EI  
 110002-EG  
 110001-EI  
 100418-EI  
 100304-EU  
 080503-EI ✓

Please let me know if you need further information. Thank you for your assistance in this matter.

Mary

**Mary E. Davis**

Legal Assistant to Jeffrey A. Stone,  
 Russell A. Badders and Steven R. Griffin  
 Beggs & Lane  
 501 Commendencia Street  
 Pensacola, FL 32502  
 (850)432-2451  
 Fax (850)469-3331  
 md@beggslane.com

**From:** Dorothy Menasco [mailto:DMenasco@PSC.STATE.FL.US]  
**Sent:** Tuesday, December 13, 2011 10:50 AM  
**To:** Mary Davis  
**Subject:** FW: Electronic service

Ms. Davis:

We are in receipt of your request to update the contact information below. However, we are in need of additional information. Please advise which docket(s) you would like this information updated in. Upon receipt of this information, we will be glad to make that change. You may call our office if you have any questions.

Thank you for your help.

*Dorothy Menasco  
 Florida Public Service Commission  
 Office of Commission Clerk  
 850-413-6770*

Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

**From:** Matilda Sanders

12/13/2011

**Sent:** Tuesday, December 13, 2011 11:44 AM  
**To:** Dorothy Menasco  
**Subject:** RE: Electronic service

fyi.

---

**From:** Mary Davis [mailto:MD@beggslane.com]  
**Sent:** Tuesday, December 13, 2011 9:16 AM  
**To:** Records Clerk  
**Subject:** Electronic service

Our firm represents Gulf Power Company in matters before the Florida Public Service Commission. According to the fax cover sheet generated by the PSC Case Management System, our email address of record was unavailable, therefore instead of email notifications, we were receiving faxes of documentation. Please add the following email addresses to the Case Management System so that we will receive electronic service of future documents instead of receiving faxes. The addresses are:

Jeffrey A. Stone – [jas@beggslane.com](mailto:jas@beggslane.com)  
Russell A. Badders – [rab@beggslane.com](mailto:rab@beggslane.com)  
Steven R. Griffin – [srg@beggslane.com](mailto:srg@beggslane.com)  
Mary Davis – [md@beggslane.com](mailto:md@beggslane.com)

Please let me know if you need further information or documentation in order to add these email addresses to the Case Management System.

Respectfully,  
Mary Davis

**Mary E. Davis**  
Legal Assistant to Jeffrey A. Stone,  
Russell A. Badders and Steven R. Griffin  
Beggs & Lane  
501 Commendencia Street  
Pensacola, FL 32502  
(850)432-2451  
Fax (850)469-3331  
[md@beggslane.com](mailto:md@beggslane.com)

CONFIDENTIALITY NOTICE: This e-mail and any files transmitted with it are confidential and are intended solely for the use and benefit of the individual or entity to which they are addressed. This communication may contain material protected by the attorney-client privilege. If you are not the intended recipient or the person responsible for delivering the e-mail to the intended recipient, be advised that you have received this e-mail in error, and that any use, dissemination, forwarding, printing, or copying of e-mail is strictly prohibited. If you received this e-mail in error, please immediately notify Beggs & Lane, RLLP by return e-mail or at telephone number (850)432-2451 ext. 4221.

12/13/2011



**Dorothy Menasco**

080503-EI

**From:** Dorothy Menasco  
**Sent:** Wednesday, November 17, 2010 12:12 PM  
**To:** 'Beth Keating'  
**Subject:** FW: Notices of Change of Address and Law Firm Contact Information

FPSC, CLK - CORRESPONDENCE  
 \_\_\_Administrative\_\_\_ ☒ **Parties** \_\_\_Consumer\_\_\_  
**DOCUMENT NO.** 06466-08  
**DISTRIBUTION:**

Sorry Beth, I forgot to include you on the confirmation e-mail below.

*Dorothy Menasco  
 Chief Deputy Commission Clerk  
 Florida Public Service Commission  
 Office of Commission Clerk  
 850-413-6770*

Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

**From:** Dorothy Menasco  
**Sent:** Wednesday, November 17, 2010 12:09 PM  
**To:** 'Matthew Feil'  
**Subject:** RE: Notices of Change of Address and Law Firm Contact Information

Thank you for the update, Matt. I will change the address per your request in Docket 100404-EI. I have confirmed with Martha Brown that we can remove Akerman Law Firm/Keating as a party of record in Docket 080503-EI as well. Have a good afternoon!

*Dorothy Menasco  
 Chief Deputy Commission Clerk  
 Florida Public Service Commission  
 Office of Commission Clerk  
 850-413-6770*

Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

**From:** Matthew Feil [mailto:MFeil@gunster.com]  
**Sent:** Tuesday, November 16, 2010 5:19 PM  
**To:** Dorothy Menasco  
**Subject:** RE: Notices of Change of Address and Law Firm Contact Information

Dorothy,

I talked with Beth. Please keep us on the first case, changing the address. And take Beth off the second.

Thanks for checking!

Matt

**From:** Dorothy Menasco [mailto:DMenasco@PSC.STATE.FL.US]  
**Sent:** Tuesday, November 16, 2010 4:52 PM  
 11/17/2010

**To:** Beth Keating; Matthew Feil  
**Subject:** Notices of Change of Address and Law Firm Contact Information

Good afternoon, Beth and Matt:

I ran a search of our CMS contacts and there are still two dockets that show Ackerman/Keating and one that shows Ackerman/Feil. Please advise if the following dockets should be updated to reflect your most recent address change to Gunster:

(Keating/Feil) 080503-EI - Establishment of rule on renewable portfolio standard.

(Keating) 100404-EI - Petition by Florida Power & Light Company to recover Scherer Unit 4 Turbine Upgrade costs through environmental cost recovery clause or fuel cost recovery clause.

Thank you for your help.

*Dorothy Menasco  
Chief Deputy Commission Clerk  
Florida Public Service Commission  
Office of Commission Clerk  
850-413-6770*

Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

---

**Tax Advice Disclosure:** To ensure compliance with requirements imposed by the IRS under Circular 230, we inform you that any U.S. federal tax advice contained in this communication (including any attachments), unless otherwise specifically stated, was not intended or written to be used, and cannot be used, for the purpose of (1) avoiding penalties under the Internal Revenue Code or (2) promoting, marketing or recommending to another party any matters addressed herein. Click the following hyperlink to view the complete Gunster IRS Disclosure & Confidentiality note.

<http://www.gunster.com/terms-of-use/>

11/17/2010

**Dorothy Menasco**

080503 - EI

**From:** Dorothy Menasco  
**Sent:** Wednesday, November 17, 2010 9:57 AM  
**To:** Martha Brown  
**Cc:** Jennifer Crawford  
**Subject:** FW: Notices of Change of Address and Law Firm Contact Information

FPSC, CLK - CORRESPONDENCE  
 \_\_\_Administrative\_\_\_ XParties\_\_\_Consumer\_\_\_  
 DOCUMENT NO. 06466-08  
 DISTRIBUTION: \_\_\_\_\_

Thank you. We will remove Akerman/Keating as a party of record per your confirmation below.

**From:** Martha Brown  
**Sent:** Wednesday, November 17, 2010 9:51 AM  
**To:** Dorothy Menasco  
**Subject:** RE: Notices of Change of Address and Law Firm Contact Information

I guess so, if that's what they want.

**From:** Dorothy Menasco  
**Sent:** Wednesday, November 17, 2010 9:37 AM  
**To:** Martha Brown  
**Cc:** Jenny Wu  
**Subject:** FW: Notices of Change of Address and Law Firm Contact Information

Good morning, Martha,

You may have heard by now that Matt Feil, Beth Keating, and Lila Jaber are no longer at Akerman. Per e-mail requests, I recently updated several dockets to show their new address. When I was done entering all the ones they advised me of, I did a search to see if anything else came up. My search brought up two dockets. I have been asked by Matt, per Beth's instruction, to remove Beth from Docket 100404-EI. Please confirm if we are to completely remove Akerman/Keating from that docket. Thank you for your help.

*Dorothy Menasco  
 Chief Deputy Commission Clerk  
 Florida Public Service Commission  
 Office of Commission Clerk  
 850-413-6770*

Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

**From:** Matthew Feil [mailto:MFeil@gunster.com]  
**Sent:** Tuesday, November 16, 2010 5:19 PM  
**To:** Dorothy Menasco  
**Subject:** RE: Notices of Change of Address and Law Firm Contact Information

Dorothy,

I talked with Beth. Please keep us on the first case, changing the address. And take Beth off the second.

Thanks for checking!

11/17/2010

Matt

---

**From:** Dorothy Menasco [mailto:DMenasco@PSC.STATE.FL.US]  
**Sent:** Tuesday, November 16, 2010 4:52 PM  
**To:** Beth Keating; Matthew Feil  
**Subject:** Notices of Change of Address and Law Firm Contact Information

Good afternoon, Beth and Matt:

I ran a search of our CMS contacts and there are still two dockets that show Ackerman/Keating and one that shows Ackerman/Feil. Please advise if the following dockets should be updated to reflect your most recent address change to Gunster:

(Keating/Feil) 080503-EI - Establishment of rule on renewable portfolio standard.

(Keating) 100404-EI - Petition by Florida Power & Light Company to recover Scherer Unit 4 Turbine Upgrade costs through environmental cost recovery clause or fuel cost recovery clause.

Thank you for your help.

*Dorothy Menasco  
Chief Deputy Commission Clerk  
Florida Public Service Commission  
Office of Commission Clerk  
850-413-6770*

Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

---

**Tax Advice Disclosure:** To ensure compliance with requirements imposed by the IRS under Circular 230, we inform you that any U.S. federal tax advice contained in this communication (including any attachments), unless otherwise specifically stated, was not intended or written to be used, and cannot be used, for the purpose of (1) avoiding penalties under the Internal Revenue Code or (2) promoting, marketing or recommending to another party any matters addressed herein. Click the following hyperlink to view the complete Gunster IRS Disclosure & Confidentiality note.

<http://www.gunster.com/terms-of-use/>

11/17/2010

**Dorothy Menasco**

080503-EI

**From:** Dorothy Menasco  
**Sent:** Monday, June 14, 2010 5:01 PM  
**To:** 'Cutshaw, Mark'  
**Cc:** Cindy Miller  
**Subject:** RE: Electronic Notices

**FPSC, CLK - CORRESPONDENCE**  
 \_\_\_Administrative\_\_\_ ☒ **Parties** \_\_\_Consumer\_\_\_  
**DOCUMENT NO.** 06466-08  
**DISTRIBUTION:** \_\_\_\_\_

Thank you for the clarification, Mr. Cutshaw. Per your request, the U.S. mail address is being removed from the contacts list for Docket 080503-EI.

Thank you for your assistance.

*Dorothy Menasco*  
*Chief Deputy Commission Clerk*  
*Florida Public Service Commission*  
*Office of Commission Clerk*  
*850-413-6770*

Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

---

**From:** Cutshaw, Mark [mailto:mcutshaw@fpuc.com]  
**Sent:** Monday, June 14, 2010 4:45 PM  
**To:** Dorothy Menasco  
**Subject:** RE: Electronic Notices

Please remove my mailing address. Thanks.

Mark Cutshaw, General Manager  
 Florida Public Utilities Company  
 911 South 8th Street  
 Fernandina Beach, Florida 32034  
 (904)277-1957 office  
 (904)753-1272 cell

---

**From:** Dorothy Menasco [mailto:DMenasco@PSC.STATE.FL.US]  
**Sent:** Monday, June 14, 2010 9:09 AM  
**To:** Cutshaw, Mark  
**Cc:** Matilda Sanders; Cindy Miller  
**Subject:** RE: Electronic Notices

Mr. Cutshaw:

As mentioned earlier, your e-mail address will be the primary means of sending documents from the Clerk's Office, and per your request, the fax number will be the secondary. Please confirm whether or not you wish to have your mailing address completely removed from the contacts list for Docket 080503-EI. Please note that by removing your mailing address, and in the event that your e-mail or fax experience problems, you will not receive a copy of the document by U.S. mail.

Thank you for your help.

*Dorothy Menasco*

6/29/2010

Chief Deputy Commission Clerk  
Florida Public Service Commission  
Office of Commission Clerk  
850-413-6770

*Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.*

-----Original Message-----

From: Cutshaw, Mark [<mailto:mcutshaw@fpuc.com>]  
Sent: Saturday, June 12, 2010 10:31 PM  
To: Records Clerk  
Subject: RE: Electronic Notices

Please use my email as the primary and use my fax number (904-261-3666) as the secondary. I am not involved in other current dockets. Please use this for all my future correspondence.

P. Mark Cutshaw, General Manager  
Florida Public Utilities Company  
911 South 8th Street  
Fernandina Beach, Florida 32034  
(904)277-1957 office  
(904)753-1272 cell

---

From: Dorothy Menasco on behalf of Records Clerk  
Sent: Fri 6/11/2010 8:12 PM  
To: Cutshaw, Mark  
Cc: Matilda Sanders; Nonnye Grant  
Subject: RE: Electronic Notices

Mr. Cutshaw:

We are in receipt of your request to change your contact information preferences. Please note that our system is designed to send documents via e-mail first. If documents can not be delivered to the e-mail address, the system attempts to fax the information. If no fax number is available, the system notifies us that we need to send the document via U.S. Mail. If you wish to have your fax number or mailing address available as a back-up, please advise.

If you do not wish to have your fax number or mailing address available for back-up purposes, please confirm that you wish to have your mailing address removed from the contacts list for Docket 080503-EI which is currently pending before the Commission. Your e-mail address is currently showing as [mcutshaw@fpuc.com](mailto:mcutshaw@fpuc.com) in the contact list for that docket.

If there are any other dockets pending before the Commission for which you would like your contact information updated, please advise.

Thank you for your help. Give our office a call if you have any questions.

6/29/2010

*Dorothy Menasco  
Chief Deputy Commission Clerk  
Florida Public Service Commission  
Office of Commission Clerk  
850-413-6770*

*Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.*

---

From: Cutshaw, Mark [<mailto:mcutshaw@fpuc.com>]  
Sent: Friday, June 11, 2010 4:19 PM  
To: Records Clerk  
Subject: Electronic Notices

I would like to begin receiving all notices electronically rather than by mail. Please change my preferences for this and send the notices to [mcutshaw@fpuc.com](mailto:mcutshaw@fpuc.com) .

If you have any questions please let me know. Thanks for your assistance.

Mark Cutshaw, General Manager  
Florida Public Utilities Company  
911 South 8th Street  
Fernandina Beach, Florida 32034  
(904)277-1957 office  
(904)753-1272 cell

6/29/2010

12/22/2009 12:59 PM

Office of Commission Clerk Official Filing

Ruth Nettles

080503

From: Katie Ely on behalf of Records Clerk  
Sent: Monday, December 21, 2009 3:54 PM  
To: Ruth Nettles  
Cc: Dorothy Menasco  
Subject: FW: Change of name in dockets

Interested Person/Parties name change from Record Clerk.

Katie Ely  
Staff Assistant - Office of Commission Clerk Florida Public Service Commission  
850-413-6304

Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are considered to be public records and will be made available to the public and the media upon request. Therefore, your e-mail message may be subject to public disclosure.

-----Original Message-----

From: Pat Pottle [mailto:ppottle@ausley.com]  
Sent: Monday, December 21, 2009 3:36 PM  
To: Records Clerk  
Subject: Change of name in dockets

FPSC, CLK - CORRESPONDENCE  
Administrative ~~Parties~~ Consumer  
DOCUMENT NO. 06466-08  
DISTRIBUTION: \_\_\_\_\_

Would you please remove Lee Willis from all FPSC dockets with which he was involved and substitute James D. Beasley in his place.

Thank you for your assistance.

Patricia G. Pottle  
Legal Assistant to James D. Beasley  
Ausley & McMullen  
P. O. Box 391  
Tallahassee, FL 32302  
(850) 425-5486

Dme  
12/22/09  
KUN

080317  
080409  
080503  
080580

090001  
090002  
090007  
090109  
090146  
090439  
090508

1. The foregoing is not intended to be a legally binding or legally effective electronic signature.
2. This message is being sent by or on behalf of a lawyer. It is intended exclusively for the individual(s) or entity(ies) to which it is addressed. This message may contain information that is privileged, proprietary,



---

12/22/2009 12:59 PM

**Office of Commission Clerk Official Filing**

confidential, or otherwise legally exempt from disclosure. If you are not the named addressee, you are not authorized to read, print, retain, copy or disseminate this message or any part of it, electronically, verbally or in writing. If you have received this message in error, please notify the sender immediately by email and delete all copies of the message. I apologize for any inconvenience this may have caused. Thank you.

**Dorothy Menasco**

080503

**From:** Kimberley Pena  
**Sent:** Thursday, April 02, 2009 9:16 AM  
**To:** Dorothy Menasco  
**Cc:** Ann Cole  
**Subject:** Updates to mailing list in Docket 080503  
**Attachments:** RE: email address for docket 080503; RE: email address for docket 080503

Please see attached e-mail requests to update information on the mailing list.

Done  
4/2/09  
-am

FPSC, CLK - CORRESPONDENCE  
\_Administrative\_ ~~Parties~~ Consumer  
DOCUMENT NO. 0446-08  
DISTRIBUTION: \_\_\_\_\_

4/2/2009

**Dorothy Menasco**

**From:** Karen Webb  
**Sent:** Wednesday, April 01, 2009 1:40 PM  
**To:** 'Rick Neal'  
**Cc:** Kimberley Pena  
**Subject:** RE: email address for docket 080503

Hi Mr. Neal,

We are correcting this information. Thank you very much for notifying us.

Karen

---

**From:** Rick Neal [mailto:Rick.Neal@powersouth.com]  
**Sent:** Tuesday, March 31, 2009 12:02 PM  
**To:** Karen Webb  
**Subject:** email address for docket 080503

Ms. Webb,  
 Under the following link,  
<http://www.psc.state.fl.us/dockets/cms/docketdetails.aspx?docket=080503>  
 my email address for interested parties is incorrect,  
 it should be [rick.neal@powersouth.com](mailto:rick.neal@powersouth.com)

Thanks  
 Rick Neal  
 Generation Planning Analyst  
 PowerSouth Energy Cooperative  
 P. O. Box 550 (36420)  
 2027 East Three Notch St (36421)  
 Andalusia, AL  
 (334) 427-3716 / office  
 (334) 427-3781 / fax  
[rick.neal@powersouth.com](mailto:rick.neal@powersouth.com)



**POWERSOUTH™**  
 ENERGY COOPERATIVE

This e-mail message and all attachments transmitted with it may contain legally privileged and confidential information intended solely for the use of the addressee. If the reader of this message is not the intended recipient, you are hereby notified that any reading, dissemination, distribution, copying, or other use of this message or its attachments is strictly prohibited. If you have received this message in error or no longer wish to receive e-mail from this sender, please forward a copy of this message to [abuse@powersouth.com](mailto:abuse@powersouth.com) to notify the sender or to be removed from the sender's distribution list.

4/2/2009

## Dorothy Menasco

---

**From:** Karen Webb  
**Sent:** Wednesday, April 01, 2009 1:43 PM  
**To:** 'Rick Neal'  
**Cc:** Kimberley Pena  
**Subject:** RE: email address for docket 080503

Hi Mr. Neal,

Thank you for this notification. We will make the appropriate changes.

Thank you,  
Karen Webb

---

**From:** Rick Neal [mailto:Rick.Neal@powersouth.com]  
**Sent:** Tuesday, March 31, 2009 12:27 PM  
**To:** Karen Webb  
**Subject:** RE: email address for docket 080503

I also notice that Ken Skroback is still listed as an interested party, but he has retired.  
The new contact for him should be Damon Morgan

Damon Morgan  
VP Power Supply  
PowerSouth Energy Cooperative.  
Post Office Box 550  
Andalusia, AL 36420  
Phone: 334-427-3240  
Email: [damon.morgan@powersouth.com](mailto:damon.morgan@powersouth.com)

---

**From:** Rick Neal  
**Sent:** Tuesday, March 31, 2009 11:02 AM  
**To:** 'KWWEBB@PSC.STATE.FL.US'  
**Subject:** email address for docket 080503

Ms. Webb,  
Under the following link,  
<http://www.psc.state.fl.us/dockets/cms/docketdetails.aspx?docket=080503>  
my email address for interested parties is incorrect,  
it should be [rick.neal@powersouth.com](mailto:rick.neal@powersouth.com)

Thanks  
Rick Neal  
Generation Planning Analyst  
PowerSouth Energy Cooperative  
P. O. Box 550 (36420)  
2027 East Three Notch St (36421)  
Andalusia, AL  
(334) 427-3716 / office  
(334) 427-3781 / fax  
[rick.neal@powersouth.com](mailto:rick.neal@powersouth.com)

4/2/2009



**PowerSouth™**  
ENERGY COOPERATIVE

This e-mail message and all attachments transmitted with it may contain legally privileged and confidential information intended solely for the use of the addressee. If the reader of this message is not the intended recipient, you are hereby notified that any reading, dissemination, distribution, copying, or other use of this message or its attachments is strictly prohibited. If you have received this message in error or no longer wish to receive e-mail from this sender, please forward a copy of this message to [abuse@powersouth.com](mailto:abuse@powersouth.com) to notify the sender or to be removed from the sender's distribution list.

4/2/2009

**Dorothy Menasco**

080503

**From:** Karen Webb  
**Sent:** Tuesday, March 17, 2009 7:59 AM  
**To:** Kimberley Pena  
**Cc:** Dorothy Menasco  
**Subject:** RE: Docket 080503

**FPSC, CLK - CORRESPONDENCE**  
**\_\_\_Administrative\_\_\_** ☒ **Parties** **\_\_\_Consumer**  
**DOCUMENT NO.** 06466-08  
**DISTRIBUTION:** \_\_\_\_\_

Hi Kim,

Hope all is well!

[Cochran.Keating@myfloridahouse.gov](mailto:Cochran.Keating@myfloridahouse.gov)  
(850) 921-2449

Karen

---

**From:** Kimberley Pena  
**Sent:** Monday, March 16, 2009 4:33 PM  
**To:** Karen Webb  
**Cc:** Dorothy Menasco  
**Subject:** Docket 080503

Karen, the contact information we have in the docket for Cochran Keating, Florida House is inaccurate. The e-mails are getting kicked back and the phone number is not in service. Could you look into this? Thanks.

Done  
3/17/09  
-am

3/17/2009

**Kimberley Pena** 080503

---

**From:** Kimberley Pena  
**Sent:** Thursday, March 05, 2009 8:01 AM  
**To:** 'Suzanne Brownless'  
**Subject:** RE: Docket 080503

Per this e-mail, the information has been updated. Thank you for your help in this matter.

Kimberley M. Peña  
Chief Deputy Commission Clerk  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850  
(850) 413-6770

FPSC, CLK - CORRESPONDENCE  
Administrative ~~Parties~~ Consumer  
DOCUMENT NO. 080503-08  
DISTRIBUTION: \_\_\_\_\_

*Done  
03/05/09  
KMP*

---

**From:** Suzanne Brownless [mailto:suzannebrownless@comcast.net]  
**Sent:** Wednesday, March 04, 2009 8:15 PM  
**To:** Kimberley Pena  
**Subject:** Re: Docket 080503

Yes, please.  
Many thanks,  
Suzanne Brownless

----- Original Message -----

**From:** Kimberley Pena  
**To:** [suzannebrownless@comcast.net](mailto:suzannebrownless@comcast.net)  
**Sent:** Wednesday, March 04, 2009 11:03 AM  
**Subject:** Docket 080503

Ms. Brownless, when updating your e-mail address, I found an additional entry in the above reference docket for you. Please confirm that you would like your e-mail address also updated in Docket 080503. Thank you.

Kimberley M. Peña  
Chief Deputy Commission Clerk  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850  
(850) 413-6770

3/5/2009

080503

COMMISSIONERS:  
MATTHEW M. CARTER II, CHAIRMAN  
LISA POLAK EDGAR  
KATRINA J. McMURRIAN  
NANCY ARGENZIANO  
NATHAN A. SKOP

STATE OF FLORIDA



OFFICE OF COMMISSION CLERK  
ANN COLE  
COMMISSION CLERK  
(850) 413-6770

Public Service Commission

January 29, 2009

Mr. R. Bruce Kershner  
Florida Solar Energy Industries Association  
231 West Bay Avenue  
Longwood, FL 32750-4125

FPSC, CLK - CORRESPONDENCE  
Administrative Parties Consumer  
DOCUMENT NO. 06466-08  
DISTRIBUTION: \_\_\_\_\_

Dear Sir or Madam:

Your name appears on one or more of the Public Service Commission's notice list(s) for receipt of notice of scheduled events in electric, gas, water, wastewater, and/or telecommunications matters before the Commission. Section 283.55, Florida Statutes, requires that we periodically purge our mailing list. Please confirm your desire to continue receiving notices, which are also available on the Commission's website at [www.floridapsc.com](http://www.floridapsc.com), under "Agendas & Hearings."

( ) I would like to receive notice of scheduled events in hard copy format.

Change of Address: \_\_\_\_\_

(if applicable) \_\_\_\_\_

(X) I would like to receive electronic notice at email address: Bruce@FlaSEIA.org

( ) I no longer wish to receive notice of scheduled events.

If you wish to continue receiving notices, please indicate notice and industry:

Notice of Commission (X) Workshops  
(X) Rulemaking  
(X) Hearings

Industry (X) Electric  
( ) Gas  
( ) Water  
( ) Wastewater  
( ) Telecommunications  
(X) Renewable Energy (Solar)

Your response must be received by March 30, 2009, at the address below, in order for you to remain on the notice list. Thank you for your cooperation.

2-5-09 - Same Ck/Bera cy of lt to place  
Mr. Kershner as an interest person in  
dkt 080503-E1

Sincerely,

Ann Cole  
Commission Clerk

Done  
02/09/09  
14muf

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD • TALLAHASSEE, FL 32399-0850

An Affirmative Action/Equal Opportunity Employer

PSC Website: <http://www.floridapsc.com>

Internet E-mail: [contact@psc.state.fl.us](mailto:contact@psc.state.fl.us)

RECEIVED-FPSC  
09 FEB -5 AM 9:12  
COMMISSION CLERK

25-09  
Spoke w  
Nanna



**Ann Cole**

**From:** Ann Cole  
**Sent:** Friday, February 06, 2009 2:55 PM  
**To:** Mary Bane  
**Cc:** Chuck Hill; Selena Chambers; Betty Ashby  
**Subject:** RE: Draft RPS Rule is not acceptable

FPSC CLK - CORRESPONDENCE  
 Administrative ☒ Parties ☐ Consumer  
 DOCUMENT NO. 06466-08  
 DISTRIBUTION: \_\_\_\_\_

**Tracking:** **Recipient**      **Read**  
                  Mary Bane  
                  Chuck Hill      Read: 2/6/2009 2:56 PM  
                  Selena Chambers Read: 2/6/2009 3:01 PM  
                  Betty Ashby      Read: 2/6/2009 3:22 PM

Thank you for this information. Steve Dan is a part of record to this docket. Unless otherwise instructed, this will be placed in *Docket Correspondence - Parties and Interested Persons*, Docket No. 080503-EI.

**From:** Mary Bane  
**Sent:** Friday, February 06, 2009 2:20 PM  
**To:** 'steve@danconsulting.com'  
**Cc:** Commissioners & Staffs; Ann Cole; Mark Futrell  
**Subject:** FW: Draft RPS Rule is not acceptable

February 6, 2009

RE: Docket #080503 - Draft Rule on Renewable Portfolio Standard

Dear Mr. Dan,

The Florida Public Service Commission appreciates your continued efforts to increase the amount of renewable generation in Florida. I know you and our staff have had numerous discussions about your concerns. I am responding to your February 2 e-mail regarding the proposed draft rule on a Renewable Portfolio Standard (RPS), which was recently delivered to the Legislature for consideration.

House Bill 7135 required the Commission to develop a draft rule according to the requirements outlined by the Legislature, and the bill specifically states that the rule shall not be implemented until ratified by the Legislature. The Commission submitted the draft rule to the Legislature on January 30, 2009, as required by the bill.

Among the various requirements of HB 7135, the Commission was directed to develop guidelines under which investor-owned utilities provide renewable electricity to their customers by either procurement of the energy from renewable power producers or through the purchase of Renewable Energy Credits (RECs). Any power procured through a Purchased Power Agreement (PPA) is the result of a contract between the utility and a generator. The prices defined in those PPAs reflect the negotiations between the generator and the utility and the rule allows the utility to purchase renewable energy at above avoided cost. Should the draft RPS rule become effective, a Florida REC market would be established

2/6/2009

using an independent administrator and the price of Florida RECs would be determined by the market. Your comments indicate that you support a market rate approach to pricing renewable energy and that is the approach taken with the proposed rule.-

If the draft RPS rule is ratified by the Legislature, small renewable power producers (less than 2 MWs) will have two ways to sell power to the utility. First, if a small generator has not accepted an incentive payment from the utility, they will be eligible to participate under the RPS rule. A second way in which the customer can sell renewable power to the utility is under the Commission's existing net metering rule, Rule 25-6.065, Florida Administrative Code. Under this rule, customers receive credit each month for excess generation at what is effectively the retail rate, rolling forward until the end of the calendar year. At the end of the calendar year, the utility pays the customer for the remaining excess kilowatt hours at the as-available energy rate, which is very close to the retail rate. Customers generating the electricity are awarded all RECs associated with the energy. They are free to sell these RECs to any broker or marketer of their choosing, thereby gaining an added layer of value to their renewable systems.

The Commission voted to submit the market approach draft RPS rule to the Legislature for consideration, but also included as part of the package an alternative RPS proposal based on a standard offer contract approach. The Commission's intent was to provide the Legislature with as much information as possible on the various proposals which were considered during the rule development process. If you so desire, I will be happy to provide you with a copy of the package submitted to the Legislature.

Please feel free to contact the Commission with your concerns in the future. We appreciate and value input from all persons affected by Commission decisions.

Mary A. Bane  
Executive Director

---

**From:** Steven Dan [mailto:steve@danconsulting.com]

**Sent:** Monday, February 02, 2009 11:20 PM

**To:** Mark Futrell; Office Of Commissioner Edgar; Office of the Chairman; Office of Commissioner McMurrian; Office of Commissioner Argenziano; Office of Commissioner Skop

**Cc:** Charlie.Crist@eog.myflorida.com; Mel\_Martinez@martinez.senate.gov; Bill\_Nelson@nelson.senate.gov; jfenton@fsec.ucf.edu; reedy@fsec.ucf.edu

**Subject:** Draft RPS Rule is not acceptable

TO: The Florida PSC:

My name is Steven Dan and we have been attempting to navigate the many roadblocks from the PSC and IOUs on our solar PV project for years now. And now that the banking system is such a mess, I don't know when we'll be able to get it going.

We can't get things started because we can't get a legitimate PPA contract – acceptable by a bank – going. We can't get funding even though our Governor is asking us to do it, our state and federal Representatives and Senators are trying to get us to do it and our President is wanting our country to move in that direction.

2/6/2009

Who's stopping us ? As best I can tell – it's the Florida PSC and the IOU's who's interests the PSC seems to be looking after a lot too much.

The fact that the PSC drafted a whole RPS and never corrected the fact that it is based on the non-bankable, monopoly-controlling, theft-from-renewables PPAs that have been SUCCESSFULLY keeping renewables out of Florida for years is an OUTRAGE.

We can't begin the process of rebuilding America when the PSC through this blatantly unfair RPS built for the IOUs stand firmly in the way ?

We have a baseline document that was created for this purpose by the US Treasury – OCC Interpretive Letter 1051 (March 2006) 12USC 24(7)  
[www.occ.treas.gov/law/int1051.pdf](http://www.occ.treas.gov/law/int1051.pdf)

WE NEED A LEGITIMATE, BANKABLE CONTRACT and we need it RIGHT NOW.

WE NEED A BANKABLE, DERIVATIVE CONTRACT SO THAT WE CAN ACCESS THE STIMULUS MONEY BY HAVING A RECOGNIZED LEGITIMATE AGREEMENT PER OCC #1051.

WE DEMAND THAT THE PSC CEASE NEGOTIATING AWAY OUR PROCEEDS – YOU CANNOT ACHIEVE THE AMBITIOUS GOALS BY GIVING AWAY INCENTIVES MEANT TO HELP SMALL BUSINESSES GET STARTED TO COMPANIES MAKING BILLIONS IN PROFITS EACH QUARTER AND HAVE A MONOPOLY TO BOOT.

"Avoided Cost Plus" puts us all in an untenable position, we do not exist to enrich the monopolies, and can't even get financing because the contract isn't recognized by any bank.

You cannot give the IOUs the difference between the "Avoided Cost PLUS" and the market price. That has to go to the supplier of the power – anything but that and – it begs the question of who you're working for ?

You SHOULD be working to make sure the small business people who are trying to get this moving – can afford to do that. What you SEEM to be doing is making sure the IOUs will have no real competition ever – and in the end they'll be able to build their own dirty power facility claiming that there's no reasonably priced alternative power out there.

Nobody should be able to buy my power at a discount and sell it at the retail rate – I should be able to sell it at the retail rate since I made it. The IOUs have no cost if I build a renewable solar power plant on my building. The power is being consumed locally – by us and by the next nearest consumer.

ALL of us have paid for the infrastructure that FPL and other IOUs think they have proprietary rights to because they work on the lines.

After every storm, we get an assessment and we pay for the rebuilding of the power lines - the CONTINUED brilliance of ABOVE GROUND power lines – the kind that need significant work after every storm. So, we not only pay for it, we pay for it after every storm. We've bought the same infrastructure time and time again over the years. So, for IOUs to claim it's theirs that they maintain is a joke – it's all of ours – we all paid for it. So we should all get equal access and we should get paid the full retail rate for power we produce and get a full retail credit at the end of the year – not some watered down avoided cost reconciliation if we make more power than we use. Just cut us a check for the retail rate – make it a true fair competition.

WE ALL HAVE WAITED LONG ENOUGH.

THE PEOPLE OF FLORIDA HAVE WAITED TOO LONG IF YOU ARE THINKING OF PUTTING *IN NUCLEAR PLANTS* INSTEAD AT OUR EXPENSE.

I don't recall if Navigant included all the costs of nuclear in their assessment – like the costs of the fuel and the costs of nuclear storage. I also didn't see a cost for cleaning up the environment from coal ash – in the event a dam breaks and ruins rivers and communities or a nuclear plant cooling tube gets a hole in it and sends millions of gallons of nuclear waste into Biscayne Bay – by contrast, the worst that can happen with most of the renewable is – they stop working – there's no potential for massive costs, massive destruction of irreplaceable natural habitat and potential loss of life. Their characterization that nuclear is "cheaper" – is not accurate when ALL costs are factored in.

NOT A SINGLE DOLLAR OF STIMULUS MONEY SHOULD BE MADE AVAILABLE TO NUCLEAR PLANTS UNTIL ALL RENEWABLE PROJECTS HAVE FINANCING, MADE POSSIBLE THROUGH A LEGITIMATE CONTRACT RECOGNIZED BY OUR OWN GOVERNMENT.

It really seems that the IOU's have paid their lobbyists well and they are getting what they paid for – a completely biased RPS that will result in few legitimate renewable energy getting off the ground – certainly never meeting any goals. We can't get financing – and as the time ticks away each day – the IOUs get closer to their goal of saying, "see, we tried – can't be done – oh well, guess we'll just put in another nuclear power plant and burn coal in the meantime – oh and here you go - enjoy the acid rain and nuclear waste on us – you figure out what to do with it".

That's not an acceptable way to proceed. The IOUs do not get anything and everything they want.

It's OUR country – everyday people make it work – and you need to help the

people make it work.

We deserve at the least – equal treatment. The avoided cost model is not acceptable. Full retail rate for anyone making better power than the IOUs. My solar power is better than FPLs for the simple reason that mine doesn't pollute. That makes it better. You cannot not give away the proceeds to people who didn't earn it – as that will cause people to collectively not do anything.

A lot of talk and posturing and in the end, the IOUs get to make money off of me – and over time, less and less people will bother with trying to get into renewable energy just at a time when we really need everyone to work hard towards a common goal and the PSC seems to be doing so much to hand over our money to the IOUs – it's unethical and clearly unfair.

A market rate contract is fair and simple and after all – if your goal is to stimulate renewable energy, there's a clear way to do it – and that's not the way you are doing it now.

If the IOUs can make cleaner power, then let them – nuclear is not clean, it is a dangerous technology that has dangerous waste that needs to be guarded from terrorists forever and has the potential for ending all our lives. That's not an equivalent – my solar panels will never have that capability, never that risk, never that need to be guarded from terrorists, never needing to be buried for years. These are not equal things and you are not considering all the true costs and risks.

You need to revise the RPS for the people of Florida and not the IOUs – I have a feeling with their billions of profits quarterly, they might just survive without you giving them our incentives.

(Didn't FPL just make record profits AGAIN ?)

You need to look after the people of Florida and fix this RPS – it's not going to work the way it is.

Signed,

Steven Dan



Keefe, Anchors  
Gordon & Moyle

RECEIVED-FPSC

09 JAN 16 AM 9:37

COMMISSION  
CLERK

January 15, 2009

09 JAN 16 AM 8:28

080503

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

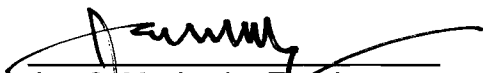
Re: 080193-EQ, 080503-EI, 080317-EI, 060614-TC, 000121A-TP, 080159-TP, 080641-TP,  
060644-TL 070235-EQ ✓ 080278-TL ✓ 080271-EI ✓

Dear Ms. Cole:

Please take notice that, effective January 1, 2009, the ASG Litigation Group has changed its name and henceforth will be known as Keefe, Anchors, Gordon & Moyle. The address and phone number will remain the same.

Accordingly, attorneys Vicki Gordon Kaufman and Jon C. Moyle, Jr. will be practicing with the law firm of Keefe, Anchors, Gordon & Moyle. Ms. Kaufman's new email address is [vkaufman@kagmlaw.com](mailto:vkaufman@kagmlaw.com), and Mr. Moyle's new email address is [jmoyle@kagmlaw.com](mailto:jmoyle@kagmlaw.com).

Please change your records accordingly. Thank you for your assistance.

  
Jon C. Moyle, Jr., Esquire  
Florida Bar No.: 727016  
Keefe, Anchors, Gordon & Moyle  
The Perkins House  
118 North Gadsden Street  
Tallahassee, Florida 32301  
Telephone: (850) 681-3828  
Facsimile: (850) 681-8788

  
Vicki Gordon Kaufman, Esquire  
Florida Bar No.: 286672  
Keefe, Anchors, Gordon & Moyle  
The Perkins House  
118 North Gadsden Street  
Tallahassee, Florida 32301  
Telephone: (850) 681-3828  
Facsimile: (850) 681-8788

cc: Parties of Record

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

850.681.3828  
850.681.8788 fax  
118 N. Gadsden Street  
Tallahassee, Florida 32301

Fort Walton Beach

| Destin

| DeFuniak Springs

| Tallahassee

**Dorothy Menasco**

**From:** Filings@psc.state.fl.us  
**Sent:** Thursday, January 08, 2009 4:44 PM  
**To:** 'ljaltman@verizon.net'  
**Cc:** Ruth Nettles; Kimberley Pena  
**Subject:** FW: Input into PSC deliberations on Docket #080503  
**Attachments:** Letter to PSC 10809.doc

FPSC, CLK - CORRESPONDENCE  
 \_\_\_Administrative\_\_\_ ☒ Parties \_\_\_Consumer\_\_\_  
 DOCUMENT NO. 06466-08  
 DISTRIBUTION: \_\_\_\_\_

Mr. Altman:

We are in receipt of your attached e-filing. Please note that, per the Commission's e-filing requirements, documents are to include an official signature. Your document will need to be revised and resubmitted to be considered an official filing.

Manner of Electronic Transmission:

- Documents shall be signed by typing "s/" followed by the signatory:

s/ First M. Last

- The acknowledgment indicates the document has been received, but does not confirm the document meets the requirements for electronic filing.

A link to the Commission's e-filing requirements is included for your convenience:

<http://www.psc.state.fl.us/dockets/e-filings/>

Please call our office if you have any questions.

*Dorothy Menasco*

*FPSC*

*Office of Commission Clerk*

*850-413-6770*

---

**From:** The Altmans [mailto:ljaltman@verizon.net]  
**Sent:** Thursday, January 08, 2009 4:26 PM  
**To:** Filings@psc.state.fl.us  
**Cc:** 'Lee Hayes Byron'; detert.nancy.web@flsenate.gov; keith.fitzgerald@myfloridahouse.gov; 'Shannon Staub'  
**Subject:** Input into PSC deliberations on Docket #080503

Dear Ms. Cole,

Please deliver the attached document to the PSC to be used in the January 9, 2008 Rule Making Session for Docket #080503

Sincerely,

Lawrence J. Altman, Ph.D.  
 8246 Shadow Pine Way  
 Sarasota, FL 34238  
 (941) 923-4347  
 ljaltman@verizon.net

1/8/2009

Katie Ely

080503

---

**From:** Sean Stafford [sean@advantageconsultingteam.com]  
**Sent:** Thursday, January 08, 2009 2:19 PM  
**To:** Mark Futrell  
**Cc:** Records Clerk; jeremy.susac@eog.myflorida.com  
**Attachments:** FCC FINAL mark up of Staff RPS Final Draft Attachment A 1-7-09.doc

Mark: please find Florida Crystals comments drawn to the staff proposal to be discussed at tomorrow's meeting. Thank you for your hard work on the issue.

Sean

Sean Stafford, Partner  
Advantage Consulting Team  
108 South Monroe, Suite 100  
Tallahassee, FL 32312  
Telephone: 850.727.5000  
Facsimile: 850.765.0896  
www.advantageconsultingteam.com

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06446-08		
DISTRIBUTION: _____		



*Governmental, Regulatory & Public Affairs Advocates*

1/8/2009



1 17.400 Florida Renewable Portfolio Standard

2 (1) Application and Scope.

3 This rule becomes effective on May 1, 2009. The purpose of this rule is to establish and update at  
4 least every five years numerical renewable portfolio standards for investor-owned electric  
5 utilities that will promote the development of renewable energy, protect the economic viability of  
6 existing renewable energy facilities, diversify the types of fuel used to generate electricity in  
7 Florida, lessen Florida's dependence on fossil fuels for the production of electricity, minimize  
8 the volatility of fuel costs, encourage investment in the state, improve environmental conditions,  
9 and minimize the costs of power supply to electric utilities and their customers.

10 (2) Definitions.

11 (a) "Florida renewable energy resources," means electrical, mechanical, or thermal energy  
12 produced from a method that uses one or more of the following fuels or energy sources:  
13 hydrogen, biomass, solar energy, geothermal energy, wind energy, ocean energy, waste heat, or  
14 hydroelectric power that is produced in Florida.

15 (b) "Renewable energy," means electrical energy produced from a method that uses one or more  
16 of the following fuels or energy sources: hydrogen produced from sources other than fossil fuels,  
17 biomass, solar energy, geothermal energy, wind energy, ocean energy, and hydroelectric power.  
18 The term includes the alternative energy source, waste heat, from sulfuric acid manufacturing  
19 operations.

20 (c) "Biomass," means a power source that is comprised of, but not limited to, combustible  
21 residues or gases from forest products manufacturing, waste, or co-products from agricultural  
22 and orchard crops, waste or co-products from livestock and poultry operations, waste or  
23 byproducts from food processing, urban wood waste, municipal solid waste, municipal liquid

1 waste treatment operations, and landfill gas.

2 (d) "Class I renewable energy source," means Florida renewable energy resources derived from  
3 wind or solar energy systems.

4 (e) "Class II renewable energy source," means renewable energy derived from Florida renewable  
5 energy resources other than wind or solar energy systems.

6 (f) "Renewable Energy Credit," means a financial instrument that represents the unbundled,  
7 separable, renewable attribute of renewable energy or equivalent solar thermal energy produced  
8 in Florida and is equivalent to one megawatt-hour of electricity generated by a source of  
9 renewable energy located in Florida.

10 (g) "Renewable Portfolio Standard," means the minimum percentage of total annual retail  
11 electricity sales by an investor-owned electric utility to consumers in Florida that shall be  
12 supplied by renewable energy produced in Florida.

13 (h) "Solar Energy System," means equipment that provides for the collection and use of incident  
14 solar energy for water heating, space heating or cooling, or other applications that would  
15 normally require a conventional source of energy such as petroleum products, natural gas, or  
16 electricity that performs primarily with solar energy. In other systems in which solar energy is  
17 used in a supplemental way, only those components that collect and transfer solar energy shall be  
18 included in this definition.

19 (i) "Solar Photovoltaic System," means a device that converts incident sunlight into electrical  
20 current.

21 (j) "Solar thermal system," means a device that traps heat from incident sunlight in order to heat  
22 water.

23 (k) "Equivalent Solar Thermal Energy," means the conversion of the thermal output, measured in

British Thermal Units, of a solar thermal system to equivalent units of one megawatt-hour of electricity otherwise consumed from or output to the electric utility grid.

(3) Renewable Portfolio Standard.

(a) Each investor-owned electric utility shall meet or exceed the following renewable portfolio standards through the production or purchase of renewable energy credits pursuant to Rule 17.410, F.A.C.:

~~1. by January 1, 2010 2017: 5 percent of the prior year's retail electricity sales;~~

~~2. by January 1, 2025: 10 percent of the prior year's retail electricity sales;~~

~~3. by January 1, 2033: 15 percent of the prior year's retail electricity sales; and~~

~~4. by January 1, 2041: 20 percent of the prior year's retail electricity sales.~~

1. by January 1, 2010: 4.5 percent of the prior year's retail electricity sales;

2. by January 1, 2011: 5 percent of the prior year's retail electricity sales;

3. by January 1, 2012: 6 percent of the prior year's retail electricity sales;

4. by January 1, 2013: 7 percent of the prior year's retail electricity sales;

5. by January 1, 2014: 8 percent of the prior year's retail electricity sales;

6. by January 1, 2015: 10 percent of the prior year's retail electricity sales;

7. by January 1, 2016: 12 percent of the prior year's retail electricity sales;

8. by January 1, 2017: 14 percent of the prior year's retail electricity sales;

9. by January 1, 2018: 16 percent of the prior year's retail electricity sales;

10. by January 1, 2019: 18 percent of the prior year's retail electricity sales; and

11. by January 1, 2020: 20 percent of the prior year's retail electricity sales.

(b) At a minimum, 25% of the renewable portfolio standards shall be provided from Class I

1 renewable energy sources. To the extent that Class I renewable energy sources are not available  
2 to supply the full 25% of the RPS then Class II sources shall be used to supply any shortfall.

3 (c) The Commission, on its own motion, shall initiate a proceeding at least once every five years  
4 to review and, if appropriate, modify the renewable portfolio standards. An investor-owned  
5 electric utility or a substantially interested person may petition the Commission, pursuant to  
6 Section 120.54(7), F.S., to request the initiation of a proceeding to modify the renewable  
7 portfolio standards. All modifications of the approved renewable portfolio standards and the  
8 associated implementation plans shall only be on a prospective basis and shall not affect  
9 previously approved contracts and commitments.

10 (d) In a proceeding to review the renewable portfolio standards, each investor-owned electric  
11 utility shall provide an analysis of the technical and economic potential for Florida renewable  
12 energy resources.

13 (4) Implementation Plans.

14 Within 180 days of the effective date of this rule, each investor-owned electric utility shall  
15 submit an implementation plan for Commission approval for meeting or exceeding the renewable  
16 portfolio standards required by subsections (3)(a) and (3)(b) which shall, at a minimum, contain  
17 the following:

18 (a) Current and ten-year forecast of installed capacity in kilowatts and energy production in  
19 kilowatt-hours for each Florida renewable energy resource;

20 (b) Levelized life-cycle cost in cents per kilowatt-hour for each existing, planned, and proposed  
21 Florida renewable energy resource;

22 (c) Current and ten-year forecast of the effects of the utility's compliance and implementation  
23 plan on the reduction of greenhouse gas emissions in Florida;

1 (d) Current and ten-year forecast of the effects of the utility's compliance and implementation  
2 plan on economic development in Florida; and

3 (e) Current and ten-year forecast of the estimated retail rate impact for each class of customers of  
4 the utility's compliance and implementation plan.

5 (5) Compliance.

6 (a) Each investor-owned electric utility shall comply with the renewable portfolio standards  
7 approved by the Commission through the production or purchase of renewable energy credits.  
8 Each investor-owned electric utility shall make a good faith effort to acquire sufficient renewable  
9 energy credits to comply with the renewable portfolio standards.

10 (b) Except as provided by paragraphs (5)(c) and (5)(d), any investor-owned electric utility which  
11 fails to meet or exceed its renewable portfolio standards shall be subject to a penalty equal to an  
12 amount up to 50 basis points of the utility's approved rate of return on equity assessed by  
13 reducing the amount of recoverable costs associated with the production or purchase of  
14 renewable energy credits pursuant to subsection (7); refunding such amount to the utility's retail  
15 customers.

16 (c) The Commission shall excuse an investor-owned electric utility from compliance with any  
17 renewable portfolio standards based upon a showing by a preponderance of the evidence that:

18 1. the supply of renewable energy credits is not adequate to satisfy the renewable  
19 portfolio standard; or

20 2. the cost of securing renewable energy credits is prohibitive such that the total costs of  
21 compliance with the renewable portfolio standards exceeds the cost caps contained in paragraph  
22 (5)(e).

23 (d) The cost of compliance with the renewable portfolio standards shall be defined as:

1. the incremental costs associated with the production or purchase of renewable energy credits,

2. which exceed the administrative costs to paid by the utility of electric energy or capacity, or both, which but for the production or purchase of renewable energy such utility would generate itself or purchase from another source, which are directly associated with the Renewable Energy Credit Market, and

3. the utility's cost of its self-build Florida renewable energy resource which exceed the costs to the utility of the generation source it would have otherwise built or the energy or capacity, or both, it would have purchased from another source.

(e) The cost of compliance shall be allocated separately for Class I and Class II renewable energy sources and shall be subject to the following cost caps.

1. For Class I renewable energy sources, the total cost of compliance shall be deemed prohibitive if such costs exceed ~~1.50~~ 2.50 percent of the investor-owned electric utility's total annual revenue from retail sales of electricity.

2. For Class II renewable energy sources, the total cost of compliance shall be deemed prohibitive if such costs exceed ~~0.50~~ 2.50 percent of the investor-owned electric utility's total annual revenue from retail sales of electricity.

(6) Utility Self-Build Option.

(a) Each investor-owned electric utility seeking to construct a Florida renewable energy resource shall select the resource likely to result in the least cost option for the general body of ratepayers.

(b) Within 180 days of the effective date of this rule and biennially thereafter, each investor-owned electric utility shall issue a request for proposals for Florida renewable energy resources and report the results in the investor-owned electric utility's Ten-Year Site Plan, filed pursuant to

1 Rule 25-22.071, F.A.C.

2 (7) Cost Recovery.

3 (a) In order to foster the development of Florida renewable energy resources, the Commission  
4 shall allow full cost recovery through a Renewable Energy Cost Recovery (RECR) clause of all  
5 reasonable and prudent costs incurred by the investor-owned electric utility for:

6 1. the cost of construction, operation, and maintenance of Florida renewable energy  
7 resources by the utility, including a separately determined return on equity on total capital costs.

8 Cost includes, but is not limited to, all capital investments including rate of return, any applicable  
9 taxes and all expenses, including operation and maintenance expenses, related to or resulting  
10 from the siting, licensing, design, construction, or operation of the Florida renewable energy  
11 resource. The capital investment for the facility and all fixed annual costs for the facility,  
12 including financing, operation, maintenance, and administrative costs, shall be established and  
13 fixed for the expected life of the facility at the time the utility makes a final commitment to self  
14 build a resource. Only adjustments based on applicable consumer pricing indices shall be  
15 allowed. Such cost information shall be communicated to the Commission and shall serve as the  
16 basis for cost recovery through the RECR.

17 2. the purchase of renewable energy credits, including administrative costs of the Florida  
18 Renewable Energy Credit Market.

19 (b) Notwithstanding Rules 25-17.0825(6), 25-17.0832(8), and 25-17.220, F.A.C., the reasonable  
20 and prudent costs associated with the purchases of capacity and energy from existing and new  
21 renewable generating facilities shall be recovered through the RECR clause and shall appear as a  
22 separate line item on customer's bills.

23 (c) The Commission shall conduct annual RECR clause proceedings during November of each

1 calendar year. Each investor-owned electric utility may seek to recover its costs associated with  
2 renewable energy credits, ~~the purchases of capacity and energy~~ from Florida renewable energy  
3 resources, ~~the purchase of as-available energy~~ from Florida renewable energy resources, or the  
4 construction, operation, and maintenance of Florida renewable energy resources owned by an  
5 investor-owned electric utility. The costs associated with renewable energy credits shall appear  
6 as a separate line item on customer's bills and shall be designated the Renewable Energy Charge.  
7 Each investor-owned electric utility seeking cost recovery shall file the following at the times  
8 directed by the Commission:

9 1. An annual final true-up filing showing the actual costs, renewable energy credit costs,  
10 purchased power costs, costs associated with Florida renewable energy resource owned by an  
11 investor-owned electric utility, and actual revenues from the sale of renewable energy credits for  
12 the most recent 12-month historical period from January 1 through December 31 that ends prior  
13 to the annual RECR proceedings. As part of this filing, the utility shall include a summary  
14 comparison of the actual total costs and revenues reported to the estimated total costs and  
15 revenues previously reported for the same period covered by the filing in subsection 2. The  
16 filing shall also include the final over- or under-recovery of total renewable energy costs for the  
17 final true-up period.

18 2. An annual estimated/actual true-up filing showing ~~eight~~ seven months actual and ~~four~~  
19 five months projected costs, renewable energy credit costs, purchased power costs, costs  
20 associated with Florida renewable energy resource owned by an investor-owned electric utility,  
21 and actual revenues from the sale of renewable energy credits collected. Actual costs and  
22 revenues should begin January 1 immediately following the period described in subparagraph 1.  
23 The filing shall also include the estimated/actual over- or under-recovery of total renewable



1 energy costs for the estimated/actual true-up period.

2 3. An annual projection filing showing 12 months projected costs, renewable energy  
3 credit costs, purchased power costs, costs associated with Florida renewable energy resource  
4 owned by an investor-owned electric utility, and actual revenues from the sale of renewable  
5 energy credits for the period beginning January 1 following the annual hearing.

6 4. An annual petition setting forth proposed renewable energy cost recovery factors to be  
7 effective for the 12-month period beginning January 1 following the hearing. Such proposed  
8 cost recovery factors shall take into account the data filed pursuant to subparagraphs 1., 2., and 3.

9 5. Within the 90 days that immediately follow the first six months of the reporting period  
10 in subsection 1., each utility shall report the actual results for that period to the Director, Division  
11 of Economic Regulation, Florida Public Service Commission.

12 (d) Each utility shall establish separate accounts or subaccounts for renewable energy credits,  
13 purchased power, Florida renewable energy resource owned by an investor-owned electric utility  
14 for purposes of recording the costs incurred. Each utility shall also establish separate  
15 subaccounts for any revenues derived from the sale of renewable energy credits.

16 (e) A complete list of all account and subaccount numbers used for renewable energy cost  
17 recovery shall accompany each filing in subsection 1.

18 (8) Reporting Requirements. Each investor-owned electric utility shall file with the Commission  
19 an annual report for the previous calendar year no later than April 1 in conjunction with the filing  
20 of its Ten-Year Site Plan. Each investor-owned electric utility's report shall include the  
21 following:

22 (a) Current and ten-year forecast of installed capacity in kilowatts and energy production in  
23 kilowatt-hours for each Florida renewable energy resource;

1 (b) Levelized life-cycle cost in cents per kilowatt-hour for each existing, planned, and proposed  
2 Florida renewable energy resource;  
3 (c) Current and ten-year forecast of the effects of the utility's compliance and implementation  
4 plan on the reduction of greenhouse gas emissions in Florida;  
5 (d) Current and ten-year forecast of the effects of the utility's compliance and implementation  
6 plan on economic development in Florida;  
7 (e) Current and ten-year forecast of the estimated retail rate impact for each class of customers of  
8 the utility's compliance and implementation plan;  
9 (f) the retail sales of the prior year in megawatt-hours;  
10 (g) the quantity of self-generated renewable energy in megawatt-hours separated by fuel type;  
11 (h) the quantity of renewable energy purchased in megawatt-hours, separated by type of  
12 ownership and fuel type;  
13 (i) the quantity and vintage of self-generated renewable energy credits;  
14 (j) the quantity and vintage of renewable energy credits purchased;  
15 (k) the fuel type and ownership of the Florida renewable energy resource associated with each  
16 renewable energy credit;  
17 (l) a statement as to whether it was, on an actual or projected basis, in compliance with the  
18 renewable portfolio standards; and  
19 (m) the utility's plan for additional generation or procurement to meet the renewable portfolio  
20 standards for the current calendar year and the following two years.

21 *Specific Authority 350.127(2), 366.05(1), FS. Law Implemented 366.02(2), 366.04(2)(c), (5), 366.041, 366.05(1),*  
22 *366.81, 366.82(1),(2), 366.91(2), 366.92 FS. History—New XX-XX-09.*

1 17.410 Florida Renewable Energy Credit Market.

2 (1) The renewable energy credit market shall allow for the transparent certification, buying,  
3 selling, trading, and retiring of renewable energy credits used to comply with the renewable  
4 portfolio standards of Rule 25-17.400, F.A.C. All records, including those associated with the  
5 certification of and the buying, selling, trading, or retiring of renewable energy credits shall be  
6 available to the Commission for audit purposes.

7 (2) This rule becomes effective on May 1, 2009. Within 30 days of the effective date of this rule,  
8 the investor-owned electric utilities shall issue a request for proposals for an independent third  
9 party administrator to establish and administer a Florida Renewable Energy Credit Market.  
10 Within ~~90~~ 60 days of the effective date of this rule, the investor-owned electric utilities shall  
11 select and submit for Commission approval a Florida Renewable Energy Credit Market  
12 administrator.

13 (3) Within ~~180~~ 60 days of Commission approval of the Florida Renewable Energy Credit  
14 Market administrator, the investor-owned electric utilities shall file for Commission approval the  
15 structure, governance, and procedures for administering the renewable energy credit market.  
16 The filing shall, at a minimum, provide for the following:

17 (a) a committee made up of representatives from the investor-owned electric utilities, the  
18 municipal electric utilities, the rural electric cooperative utilities, and Florida renewable energy  
19 resource providers, which will act as technical advisors to the administrator in the areas of  
20 governance, market rules and guidelines.

21 (b) the buying, selling, and trading of renewable energy credits which shall be accomplished  
22 through the use of an electronic platform for the execution of:

23 1. hourly and other short-term transactions; and

1 2. long-term bilateral contracts.

2 (c) the aggregation of renewable energy credits for customer-owned Florida renewable energy  
3 resources 2 megawatts or less that have not received incentives from a Commission-approved  
4 demand-side conservation program pursuant to the Florida Energy and Efficiency Conservation  
5 Act, Sections 366.80-.85 and 403.519, F.S.

6 (d) the certification and verification of renewable energy credits as defined in Rule 25-  
7 17.400(2)(f), F.A.C., including renewable energy credits resulting from Equivalent Solar  
8 Thermal Energy as defined in Rule 25-17.400(2)(k), F.A.C.;

9 (e) an accounting system to verify compliance with the renewable portfolio standard; and

10 (f) a method to record each transaction, and to indicate whether the renewable energy credit is  
11 associated with a Class I or Class II renewable energy source as defined in Rule 25-17.400(2)(d)  
12 and (e), F.A.C.

13 (4) The administrative costs associated with the Florida Renewable Energy Credit Market shall  
14 be collected through fees assessed to a renewable energy credit. Fees shall be fair, equitable, and  
15 cost-based.

16 (5) The following entities are eligible to produce renewable energy credits that may be counted  
17 toward the renewable portfolio standards:

18 (a) Florida renewable energy resources owned by an investor-owned electric utility;

19 (b) Florida renewable energy resources owned by a municipal electric utility or a rural electric  
20 cooperative utility;

21 (c) Non-utility Florida renewable energy resources greater than 2 MW delivering providing-as-  
22 available-energy electricity to a Florida electric utility. pursuant to a tariff;

23 (d) Non-utility Florida renewable energy resources providing net capacity and energy under a

purchase power agreement with a Florida electric utility;

(e) Non-utility Florida renewable energy resources greater than 2 megawatts providing on site generation to offset all or a part of the customer's electrical needs;

(f) Non-utility Florida renewable energy resources greater than 2 megawatts providing equivalent solar thermal energy to offset all or a part of the customer's electrical needs; and

(g) ~~Customer-owned~~ Non-utility Florida renewable energy resources, 2 megawatts or less, providing on-site generation to offset all or a part of the customer's electrical needs, that have not received incentives from a Commission-approved demand-side conservation program pursuant to the Florida Energy and Efficiency Conservation Act, Sections 366.80-.85 and 403.519, F.S.

(6) A renewable energy credit is retained by the owner of the eligible Florida renewable energy resource from which it was derived unless specifically sold or transferred.

(7) A ~~certified~~ renewable energy credit shall be valid for two ~~calendar~~ years after the ~~date~~ ~~calendar year~~ the corresponding megawatt-hour or equivalent solar thermal energy is ~~certified~~ ~~generated~~.

(8) A renewable energy credit shall be retired after it is used to comply with the Florida or any other state, or regional renewable portfolio standard.

(9) Renewable energy credits shall not be used for compliance with the Florida renewable portfolio standards if the renewable energy credit or its associated energy has already been counted toward compliance with any other state or regional renewable portfolio standard.

(10) Renewable energy credits shall not be used for compliance with the Florida renewable portfolio standards if the renewable energy credit results from a Commission-approved demand-side conservation program pursuant to the Florida Energy Efficiency and Conservation Act,

1 Sections 366.80-.85 and 403.519, F.S.

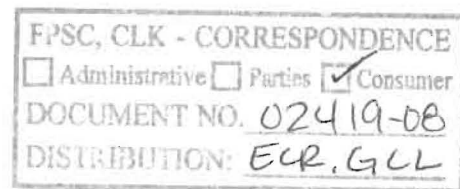
2 (11) Dispute Resolution. Parties may seek resolution of disputes arising out of the interpretation  
3 of this rule pursuant to Rule 25-22.032, F.A.C., Customer Complaints, or Rule 25-22.036,  
4 F.A.C., Initiation of Formal Proceedings.

5 Specific Authority 350.127(2), 366.05(1), FS. Law Implemented 366.02(2), 366.04(2)(f), (5),  
6 366.041, 366.05(1), 366.81, 366.82(1),(2), 366.91(2), 366.92 FS. History—New XX-XX-

**\*\*CLK OFFICIAL DOCUMENT...\*\*****Kimberley Pena** 080121

---

**From:** Ruth McHargue  
**Sent:** Thursday, January 08, 2009 9:47 AM  
**To:** Ruth Nettles  
**Cc:** Kimberley Pena; Cheryl Bulecza-Banks  
**Subject:** Aqua rate increase



Please add to docket file.

-----Original Message-----

**From:** contact@psc.state.fl.us [mailto:contact@psc.state.fl.us]  
**Sent:** Wednesday, January 07, 2009 7:47 PM  
**To:** Consumer Contact  
**Subject:** E-Form Other Complaint TRACKING NUMBER: 16975

Complaint filed with PSC

Select County: POLK  
CUSTOMER INFORMATION

Name: janet mclaurin  
Telephone: 407-396-0101  
Email: gonfishn9@juno.com  
Address: 8200 Shelley Trail Kissimmee 34747

BUSINESS INFORMATION

Business Account Name: Michael McLaurin  
Account Number: 000899521 0642258  
Address: 4 Rosalie Oaks Blvd. Lake Wales FL 33890

COMPLAINT INFORMATION

Complaint: Other Complaint against Aqua Utilities Florida, Inc.  
Details:

I was just filing my November water bill which I paid in the amount of \$73.29 for a 900 gallon usage, looking back over my bills the same amount of water/sewer with the prior utility owner (Crystal River) in November 2006 was \$28.02. Now my base water and base sewer (without any usage) each are greater than this bill of \$28.02. I know the docket 080121 is still open, please do not allow this to stand and make an increase of more than double since 2006. Many residents of our community are trying with no success to sell their properties due to this horrible situation. Please you can help us.....

PSC was contacted previously

**Kimberley Pena**

080503

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input type="checkbox"/> Parties	<input checked="" type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION:		

**From:** Kimberley Pena  
**Sent:** Thursday, January 08, 2009 4:36 PM  
**To:** Office of Commissioner Skop  
**Cc:** Ann Cole; Administrative Assistants - Commission Suite; Commissioners Advisors  
**Subject:** FW: DN 080503-EI  
**Attachments:** Letter to PSC.doc

Thank you. This information will be placed in Docket Correspondence - Consumers and their representatives, in Docket No. 080503-EI, today.

---

**From:** Cristina Slaton  
**Sent:** Thursday, January 08, 2009 4:18 PM  
**To:** Kimberley Pena  
**Cc:** Administrative Assistants - Commission Suite  
**Subject:** RE: DN 080503-EI

Kim,

For the record, I also received the same calls from Jesse Glickstein and Rev. Warren Clarke. Jesse also e-mailed the attached letter.

Thank you.

*Cristina Slaton*  
*Executive Assistant to Commissioner Skop*  
*Florida Public Service Commission*  
*(850) 413-6030 (office)*  
*(850) 413-6031 (fax)*  
*cristina.slaton@psc.state.fl.us*

---

**From:** Kimberley Pena  
**Sent:** Thursday, January 08, 2009 4:15 PM  
**To:** Office of Commissioner Carter  
**Cc:** Ann Cole; Administrative Assistants - Commission Suite; Commissioners Advisors  
**Subject:** RE: DN 080503-EI

Thank you. This information will be placed in Docket Correspondence - Consumers and their representatives, in Docket No. 080503-EI, today.

---

**From:** Lois Graham  
**Sent:** Thursday, January 08, 2009 4:13 PM  
**To:** Kimberley Pena  
**Subject:** RE: DN 080503-EI

Kim. I don't know the proper procedure, but I have had 3 additional calls regarding this matter. One from Jessie Glickstein, June Cussen and Rev. Warren Clarke. They are all against making nuclear energy and coal qualify as clean energy. Also opposed to changing the date from 2020 to 2041. Thanks - questions, please call.

---

**From:** Kimberley Pena

1/8/2009



**Sent:** Thursday, January 08, 2009 12:55 PM

**To:** Office of Commissioner McMurrian

**Cc:** Ann Cole; Administrative Assistants - Commission Suite; Commissioners Advisors; Mark Futrell; Cindy Miller; Karen Webb

**Subject:** RE: DN 080503-EI

Thank you. This information will be placed in Docket Correspondence - Consumers and their representatives, in Docket No. 080503-EI, today.

---

**From:** Carol Purvis **On Behalf Of** Ann Cole

**Sent:** Thursday, January 08, 2009 12:14 PM

**To:** Kimberley Pena

**Cc:** Ann Cole

**Subject:** FW: DN 080503-EI

Please handle

---

**From:** Kay Posey

**Sent:** Thursday, January 08, 2009 11:26 AM

**To:** Ann Cole

**Cc:** Katrina McMurrian; Lorena Holley

**Subject:** DN 080503-EI

Commissioner McMurrian's office received a phone call this morning from Ms. Bonnie Nickel of Venice, FL. Ms. Nickel was calling to give the Commissioner her comments opposing the RPS Special Agenda tomorrow. She specifically is opposed to making nuclear energy and coal qualify as clean energy. She said this would profit FPL and not the environment. She and other citizens are interested in protecting the environment and this will undermine their intent.

I told Ms. Nickel I would pass her comments on to the Commissioner and I would also send them to the Clerk's Office to be filed in the docket file. She expressed her thanks.

Kay Posey

Executive Assistant to

Commissioner Katrina J. McMurrian

Florida Public Service Commission

2540 Shumard Oak Blvd.

Tallahassee, FL 32399

850-413-6024; 850-413-6025 - fax



Faiths United for Sustainable Energy

[www.fusenow.org](http://www.fusenow.org)

January 8, 2009

To PSC Commissioners:

I am writing you on behalf of Faiths United for Sustainable Energy (FUSE), a non-profit organization based in Miami, Florida. Our mission is to educate, mobilize and unite communities of faith to act on the increasingly harmful effects of our society's dependence on fossil fuels. We believe that energy consumption is at the core of the most pressing issues that confront people and governments all over the world: global security, human rights, the environment, health, and the economy.

Your leadership is needed to secure a renewable and independent energy future for Florida and our great nation. On behalf of faith communities across Florida, I am asking you to support a Renewable Portfolio Standard that requires utilities in Florida to produce 20% clean renewable energy in our state by 2020, and gives renewable developers financial certainty through long-term and negotiated contracts. **I urge you NOT to support a Clean Energy Portfolio Standard (CEPS), which will include nuclear energy and "clean coal" as part of its criteria.** Only truly renewable resources, such as solar, wind power, ocean energy, and biomass should qualify for the state renewable portfolio standard. It is important to understand that THERE IS NO SUCH THING AS CLEAN COAL. This is a technology that does not exist, not to mention the overall environmental risks of using coal, evidenced most recently by the TVA coal disaster in Tennessee. Further, there are already too many incentives for nuclear power, which is not a renewable form of energy. In addition, nuclear power is expensive and unsafe and nuclear power plants take too long to be built and come on line. Nuclear power will take valuable resources away from the development of truly renewable resources, and fail to deliver the jobs and market incentives that the Legislature and Florida Governor intended when they mandated a Renewable Portfolio standard.

Please understand that your decision will have an enormous impact on the future of our great state. I urge you to make a moral and just decision on this matter. Please vote for a strong Renewable Portfolio Standard, and not for a distorted CEPS. Thank you and please do not hesitate to contact me with any questions comments or concerns.

Respectfully,

Jesse Glickstein  
Executive Director

Faiths United for Sustainable Energy

701 SW 27<sup>th</sup> Ave  
Suite 1204  
Miami, FL 33135

Tel – 866-549-4770  
Fax – 305-830-9405  
[fuse@fusenow.org](mailto:fuse@fusenow.org)  
[www.fusenow.org](http://www.fusenow.org)

Faiths United for Sustainable Energy

701 SW 27<sup>th</sup> Ave  
Suite 1204  
Miami, FL 33135

Tel – 866-549-4770  
Fax – 305-830-9405  
[fuse@fusenow.org](mailto:fuse@fusenow.org)  
[www.fusenow.org](http://www.fusenow.org)

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena** 080503

---

**From:** Kimberley Pena  
**Sent:** Tuesday, December 30, 2008 9:40 AM  
**To:** Karen Webb  
**Cc:** Mark Futrell  
**Subject:** FW: Decoupling Report Available

**Attachments:** Sean Stafford.vcf

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		



Sean  
afford.vcf (433)

Per this e-mail, Advantage Consulting Team has been added to the mailing list in 080503. I have searched CMS for other dockets and this company is not in the mailing list of any of the remainder opened dockets.

-----Original Message-----

**From:** Karen Webb  
**Sent:** Tuesday, December 30, 2008 8:52 AM  
**To:** Kimberley Pena  
**Cc:** Mark Futrell  
**Subject:** FW: Decoupling Report Available

Hi Kim,

Would you please changed Sean Stafford's contact information in your list? I believe he is at least on the list for #080503, but maybe more.

Thank you,

Karen

-----Original Message-----

**From:** sean@advantageconsultingteam.com [mailto:sean@advantageconsultingteam.com]  
**Sent:** Tuesday, December 30, 2008 7:58 AM  
**To:** Karen Webb; Mark Futrell  
**Subject:** Fw: Decoupling Report Available

Hi Karen and Mark, can you please change my contact information. Thanks.  
Sean Stafford

-----Original Message-----

**From:** Karen Webb  
**To:** Karen Webb  
**Sent:** Dec 30, 2008 7:35 AM  
**Subject:** Decoupling Report Available

The FPSC report to the Governor and the Legislature on utility revenue decoupling may be found at the

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

following link: [http://www.floridapsc.com/publications/pdf/electricgas/DecouplingReport\\_To\\_Legislature.pdf](http://www.floridapsc.com/publications/pdf/electricgas/DecouplingReport_To_Legislature.pdf)  
<[http://www.floridapsc.com/publications/pdf/electricgas/DecouplingReport\\_To\\_Legislature.pdf](http://www.floridapsc.com/publications/pdf/electricgas/DecouplingReport_To_Legislature.pdf)> .

Karen W. Webb

Economic Analyst

Office of Strategic Projects & Resource Planning Florida Public Service Commission Voice (850) 413-6992

Fax (850) 413-6993 <http://www.psc.state.fl.us/> <<http://www.psc.state.fl.us/>>

DISCLAIMER: Please note that Florida has a very broad public records law. Most written communications to or from state officials regarding state business are considered to be public records and will be made available to the public and the media upon request. Therefore, your e-mail message may be subject to public disclosure. If you received this e-mail in error, please notify the sender by reply e-mail and then delete this e-mail immediately.

Sent on the Now Network from my Sprint® BlackBerry

Sean Stafford - Contact

File Edit View Insert Format Tools Actions Help

Save and Close

General Details Activities Certificates All Fields

Full Name... Sean Stafford

Job title: Partner, Governmental consultant

Company: Advantage Consulting Team

File as: Stafford, Sean

Phone numbers

Business... 8507275000

Home...

Business Fax...

Mobile... 8502514253

Addresses

Business... 108 South Monroe Street  
Tallahassee, FL 32301

☒ This is the mailing address

E-mail... sean@advantageconsultingteam.com

Display as: sean@advantageconsultingteam.com

Web page address:

IM address:

Contacts... Categories... Private ☐

Start

Sent Items - Mic... 3 Reminders FW: Decoupling ... Sean Stafford - ... Windows Media ... 2001-2003.doc ... Case Manageme...

9:40 AM Tuesday

FPSC, CLK - CORRESPONDENCE

Administrative ☒ Parties ☐ Consumer

Kimberley Pena 080503

DOCUMENT NO. 06466-08

DISTRIBUTION: \_\_\_\_\_

**From:** Kimberley Pena  
**Sent:** Monday, December 15, 2008 1:26 PM  
**To:** Office of Commissioner McMurrian; Administrative Assistants - Commission Suite; Commissioners Advisors  
**Cc:** Ann Cole  
**Subject:** FW: powerpoint FARE  
**Attachments:** Burges - Florida Renewable Energy Freedom Dec 12.pdf

Thank you. This information will be placed in Docket Correspondence - Parties an Interested Persons, in Docket 080503-EI, today

---

**From:** Carol Purvis **On Behalf Of** Ann Cole  
**Sent:** Monday, December 15, 2008 11:52 AM  
**To:** Kimberley Pena  
**Cc:** Ann Cole  
**Subject:** FW: powerpoint FARE

Please handle

---

**From:** Office of Commissioner McMurrian  
**Sent:** Monday, December 15, 2008 10:36 AM  
**To:** Ann Cole  
**Cc:** Administrative Assistants - Commission Suite; Commissioners Advisors  
**Subject:** FW: powerpoint FARE

Ann,

Please place this e-mail and attachment in the file for DN 080503-EI. Thank you.

Kay

---

**From:** Roy Ratner [mailto:rr@atlas-solar.com]  
**Sent:** Monday, December 15, 2008 6:53 AM  
**To:** 'mike'; roger@vergonabowersox.com; rsmith@bowersolarcontracting.com; rwilson577@aol.com; yannb@agt.com; robk@advancedroofing.com; 'Reed Smith'; 'Ron Phillips'; 'Randy Bowers'; 'Tom Harriman'; 'Ted Middleton'; 'Thomas J. Sutton'; 'DeNapoli,Peter'; 'Peggy Talerico'; AK@ATLAS-SOLAR.COM; AR@ATLAS-SOLAR.COM; Abbey Strauss []; 'Alex Rivera'; atwater.jeffrey.web@flsenate.gov; 'Groover, April'; 'Steve Gorman'; solarfitbillg@cfl.rr.com; 'Steve Gorman'; 'Service'; 'Stowe, Bud'; sales@getsolar.com; speaker@myfloridahouse.gov; 'Shannon Watson'; dcnmo2@yahoo.com; dale.brill@eog.myflorida.com; 'David Stein'; 'Schesser, Derek G'; 'Frodo Haug'; 'Green Council'; gofitzgo2008@yahoo.com; gobohead@bellsouth.net; gratner@hotmail.com; gwen@votesolar.org; 'George Cavros'; 'Stowe, Bud'; 'Harald Kegelmann'; 'Stowe, Bud'; 'John Kuchler Sr.'; jkoenig4@bellsouth.net; JDORSCHNER@MIAMIHERALD.COM; jjordan@conservationresourcegroup.com; johnjr@allatlasroofing.com; 'Kim Pacchioli'; 'Kenny Gibson'; 'Lois Barber'; 'Larry Lipsitz'; zinasunshine@yahoo.com; Charlie.Crist@MyFlorida.com; carl@diokoenergy.com; CRIDERJW@GRU.COM; Office Of Commissioner Edgar; Office of the Chairman; Office of Commissioner McMurrian; Office of Commissioner Skop; Charlie.Crist@MyFlorida.com; Office of Commissioner Argenziano; ClimateChangeSummit@volunteerflorida.org; 'vicki eckels'; 'Vince Simone'; vera.greenwood@myflorida.com; boyce@greentechmedia.com; 'Bianca Barth'; brian.williams@myflorida.com; baker.carey.web@flsenate.gov; Nicpic1963@aol.com; 'Nathan Singsen'; 'Michael Lockwood'; MCOON@POWERFILMSOLAR.COM; Mark Futrell; marylouiseb@hotmail.com; 'Muniz, Laura (Martinez)'; maryhelen.blakeslee@myflorida.com; Mathew@dcpower-systems.com

12/15/2008

**Subject:** FW: powerpoint FARE

Latest PowerPoint from the Florida Alliance for Renewable Energy.

Thank You,

Roy Ratner



**ATLAS SOLAR INNOVATIONS**  
**2640 N.W. 15TH. CT.**  
**POMPANO BEACH, FL. 33069**  
**[www.atlas-solar.com](http://www.atlas-solar.com)**

**P. 1-877-299-SOLAR**  
**P. 1-954-917-4360**  
**F. 1-954-917-8038**  
**C. 1-954-822-1164**  
**EMAIL: [rr@atlas-solar.com](mailto:rr@atlas-solar.com)**



**[WWW.FAREENERGY.ORG](http://WWW.FAREENERGY.ORG)**

---

**From:** jburgess@thinkenergyllc.com [mailto:jburgess@thinkenergyllc.com]  
**Sent:** Saturday, December 13, 2008 9:58 PM  
**To:** 'Roy Ratner'  
**Cc:** 'Mike Antheil'  
**Subject:** RE: powerpoint

As requested

**John Burges**  
+ 1 917 743 9416 (US)  
+ 1 941 309 5253 (US Office)

---

**From:** Roy Ratner [mailto:rr@atlas-solar.com]  
**Sent:** 12 December, 2008 6:21 PM  
**To:** jburgess@thinkenergyllc.com  
**Subject:**

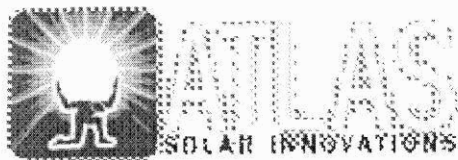
John,  
Please send me and Mike A. new power point

Thank You,

Roy Ratner

12/15/2008





**ATLAS SOLAR INNOVATIONS**  
**2640 N.W. 15TH. CT.**  
**POMPANO BEACH, FL. 33069**  
**[www.atlas-solar.com](http://www.atlas-solar.com)**

**P. 1-877-299-SOLAR**  
**P. 1-954-917-4360**  
**F. 1 -954-917-8038**  
**C. 1-954-822-1164**  
**EMAIL: [rr@atlas-solar.com](mailto:rr@atlas-solar.com)**



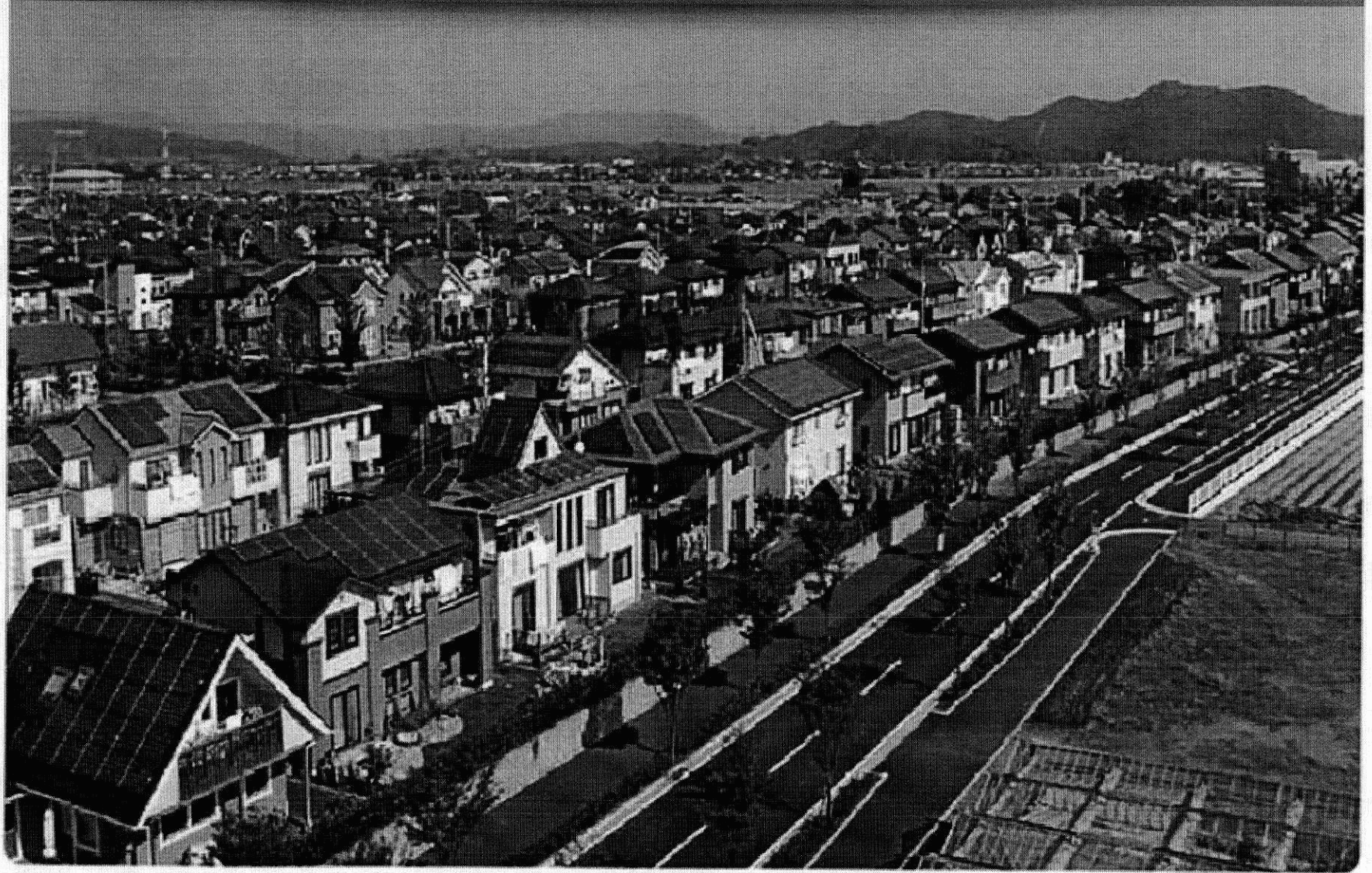
**WWW.FAREENERGY.ORG**

## A collage of black and white photographs illustrating various renewable energy technologies. The images include solar panels, wind turbines, hydroelectric dams, geothermal vents, and close-ups of solar cell structures.





# LET SUNSHINE POWER THE SUNSHINE STATE

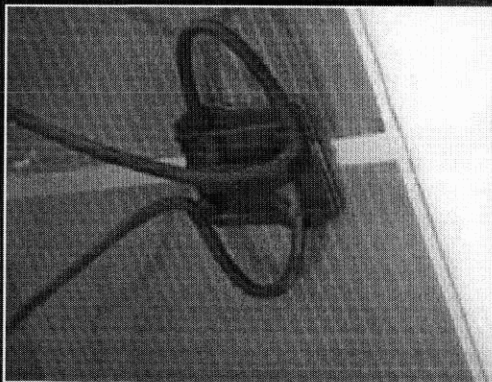


# Solar Factory





# Large Roof PV System



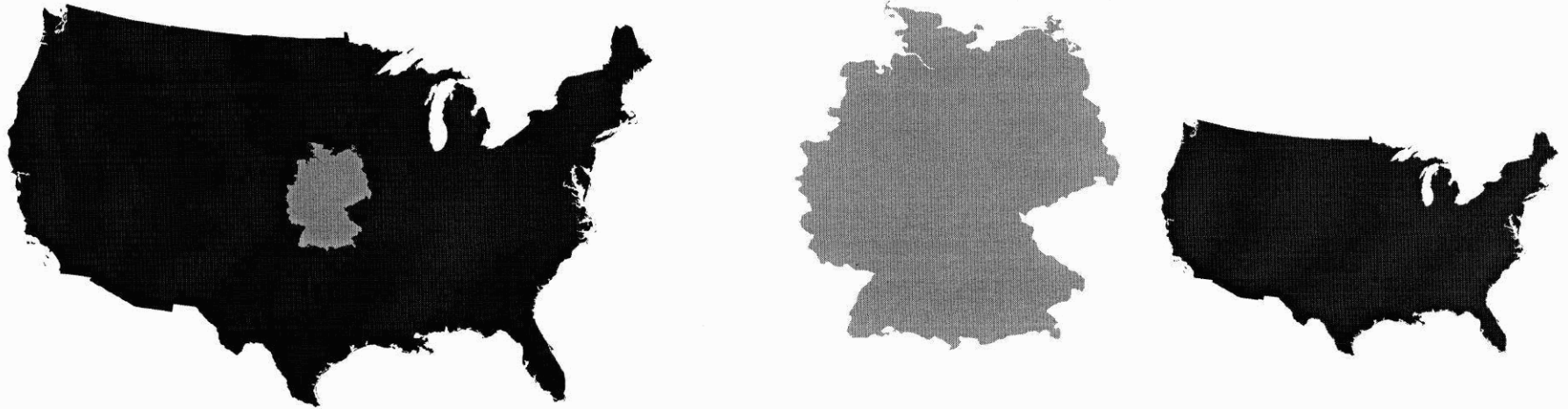
# Jobs and Opportunity





# Renewables - US Is Left in the Dust...

---



Landmass vs. Wind energy (MW) in Germany and  
Continental United States (2007)

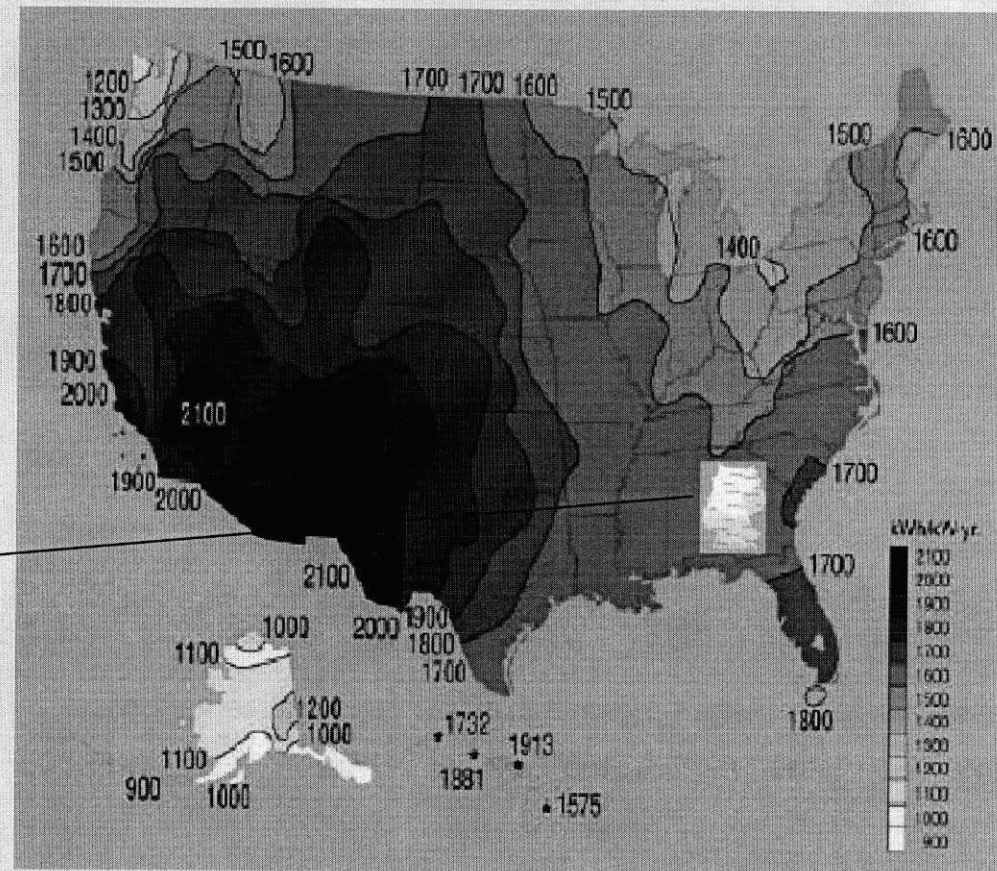
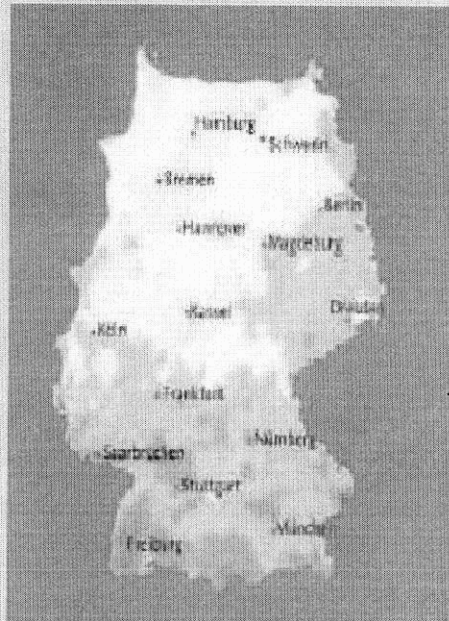
<u>Area</u>		<u>Installed Capacity</u>	
Germany:	357,030 km <sup>2</sup>	Germany*:	22,247 MW
US*:	8,154,157 km <sup>2</sup>	US:	16,818 MW

\*23 times larger, without Alaska

\*1.3 times larger

# Germany Comparable to Alaska...

Relative solar  
intensity kwhr/ m<sup>2</sup>



***Florida Sunshine Resource 2X Today's Largest Market - Germany***



# Florida's Energy Issues

---

- ◆ Florida requires 0.5-1GW annually of new capacity (1-2 fossil)
- ◆ Over-reliant on fossil fuels; imported Gas > 50% power
  - \$50+ oil - (IEA - \$200 by 2030 ) FL's long term electricity costs?
  - Utility rate increases of 25%
- ◆ Coal not an option
- ◆ Nuclear ? 10 yrs w/out opposition at \$10-41 p/m
- ◆ Renewables - Speed
  - Currently < 2% of power generation mix
  - Limited hydro, more wind, some biomass
  - Solar – the Sunshine State

# Renewables – Why Bother?

---

## ◆ Energy Security

- Reduce dependency – save \$700BN on imports; Pickens Plan
- Conventional energy costs trebled; more to come
- Russia/Georgia, Gazprom, Chavez, Iran

## ◆ Wealth Creation - Jobs

- Higher local ownership; beneficial impact on local economy
- Germany employs 250,000 – forecasting 500,000; “Export Machine”
- Germany – 2006 - Net benefit \$9BN per annum

## ◆ Environmental Benefits

- Hydro, wind, solar minimal CO2
- Fuel is free & reliable

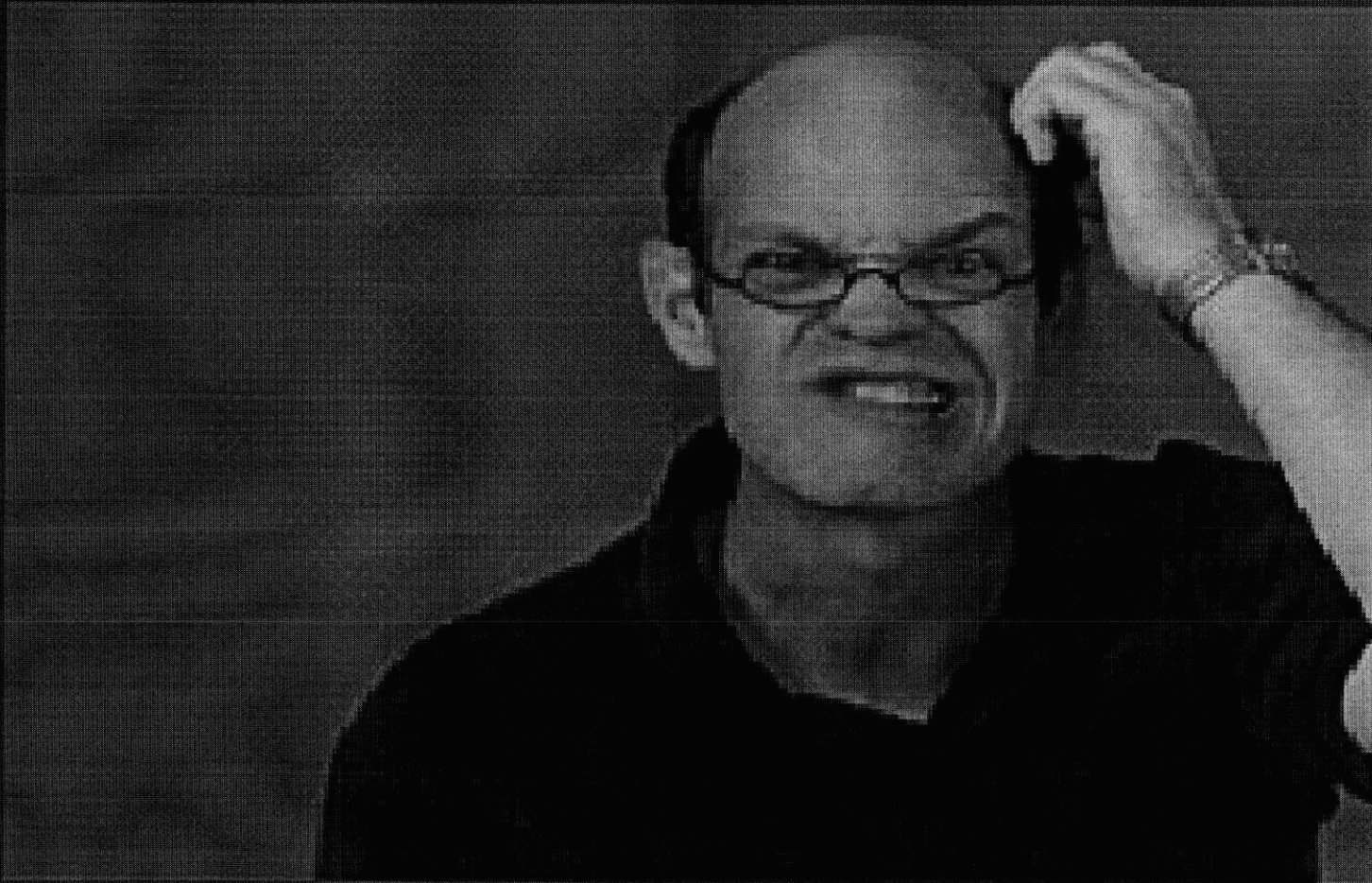


## **Business Perspective – The Opportunity**

- ◆ VC investment in clean energy - \$117 BN + 35% 2007 (NEF)
- ◆ Solar is a \$ 30 billion industry – \$120BN sales by 2011 - 50% CAGR
  - ~\$100BN stock market valuation for solar
- ◆ US solar producers largely for export; overseas cannot get enough
- ◆ US / Florida solar initiatives deeply flawed; deterring investment
- ◆ RPS unattainable under BAS (Ask CA Energy Commission)
- ◆ Florida is missing massive solar investment opportunity:
  - \$5BN sales - export industry
  - Employing 25-50,000 people; Construction/Manufacturing, High tech R&D

**Florida has < 2MW of solar. Germany will install ~1.5 Gigawatts/2008 \$8BN – 75% CAGR**

# **What are Feed in Tariffs / REPs?**





# Renewable Energy Payments

---

- ◆ Simple, transparent – available to all
- ◆ Priority access to the grid for all renewable producers
- ◆ Long term standard offer contracts; fixed price guaranteed
  - 20 years
- ◆ Cost + reasonable profit (tba by PSC)
  - Price Differentiation by size, technology
- ◆ Price degression
  - Germany 9-10% fall
  - Spain 30%



# Renewables - Issues ► Solution

---

- ◆ Utilities finance fossil fuel under 20 yr rate base
  - Guaranteed – cost pass through
- ◆ Renewables require same treatment; private sector will finance
- ◆ **Solution:**
  - A Florida Renewable Energy Freedom Act
  - Covers all renewables; solar likely to be most productive
  - RE priority access to grid, 20 yr contracts, differentiated pricing,
  - **We need every school, church, farmer, household and real estate developer to become entrepreneurs & sell back power & so drive us to a more secure clean electricity future**
- ◆ FACT – happening now throughout Europe; growing in US
- ◆ Florida Legislature should prioritize immediately



# REP Policies

- ◆ Deliver More Capacity--
  - --More Quickly
  - --More Equitably
- ◆ By Enabling Participation
  - --Everyone
- ◆ 18 EU Countries use Electricity Feed Laws
  - 46 Countries world wide
  - 2008 additions: UK, Switzerland, Ukraine, India
  - US – Hawaii, OR, CA, IL, MI, MN, RI, LADWP, City of Gainesville



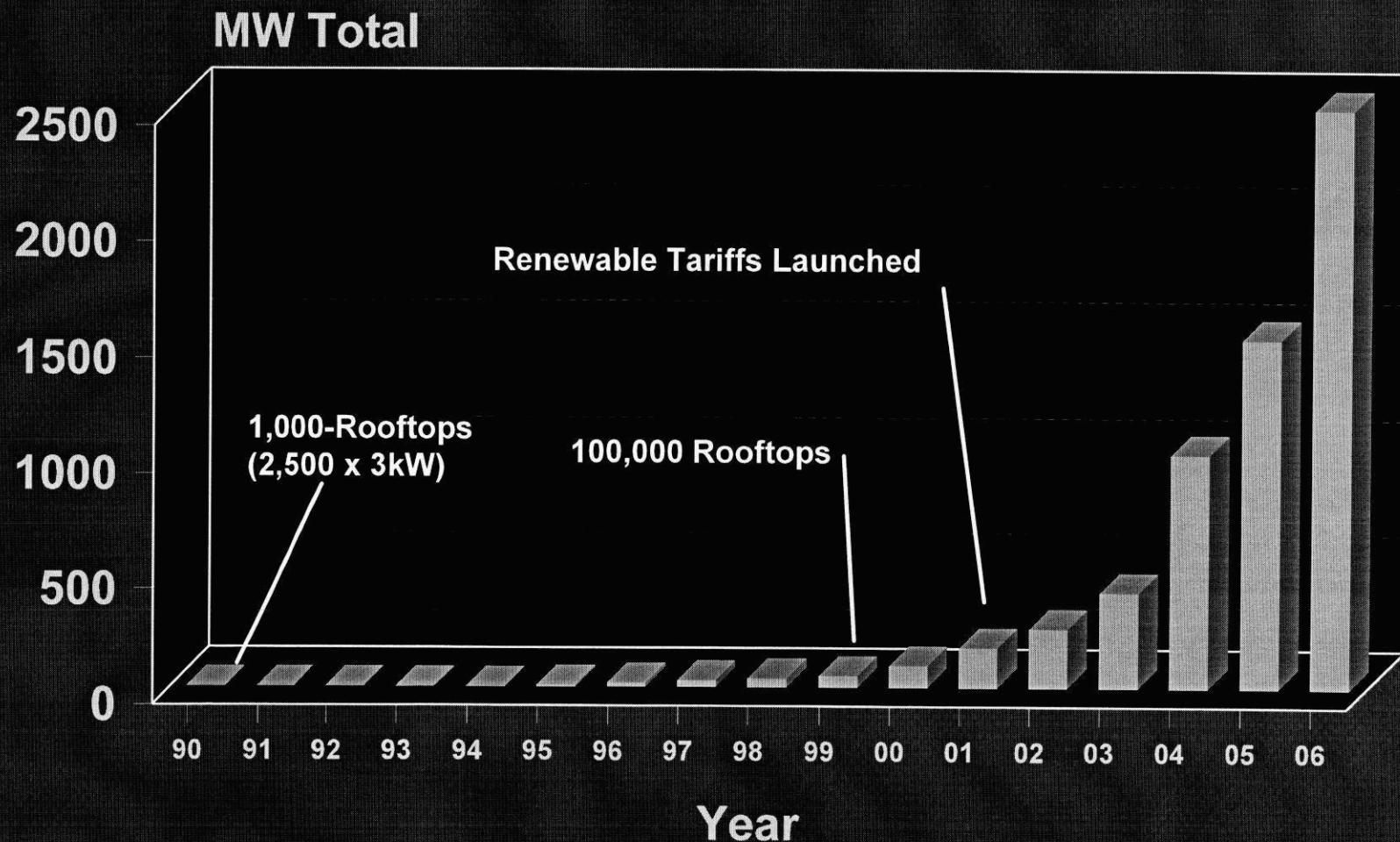


## 2008 IEPR Recommendations for Feed-in Tariffs

1. The CPUC should immediately implement a feed-in tariff program for all RPS-eligible generating facilities up to 20 MW in size. Such a program should include must-take provisions as well as cost-based technology-specific prices that generally decline over time and are not linked to the CPUC's market price referent.
2. The Energy Commission and CPUC should continue to evaluate feed-in tariffs for renewable projects larger than 20 MW using the information in the Energy Commission's report on feed-in tariffs expected to be completed in early 2009.



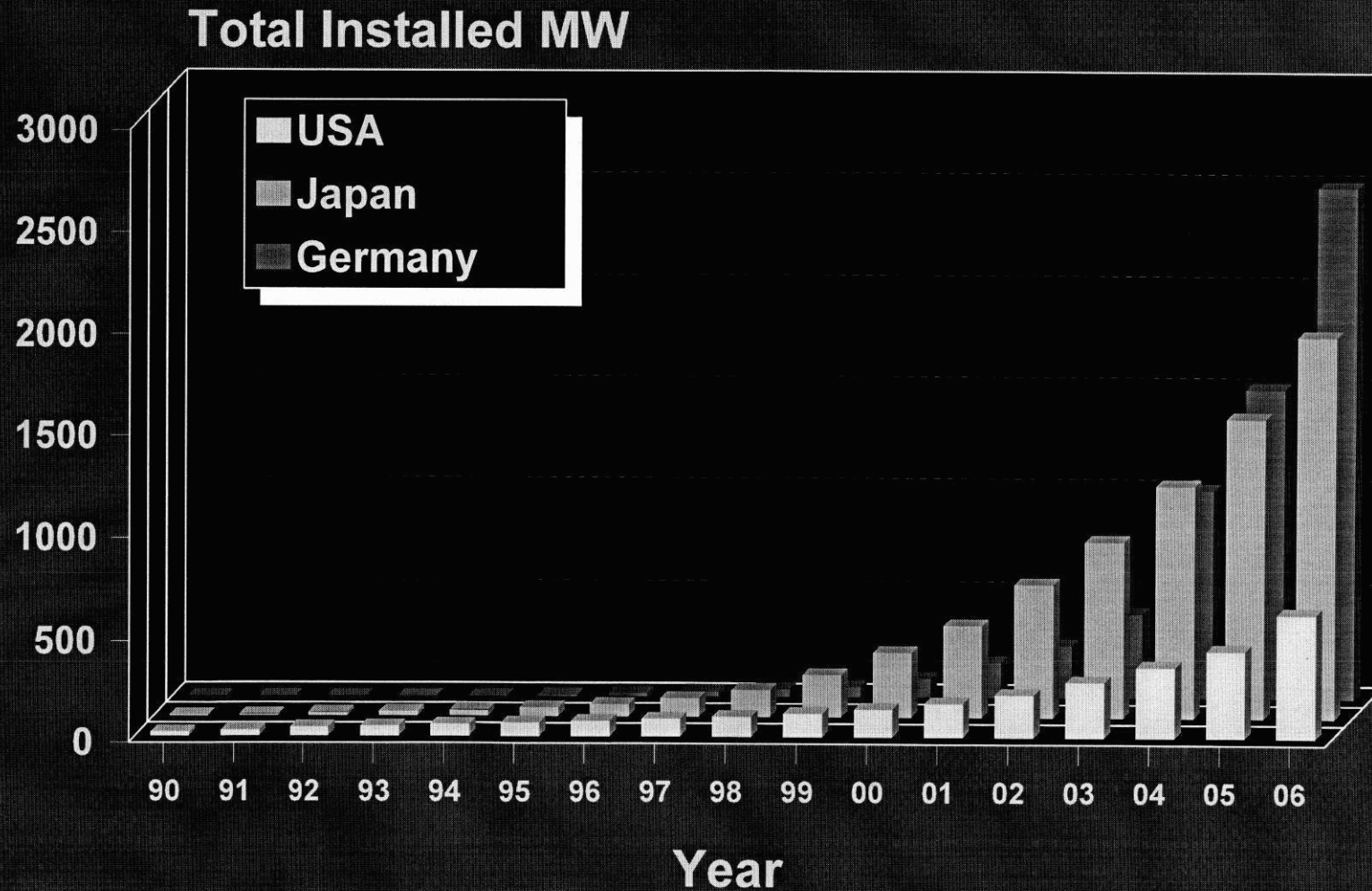
# Feed In Policies & Solar Photovoltaics in Germany



Paul Gipe, [wind-works.org](http://wind-works.org)

Strictly Confidential, For Information Purposes Only

# Solar Photovoltaic Development



Paul Gipe, [wind-works.org](http://wind-works.org)

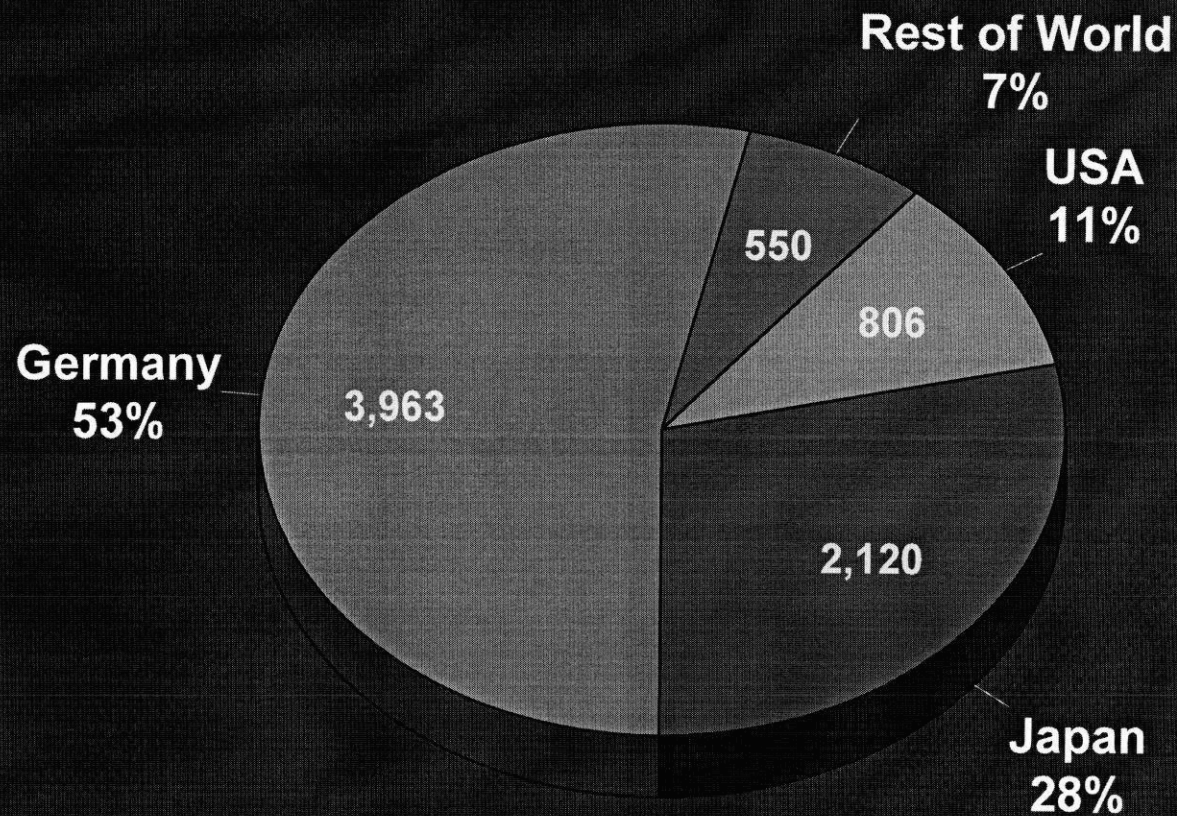
Strictly Confidential, For Information Purposes Only



# World PV Capacity 2007

## ~8,000 MW

---

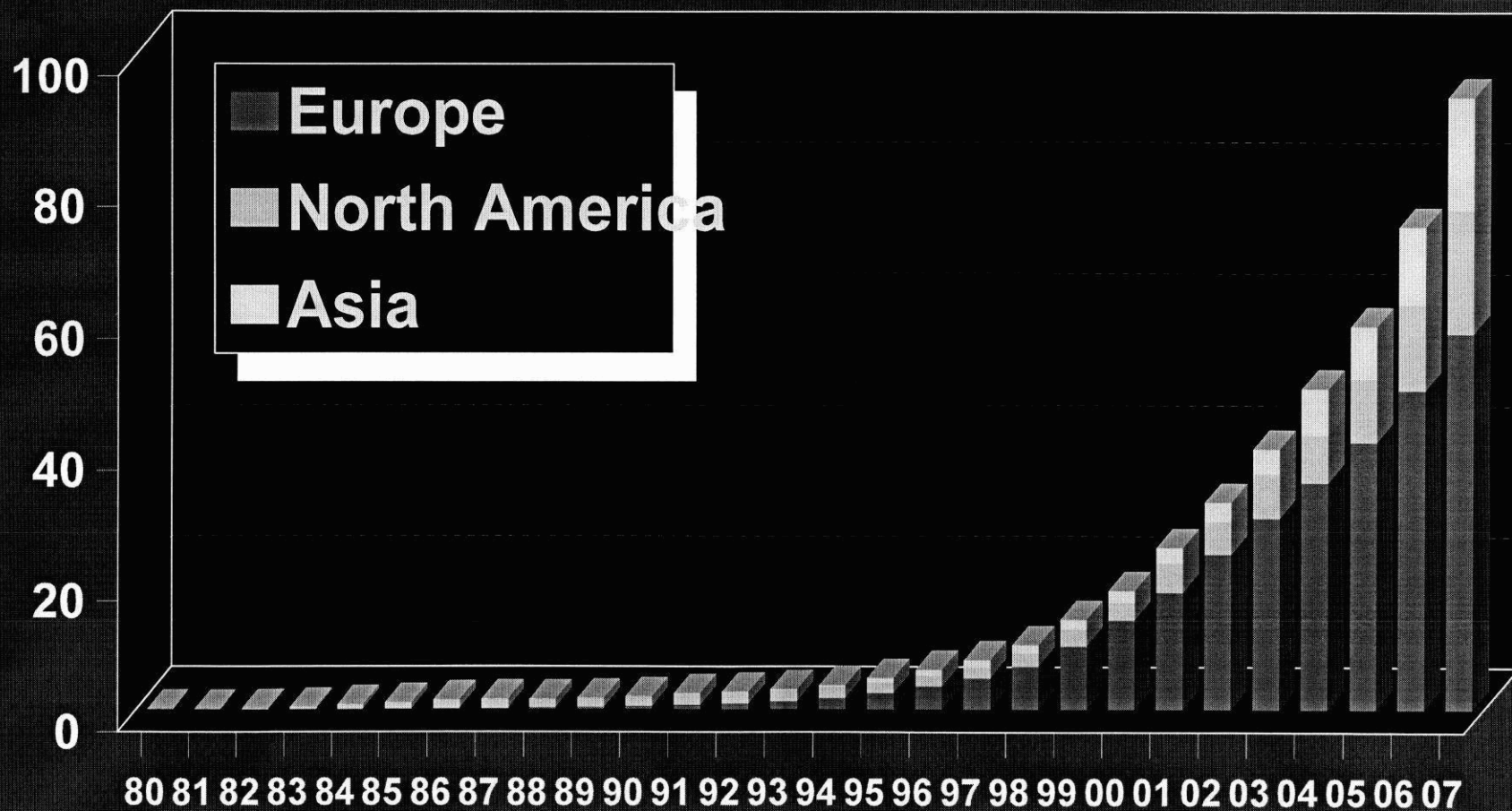


Paul Gipe, [wind-works.org](http://wind-works.org)

Strictly Confidential, For Information Purposes Only

# World Wind Generating Capacity

Megawatts (Thousands)



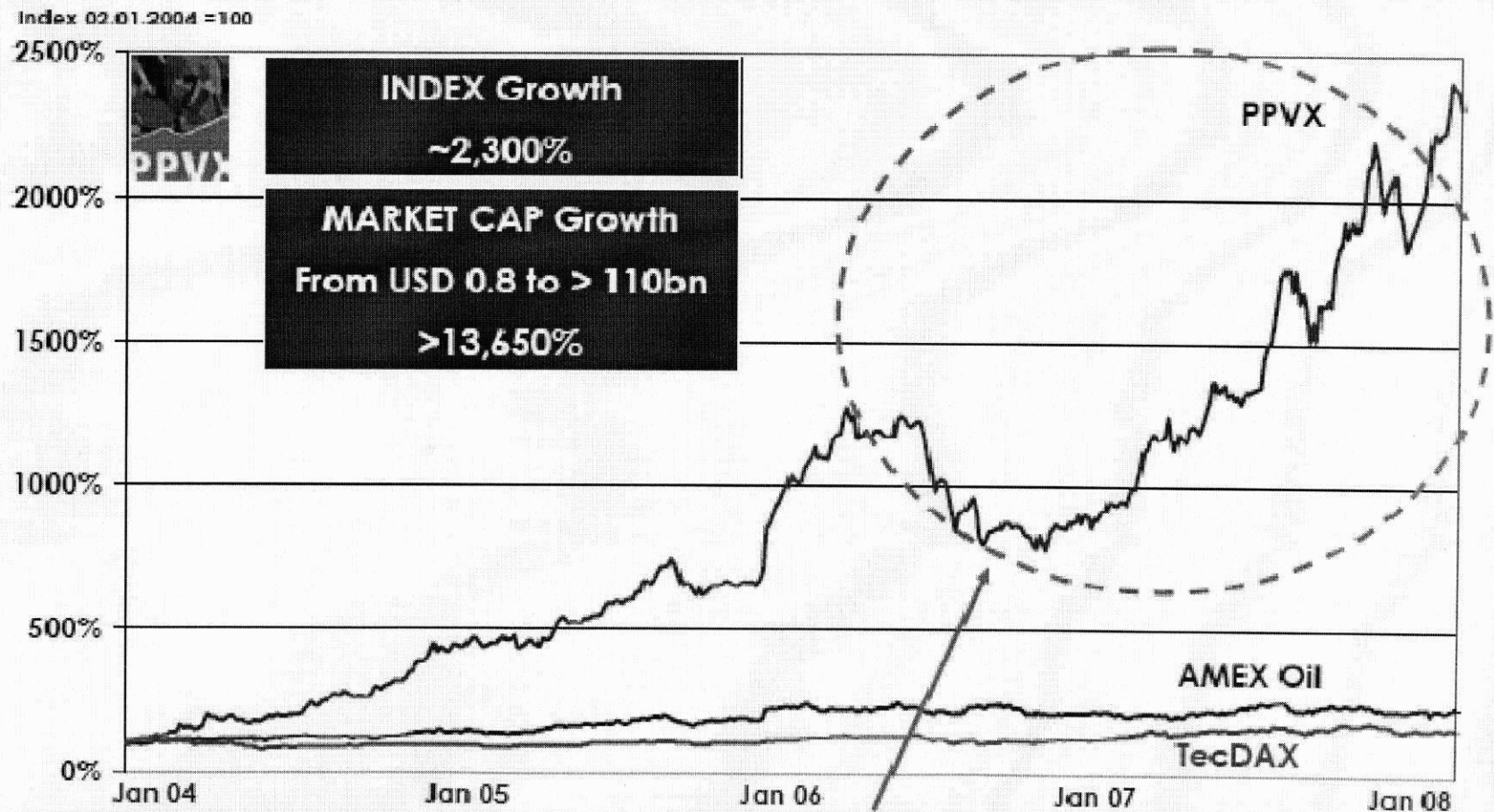
Paul Gipe, wind-works.org

Year

Strictly Confidential, For Information Purposes Only



# Solar – “Danke” Germany & Feed In Policies

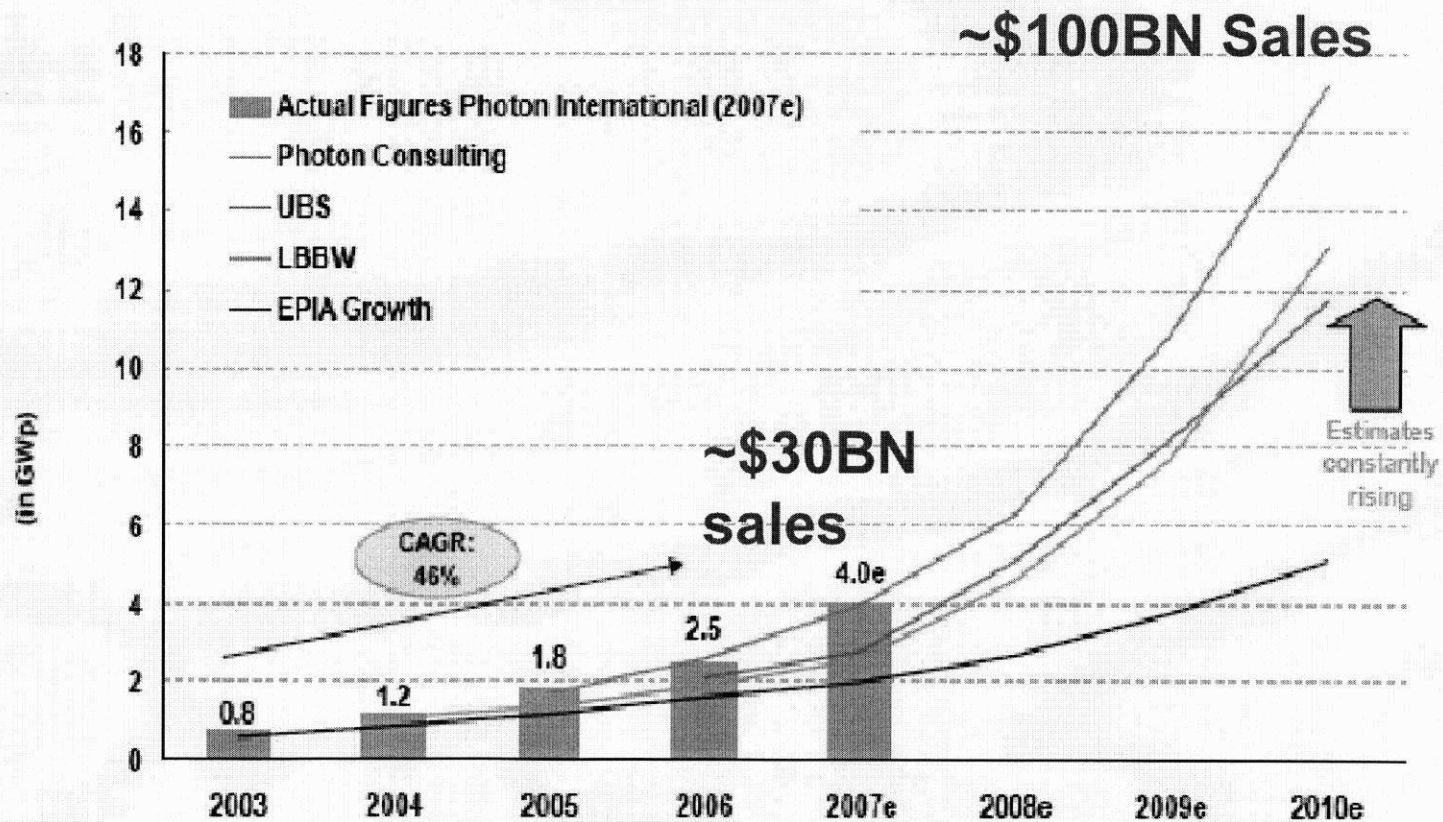


...high volatility/risk as markets not mature yet

Source: ÖkoInvest & Solar Verlag 5 Jan 2008, PPVX comprises of 30 PV companies (sales in PV > 50%)

**Photon**  
EXPO

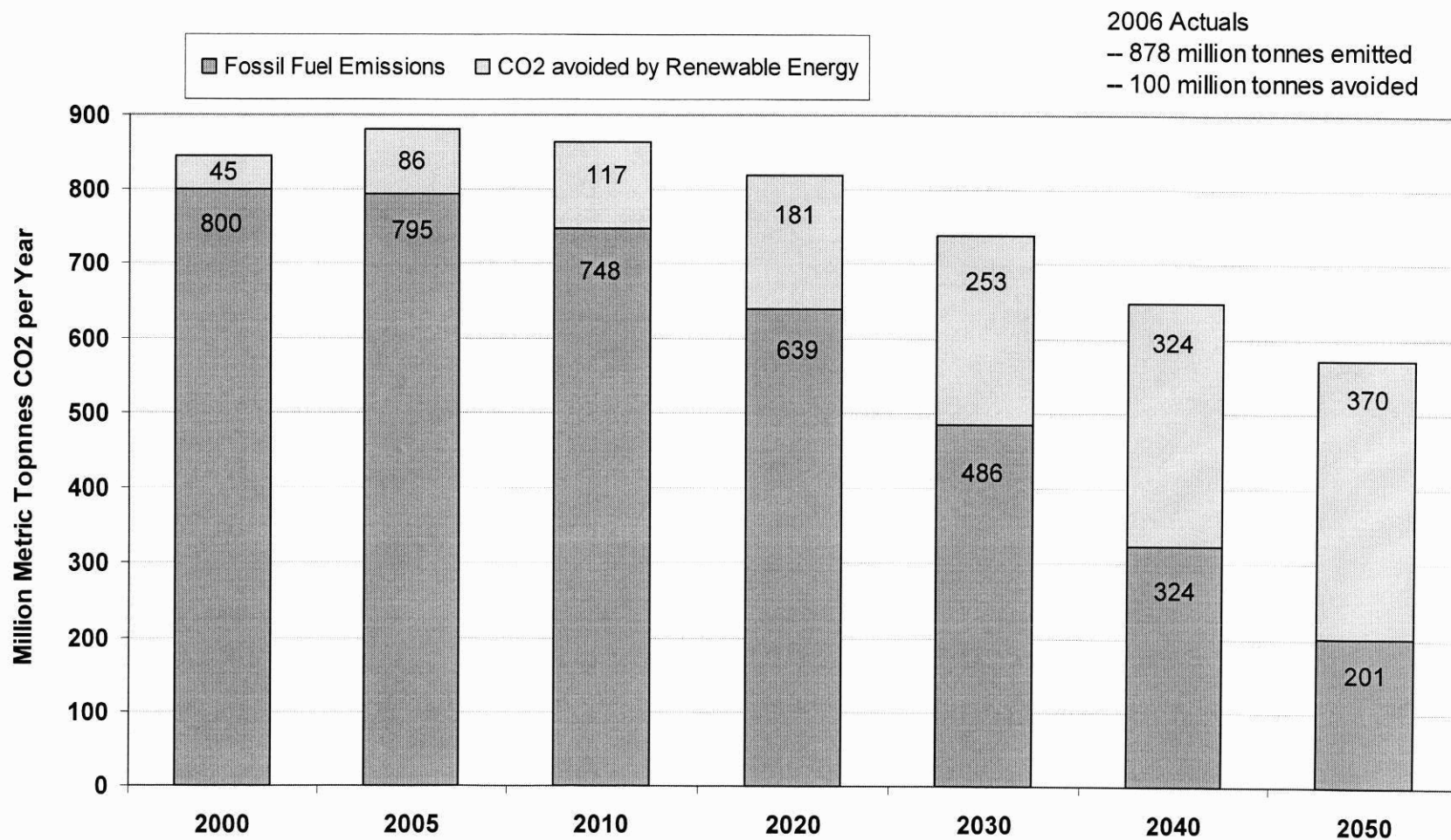
# Strong Global Solar PV Market Growth



Favourable development with expected growth rates of 30% p. a. and higher

# GERMANY'S CO<sub>2</sub> EMISSION TARGETS

(Set by European Union)



SOURCE: German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety



# Germany's Renewable Tariffs

## The Results (2007)

- ◆ Renewables 14% of Supply; 27% target 2020, 45% 2030
- ◆ Renewables 6% of Primary Energy
- ◆ 70,000 Employed in Wind Industry
- ◆ 50,000 Employed in PV Industry
- ◆ 8,000 Employed in Biogas Industry
- ◆ 250,000 Employed in Renewables
- ◆ €22 (~\$30) Billion Turnover
- ◆ Net Benefit \$9BN annually



# Florida Renewables Objectives

---

- ◆ To create a high tech solar industry; broader renewables industry
- ◆ 1000MW of solar by 2011 – 5GW by 2017?
- ◆ Other renewables – 1GW+
- ◆ Balanced – Residential + larger 1-50MW farms
- ◆ Economic Impact
  - Germany - 50,000 employed in solar ; higher paying
  - Revenue for farmers; construction employment
  - Manufacturing modules - 100MW production = \$200MM Capex investment, employing 100 people
  - High tech R&D / Clean energy – a “Solar Silicon Alley”
- ◆ How ? What’s needed for large-scale solar to develop?

# What's Required?

---

- Adequate insolation/wind (incoming solar radiation) ✓
  - Sunshine State very high; 85% of max.
- Long-term fixed pricing/same as utilities X
  - Payment/Recovery mechanism
  - Renewables priority grid access
- Available/affordable land near demand ✓
  - ~10,000 acres per 1000MW
- Simple siting and permitting process X
  - Statewide CEO of Renewables
- Entrepreneurs/Developers ✓
  - State must allow new entrants



## **Florida PSC Heading Down Wrong Path**

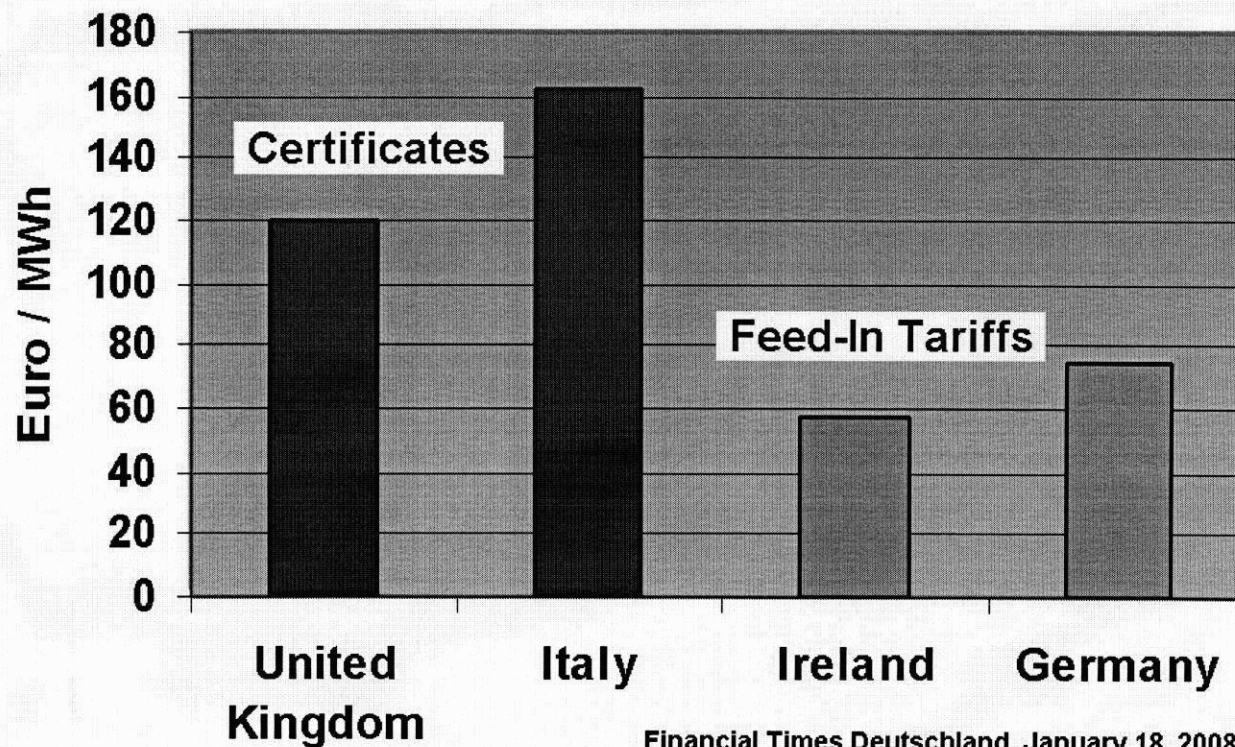
---

- ◆ PSC strawman draft rule proposed:
  - 20% by 2041
  - Hourly Tradable SRECs
- ◆ Tradable RECs - No investment security
- ◆ Florida - regulated energy monopoly - why renewables?
- ◆ Tradable RECs encourage monopolies; Maryland, NJ
- ◆ Tradable RECs are more expensive (Ernst & Young, IEA, Summit Blue)
  - **Germany 4x more RE generated @ 1/5 relative cost of UK RECs**

**RECs Highest Ratepayer Cost – Least Effect**

## REPS Are Lower Risk – Deliver Lower Cost Power

### Price of Windpower Electricity 2007



Financial Times Deutschland, January 18, 2008



# A Trading System

---



## SRECs – Not A “Trading” System



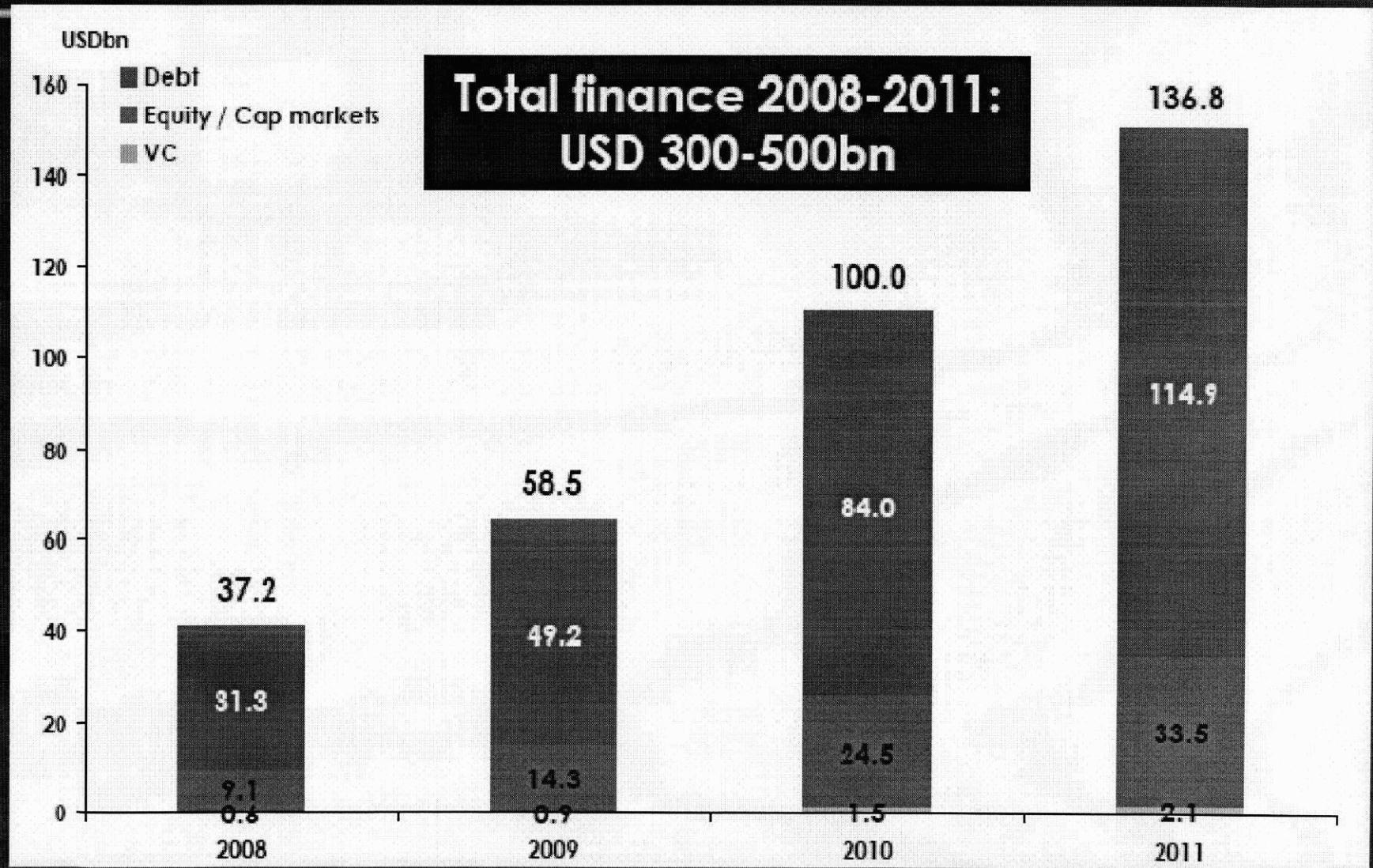


## **Problems With Tradable SRECs**

- ◆ NYSE – Billions of trades; huge liquidity; millions of counterparties
- ◆ Tradable SRECs – Maryland
  - Minimal counterparties; Constellation, SunEdison
  - No liquidity
  - Few trades other than via SunEdison
  - A “Monopoly”

**TRADABLE SRECS GIVE NO INVESTMENT SECURITY**

# PV Financing Requirements: Who Lends?



Source: Good Energies  
Strictly Confidential, For Information Purposes Only



# Gainesville Regional Utility



- ◆ City of Gainesville utility is 5<sup>th</sup> largest municipal utility in Florida; 89,000 retail and wholesale customers
- ◆ Thought leader in Florida; proposed a Solar FIT/REP
- ◆ Seeking implementation 1/1/2009
- ◆ Identified Problems w/ existing renewable program
  - Solar rebates don't reward performance
  - Net metering
    - Cannot accommodate 3<sup>rd</sup> party investors
    - Doesn't allow investor to capture future value
    - Ownership; triple net leases; most businesses cannot benefit

# Recommendations

---

- ◆ German style FIT/REP
- ◆ Tariff at 21-31c net; ~ 35c gross with ITC; higher for business'
- ◆ 20 year guaranteed fixed price
- ◆ 5% degression on pricing
- ◆ Automatic access; no caps; all rate categories eligible
- ◆ Discontinue GRU rebates, state subsidies and net metering



# Return Comparison

---

**Table E-1**  
**Effects of Proposed Feed in Tariff**  
**on Owner's Financial Return**  
**From an Average Priced PV System**

Rate Class	Scenario	
	Current Rebate and Net Metering Program <sup>a</sup>	Proposed Solar Feed in Tariff
First Year ROI (%/Year)		
Residential	6.67	11.56
Gen. Serv. Non-Demand	7.46	11.56
Gen. Service-Demand	5.09	11.56
Large Power	5.03	11.56
IRR Results (%)		
Residential	2.29	6.43
Gen. Serv. Non-Demand	4.73	6.43
Gen. Service-Demand	-0.64	6.43
Large Power	-0.79	6.43

a. Assumes 100% of the local and state taxes associated with purchasing electricity are included in this scenario. This benefit does not accrue under the FIT scenario.

# Pricing

---

## Rate Schedule for PV Energy (\$/KWh Delivered)

If PV System is Installed in Calendar Year...	Solar FIT Shall be...	And Applied Uniformly From the Date of installation through Dec. 31,
2009	0.260	2029
2010	0.247	2030
2011	0.234	2031
2012	0.223	2032
2013	0.212	2033
2014	0.201	2034
2015	0.191	2035
	Grid Parity	

# GRU Conclusions

---

- ◆ US a relative renewable laggard
  - net metering, SRECs insufficient or counterproductive
- ◆ Policy first – market, jobs/industry will follow
- ◆ Local, Regional and National
- ◆ Implement “Gainsville” style REP at state/federal level
  - Policy tool to achieve RPS targets – SO contracts
- ◆ Grassroots - Municipalities; Counties – have them force initiative with IOUs
- ◆ Engender competition among green cities/politicians



# What Can You Do?

---

- ◆ Ask your legislators to support REP “Freedom” Act
- ◆ Require PSC to have workshops on REP/feed in tariff alternatives
- ◆ Focus on:
  - jobs/wealth creation
  - Energy independence
- ◆ Renewables are an investment in FL energy future
- ◆ Thanks Mike!
  - Governor’s Action Team recommends REPs
- ◆ Work w/ beneficiaries to sponsor legislation
  - Farmers
  - Local Construction/Building industry
  - High tech
  - Regional financial community



## **Who Is Advocating REPs?**

---



**[www.Allianceforrenewableenergy.org](http://www.Allianceforrenewableenergy.org)**

**[www.FAREnergy.org](http://www.FAREnergy.org)**

**Contact: [jburgess@FAREnergy.org](mailto:jburgess@FAREnergy.org)**

**Dorothy Menasco**

---

**From:** Filings@psc.state.fl.us  
**Sent:** Tuesday, December 09, 2008 9:00 AM  
**To:** Ruth Nettles; Kimberley Pena  
**Subject:** FW: e-filing (Dkt. No. 080503-EI)  
**Attachments:** 080503.comments ll.sversion.doc

FPSC, CLK - CORRESPONDENCE  
 \_\_\_Administrative\_\_\_ ☒ Parties \_\_\_Consumer\_\_\_  
 DOCUMENT NO. 06466-08  
 DISTRIBUTION: \_\_\_\_\_

Ms. Roberts:

Per my supervisor's instruction, I have not processed the attached e-filing received Monday, 12/8/08, at 4:58 p.m. It appears that the filing received today, 12/9/08, at 8:24 a.m. is the refiled version indicated in my supervisor's message below. As such, the refiled version will be accepted for filing as of today, 12/9/08. Thank you for your help.

*Dorothy Menasco*

*FPSC*

*Office of Commission Clerk*

*850-413-6770*

---

**From:** Kimberley Pena  
**Sent:** Tuesday, December 09, 2008 8:14 AM  
**To:** Dorothy Menasco; Ruth Nettles  
**Subject:** RE: Documents  
**Importance:** High

Do not process the e-filing from OPC/Brenda Roberts from 4:58pm. The attachment is a draft and they will be refileing this morning.

---

**From:** ROBERTS.BRENDA [mailto:ROBERTS.BRENDA@leg.state.fl.us]  
**Sent:** Monday, December 08, 2008 4:58 PM  
**To:** Filings@psc.state.fl.us  
**Subject:** e-filing (Dkt. No. 080503-EI)

Electronic Filing

a. Person responsible for this electronic filing:

Joseph A. McGlothlin, Associate Public Counsel  
 Office of Public Counsel  
 c/o The Florida Legislature  
 111 West Madison Street, Room 812  
 Tallahassee, FL 32399-1400  
 (850) 488-9330  
[mcglothlin.joseph@leg.state.fl.us](mailto:mcglothlin.joseph@leg.state.fl.us)

b. Docket No. 080503-EI

In re: Establishment of rule on renewable portfolio standard.

12/9/2008

c. Document being filed on behalf of Office of Public Counsel

d. There are a total of 20 pages.

e. The document attached for electronic filing is OPC's Comments on December Workshop.

(See attached file: 080503.comments II.sversion.doc)

Thank you for your attention and cooperation to this request.

Brenda S. Roberts  
Office of Public Counsel  
Telephone: (850) 488-9330  
Fax: (850) 488-4491

12/9/2008

FPSC, CLK - CORRESPONDENCE

Kimberley Pena 080503

Administrative ☒ Parties ☐ ConsumerDOCUMENT NO. 0804660-08

DISTRIBUTION: \_\_\_\_\_

**From:** Kimberley Pena  
**Sent:** Friday, December 12, 2008 11:00 AM  
**To:** Office of Commissioner McMurrian; Administrative Assistants - Commission Suite; Commissioners Advisors  
**Cc:** Ann Cole  
**Subject:** FW:  
**Attachments:** Obama-German policy model.pdf

Thank you. This information will be placed in Docket Correspondence - Parties and Interested Persons, in Docket No. 080503-EI, today.

---

**From:** Carol Purvis **On Behalf Of** Ann Cole  
**Sent:** Friday, December 12, 2008 9:42 AM  
**To:** Kimberley Pena  
**Cc:** Ann Cole  
**Subject:** FW:

Please handle

---

**From:** Office of Commissioner McMurrian  
**Sent:** Thursday, December 11, 2008 10:41 AM  
**To:** Ann Cole  
**Subject:** FW:

Please place this e-mail and attachment in the file for DN 080503-EI. Thank you.

---

**From:** Roy Ratner [mailto:rr@atlas-solar.com]  
**Sent:** Thursday, December 11, 2008 7:56 AM  
**To:** 'Roy Ratner'; 'mike'; roger@vergonabowersox.com; rsmith@bowersolarsolarcontracting.com; rwilson577@aol.com; rg@atlas-solar.com; yannb@agt.com; 'Wayne Wallace'; 'Lois Barber'; Charlie.Crist@MyFlorida.com; CRIDERJW@GRU.COM; carl@diokoenergy.com; 'Frodo Haug'; onegreenflorida@gmail.com; 'Tom Harriman'; 'Ted Middleton'; tj@inovateus.com; 'Gerald Karnas'; gofitzgo2008@yahoo.com; gwen@votesolar.org; AK@ATLAS-SOLAR.COM; AR@ATLAS-SOLAR.COM; Abbey Strauss []; 'Alex Rivera'; atwater.jeffrey.web@flsenate.gov; 'Steve Gorman'; 'Service'; solarfitbillg@cfl.rr.com; speaker@myfloridahouse.gov; Office of Commissioner Skop; Office of Commissioner McMurrian; Office of the Chairman; Office Of Commissioner Edgar; Charlie.Crist@MyFlorida.com; zinasunshine@yahoo.com; 'DeNapoli,Peter'  
**Subject:** RE:

Sorry here is the attachment

Thank You,

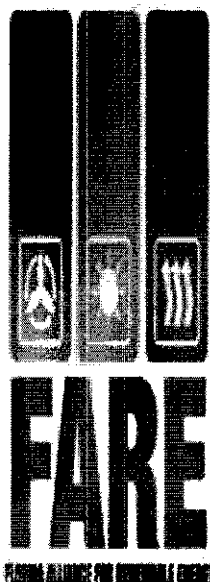
Roy Ratner



12/12/2008

**ATLAS SOLAR INNOVATIONS**  
**2640 N.W. 15TH. CT.**  
**POMPANO BEACH, FL. 33069**  
**www.atlas-solar.com**

**P. 1-877-299-SOLAR**  
**P. 1-954-917-4360**  
**F. 1-954-917-8038**  
**C. 1-954-822-1164**  
**EMAIL: rr@atlas-solar.com**



[WWW.FAREENERGY.ORG](http://WWW.FAREENERGY.ORG)

---

**From:** Roy Ratner [mailto:[rr@atlas-solar.com](mailto:rr@atlas-solar.com)]  
**Sent:** Thursday, December 11, 2008 7:34 AM  
**To:** 'mike'; 'roger@vergonabowersox.com'; 'rsmith@bowerssolarcontracting.com'; 'rwilson577@aol.com'; 'rg@atlas-solar.com'; 'yannb@agt.com'; 'Wayne Wallace'; 'Lois Barber'; 'Charlie.Crist@MyFlorida.com'; 'CRIDERJW@GRU.COM'; 'carl@diokoenergy.com'; 'Frodo Haug'; 'onegreenflorida@gmail.com'; 'Tom Harriman'; 'Ted Middleton'; 'tj@inovateus.com'; 'Gerald Karnas'; 'gofitzgo2008@yahoo.com'; 'gwen@votesolar.org'; 'AK@ATLAS-SOLAR.COM'; 'AR@ATLAS-SOLAR.COM'; Abbey Strauss [] (astrauss@gate.net); 'Alex Rivera'; 'atwater.jeffrey.web@flsenate.gov'; 'Steve Gorman'; 'Service'; 'solarfitbillg@cfl.rr.com'; 'speaker@myfloridahouse.gov'; 'commissioner.skop@psc.state.fl.us'; 'Commissioner.McMurrian@psc.state.fl.us'; 'Chairman@psc.state.fl.us'; 'Commissioner.Edgar@psc.state.fl.us'; 'Charlie.Crist@MyFlorida.com'; 'zinasunshine@yahoo.com'; 'DeNapoli,Peter'  
**Subject:**

This is a good article about Germany's success resulting from feed in tariffs and how this should work with Obama's new strategy.

Thank You,

Roy Ratner



12/12/2008

**ATLAS SOLAR INNOVATIONS**  
**2640 N.W. 15TH. CT.**  
**POMPANO BEACH, FL. 33069**  
**[www.atlas-solar.com](http://www.atlas-solar.com)**

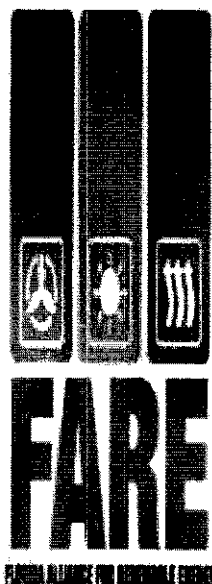
**P. 1-877-299-SOLAR**

**P. 1-954-917-4360**

**F. 1 -954-917-8038**

**C. 1-954-822-1164**

**EMAIL: [rr@atlas-solar.com](mailto:rr@atlas-solar.com)**



**WWW.FAREENERGY.ORG**



## FEATURE-Despite downturn, is German energy a model for Obama?

---

Wed Dec 10, 2008 7:03pm EST

By Erik Kirschbaum

DRESDEN, Germany, Dec 11 (Reuters) - Crisis? What crisis?

While the rest of the economy plunges into recession, Germany's solar power industry is full of optimism, fat order books and factories humming at full capacity -- in stark contrast to the surrounding economic gloom.

Throughout eastern Germany's "Solar Valley," manufacturers are racing to keep up with global demand for solar panels and the state-of-the-art machinery that makes them, even though share prices have fallen sharply this week.

"There's no recession here," said Frank Asbeck, the founder of SolarWorld AG (SWVG.DE: [Quote](#), [Profile](#), [Research](#), [Stock Buzz](#)), the world's third-largest photovoltaic company, which makes everything from solar-grade silicon to solar cells and solar panels.

"We're always recruiting staff and are happy to hire workers laid off elsewhere," he said during a tour of a 480-million euro (\$600 million) manufacturing plant in Freiberg south of Dresden.

SolarWorld's share price took a beating along with others on Tuesday after Germany's Q-Cells (QCEG.DE: [Quote](#), [Profile](#), [Research](#), [Stock Buzz](#)), the world's leading solar cell maker, issued a profit warning, saying 2008 sales growth would slow to 43 percent and to 10 to 20 percent in the first half of 2009.

The economic downturn has been squeezing lending but there has been little sign of a downturn in investment in solar power, said Bernd Rau, co-founder of Roth & Rau, which has 40 percent of the world market for machines that make solar panels.

"The sun doesn't send any bills," Rau said, adding banks have become fully aware of the sun's ability to produce recession-proof cash flow. "The financial crisis isn't going to change anything about the fundamental vision of solar power."

Q-Cells' chairman Anton Milner, who stunned markets with his warning on Tuesday only a week after saying the crisis was not having an impact, told Reuters he thought the downturn would now cause problems for the smaller, weaker players in the sector.

Yet Milner said he expected very strong U.S. growth even though the steep drop in oil prices in recent months is a key factor clouding the horizon for growth.

Theo Kitz, analyst at Merck Finck in Frankfurt, said the growth in photovoltaic was still strong despite market volatility.

"The solar sector is in one of the fastest growing markets despite the recession and that won't be changing," he said. "It's not going to matter if annual growth rates fall a few percentage points below the 60 percent rates we've been seeing."

Despite its heavy cloud cover most of the year, Germany produces half of the world's solar power, twice as much as its nearest rival, Japan, and four times third-placed United States.

It produced 3.78 gigawatts in 2007 and in 2008 will add 1.5 gigawatts. Renewables account for 14 percent of its electricity.

This success was set in motion a decade ago, when a new coalition of Germany's Social Democrats and Greens set up a framework to promote solar, wind and other renewables by requiring utilities to buy clean energy at above-market rates.

It worked, as the scores of companies in "Solar Valley," in the eastern state of Saxony, amply show. The law

has since been copied in more than 40 countries.

Germany's renewables sector has been recording growth of 30 percent per year since 1998 and now employs some 250,000 people – turning entrepreneurs like Asbeck and Rau into millionaires.

It is expected to hit 450,000 jobs in the decade ahead and before long bypass the car industry's 600,000 workers – as rising energy prices and falling production costs make renewables even more attractive.

German equipment and know-how is now exported around the world and Germany is the world's third-biggest producer of solar panels after China and Japan.

Despite the optimism in Germany, there has been much turbulence in the solar industry this year. On Tuesday when Q-Cells dropped 18 percent while SolarWorld lost 5 percent. The stock prices of other solar power companies around the world have also fallen on fears of oversupplied markets.

In Spain, Europe's second-biggest market after Germany, the government slashed subsidies for solar providers in September because demand was so high. In Germany, utilities will be paying out less to solar providers from 2010, reflecting the sector's strong gains in recent years.

#### OBAMA WANTS TO SEIZE RENEWABLES

For the entrepreneurs of Solar Valley, the big question is what will U.S. President-elect Barack Obama do. Based on his comments during the election, many expect him to go down the same path Germany took in 1998.

The United States is solar power's "sleeping giant", said SolarWorld's Asbeck, and has the potential to quickly reach grid parity – the point where rising market prices for conventional electricity cross falling prices for solar power.

"Many parts of the United States get up to twice as much energy from the sun as Germany. They could reach grid parity years before us. And when that happens, the demand will soar. There will be no limit to the growth."

Q-Cells' chairman Milner said: "We are expecting very strong business in the United States in the second half of 2009."

In a speech in August, Obama pointed to Germany's success and pledged to invest \$150 billion over 10 years in renewable energy in the United States, where solar power accounts for less than one tenth of one percent of the U.S. supply.

"Will America watch as the clean energy jobs and industries of the future flourish in countries like Spain, Japan or Germany or will we create them here?" Obama said. "It isn't just a challenge to meet, it's an opportunity to seize."

Obama renewed his commitment to renewable energy last week.

Although controversial at first, Germany's Renewable Energy Act (EEG) made it possible for homeowners to install solar panels on their roofs and recoup the investment costs within about a decade, thanks to generous feed-in tariffs.

A system producing enough power for a four-person household can cost 30,000 euros in Germany.

There are now about 500,000 roofs in Germany with solar panels and 60,000 work in solar power, twice the 2004 number.

Asbeck, who donated 2,394 solar modules for the roof of the Papal audience hall at the Vatican last month, welcomed Obama's plans and said SolarWorld's U.S. orders were doubling. It has a staff of 500 in the United States.

"It would be a bit immodest of us to start giving Barack Obama advice," said Social Democrat Thomas Jurk, the Economy Minister in Saxony and a leading advocate of the photovoltaic industry. "But I think if you don't have the courage to take the first step, you'll never reach the goal." (Reporting by Erik Kirschbaum; Evans)



Administrative ☒ Parties ☐ ConsumerDOCUMENT NO. 064666-08

DISTRIBUTION: \_\_\_\_\_

Kimberley Pena 080503

**From:** Kimberley Pena  
**Sent:** Wednesday, December 10, 2008 2:31 PM  
**To:** Office of Commissioner McMurrian; Administrative Assistants - Commission Suite; Commissioners Advisors  
**Subject:** FW: article  
**Attachments:** PVNews\_112008.pdf

Thank you. This information will be placed in Docket Correspondence - Parties and Interested Persons, in Docket No. 080503-EI, today.

---

**From:** Carol Purvis **On Behalf Of** Ann Cole  
**Sent:** Wednesday, December 10, 2008 2:25 PM  
**To:** Kimberley Pena  
**Cc:** Ann Cole  
**Subject:** FW: article

Please handle

---

**From:** Office of Commissioner McMurrian  
**Sent:** Wednesday, December 10, 2008 10:55 AM  
**To:** Ann Cole  
**Subject:** FW: article

Please place this e-mail and attachment in the file for DN 080503-EI. Thank you.

---

**From:** Roy Ratner [mailto:rr@atlas-solar.com]  
**Sent:** Tuesday, December 09, 2008 2:39 PM  
**To:** 'mike'; roger@vergonabowersox.com; rsmith@bowers-solarcontracting.com; rwillson577@aol.com; rg@atlas-solar.com; 'Ron Phillips'; roger@vbengineering.com; 'Randy Bowers'; ryan@powerfilmsolar.com; 'Wayne Wallace'; eric.graham@myflorida.com; 'Tom Harriman'; 'Thomas J. Sutton'; 'Tom Pacchioli'; 'Ted Middleton'; 'Todd Foley'; tj@inovateus.com; onegreenflorida@gmail.com; yannb@agt.com; 'DeNapoli, Peter'; 'Peggy Talerico'; AK@ATLAS-SOLAR.COM; AR@ATLAS-SOLAR.COM; Abbey Strauss []; 'Alex Rivera'; atwater.jeffrey.web@flsenate.gov; 'Groover, April'; 'Steve Gorman'; 'Service'; solarfitbillg@cfl.rr.com; 'Stowe, Bud'; sales@getsolar.com; 'Dan Morris'; dale.brill@eog.myflorida.com; 'Frodo Haug'; 'Faye Roller'; feuch@aol.com; 'Gerald Karnas'; gofitzgo2008@yahoo.com; 'Groover, April'; 'George Cavros'; johnhschisler@bellsouth.net; 'John Kuchler Sr.'; JDORSCHNER@MIAMIHERALD.COM; jkoenig4@bellsouth.net; jburgess@thinkenergyllc.com; jjordan@conservationresourcegroup.com; 'Kellyn Eberhardt'; 'Kim Bowker'; 'Lois Barber'; 'Muniz, Laura (Martinez)'; zinasunshine@yahoo.com; 'Claudine Schneider'; Charlie.Crist@MyFlorida.com; CRIDERJW@GRU.COM; carl@diokoenergy.com; Office of Commissioner Skop; Office of Commissioner McMurrian; Office of the Chairman; Office of the Chairman; Office Of Commissioner Edgar; Office of Commissioner Argenziano; 'Michael Lockwood'; MCOON@POWERFILMSOLAR.COM; Mark Futrell; marylouiseb@hotmail.com; 'Bianca Barth'; 'John Kuchler Sr.'  
**Subject:** article

Good article PV news goes international -great exposure for our cause

Thank You,

Roy Ratner

12/10/2008



**ATLAS SOLAR INNOVATIONS**  
**2640 N.W. 15TH. CT.**  
**POMPANO BEACH, FL. 33069**  
**[www.atlas-solar.com](http://www.atlas-solar.com)**

**P. 1-877-299-SOLAR**  
**P. 1-954-917-4360**  
**F. 1 -954-917-8038**  
**C. 1-954-822-1164**  
**EMAIL: [rr@atlas-solar.com](mailto:rr@atlas-solar.com)**



**[WWW.FAREENERGY.ORG](http://WWW.FAREENERGY.ORG)**



## Feed-in Tariff Proposals Aim to Open Up New Markets

As solar stocks lurched back and forth this month, many in the industry took the bevy of new policy proposals being discussed around the world to heart. From Israel to the United Kingdom to Gainesville, Florida, a number of different government bodies have begun seriously discussing the institution of a feed-in tariff for solar power. While the costs and market pricing effects of feed-in tariffs have some energy analysts doubting their long-term viability, many in the solar industry view them as the only way to build a sustainable market.

In the middle of October, Ed Milliband, Secretary of State for the Department of Energy and Climate Change in the United Kingdom announced that the Labour Government would back a proposal that would include a feed-in tariff for distributed generation in the U.K.'s newest Energy Bill. Shortly after that the House of Commons accepted the proposal, arguing the feed-in tariff amendments are essential if the U.K. is to meet its European Union obligations to generate 20 percent of its electricity from renewable sources by 2020. While no specific technology was singled-out for direct support, it is likely the two biggest beneficiaries of the U.K.'s feed-in tariff will be distributed solar power and micro-wind turbine installations.

Israel, which has an average annual insolation high enough to make even the sunny Spanish up their SPF, recently approved a feed-in tariff for mid-sized solar power systems. The National Infrastructure Ministry has opened a feed-in tariff program for solar power systems ranging from 50 kW to 5 MW, though the program is capped at the first 50 MW of installed capacity. The country's Pub-

lic Utilities Authority has agreed to buy electricity generated under the program for \$0.53/kWh, or close to four times the average retail electricity rate.

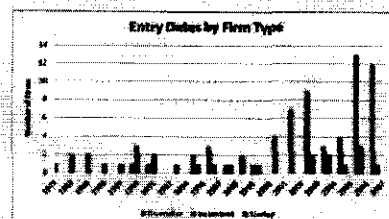
Sunday Solar Energy, a solar integrator, has already committed to investing \$133 million to build out solar installations from Israel's numerous kibbutzim. Response to the new program has been high, and the National Infrastructure Ministry is reportedly considering removing the 50-MW cap in order to help the country meet its goal of generating 20 percent of its electricity by 2020.

Not to be outdone by the national programs, Gainesville, Florida is set to launch the world's first local feed-in tariff. Under a program run by Gainesville Regional Utilities, a municipal power company, customers in the company's service would receive up to \$0.26/kWh for electricity generated by a solar power system. City commissioners have already requested a draft proposal from Gainesville Regional Utilities, which according to Florida Alliance for Renewable Energy director Mike Antheil, means the feed-in tariff is nearly a done deal. The program will replace a currently existing \$1.50/W rebate and net metering program.

Despite the spate of new feed-in tariff proposals, a few concerns remain. For policymakers, the largest problem is the potential impact on electricity customers. To pay for feed-in tariffs, utilities often pass the costs to their customers. Politicians in Germany raised this issue in the spring when arguing for a 30 percent reduction in that country's feed-in tariff. As the global economy sloughs through a recession many politicians will be looking

*Continued on Page 6*

### Also in this issue



#### North America PV Market Overview: Laggards and Leaders

page 12

#### Solyndra Rolls Out Tube-Shaped Thin Film

page 3

#### U.K. Backs Feed-In Tariff for Distributed Generation

page 8

#### Honda Soltec Joins CIGS Fray

page 8

#### 6N Silicon Starts Shipping From Ontario Factory

page 10

#### New Method for Producing Flexible Silicon Solar Cells

page 14

**Travis Bradford**  
Editor-in-Chief

**Daniel Englander**  
Assistant Editor

**Oka Tai-Lee**  
Art Director

**Frank Smith**  
Copy Editor

**Paul Maycock**  
Editor Emeritus,  
Contributing Writer

#### **Publishers**

Greentech Media, Inc.  
1132 Massachusetts Ave  
Cambridge, MA 02138  
tel: +1 617 500 4257  
email: [pvnews@greentechmedia.com](mailto:pvnews@greentechmedia.com)  
web: [www.greentechmedia.com](http://www.greentechmedia.com)

Prometheus Institute  
1280 Massachusetts Avenue, Suite 203  
Cambridge, MA 02138, USA  
tel: +1 617 868 0337  
fax: +1 617 868 0076  
email: [pvnews@prometheus.org](mailto:pvnews@prometheus.org)  
web: [www.prometheus.org](http://www.prometheus.org)

#### **General Inquiries**

The Prometheus Institute and Greentech Media welcome all contact about any topics related to sustainable development and solar energy. We strive to provide top-quality data and analysis relating to sustainable technologies. Please feel free to contact us at the address above with comments or suggestions for improvement.

#### **Sources**

As an open source publication, we would be pleased to share sources for the facts and figures used in *PVNews*. Contact us with any requests.

Copyright © 2008  
Prometheus Institute for Sustainable Development and Greentech Media  
All rights reserved.  
ISSN 0739-4829

# Letter From the Editor

Having recently examined the implications of the current shifting market for PV for many of the equipment (including both module and feedstock) producers, it is time to turn to how the change from an under-supplied world to an over-supplied one will impact downstream installers and integrators.

On its face, a buyer's market should be good for downstream players. It means that, for the first time in a long time, integrators should be able to negotiate for lower prices and better terms of sale for modules. Not only is it possible to set up vendor competition, but the inevitable delays in finalizing projects will only accrue to buyers' advantage. Cheaper component prices should allow formerly marginal projects to move ahead, and backlogs of projects should begin to unfreeze where markets are not capped by policy or bureaucracy.

While pursuing these revived opportunities, three cautions should be noted. First, end customers of systems are increasingly aware of the change in market dynamics. In response to the new supply-demand reality, the largest of them may even look for ways to go around middle men and procure, structure, and finance deals themselves. US utilities that can now take advantage of the ITC are certainly examining the issue. Anything

you can do – including better component pricing due to scale purchase across multiple projects, ability to maintain or optimize system output, or faster time to completion – to convince a utility or commercial customer that they are better off by partnering with a reputable integrator will be vital.

Second, confidence in product performance and the adequacy of warranty from manufacturers will still matter. Certainly for anyone who is the residual owner of the systems – whether the facility owner, the PPA provider, or the project equity holder – having a reliable company to back up the claims of performance of many years will be increasingly important.

Third, some terms of financing in the near-term may be squeezed due to economic uncertainty and credit market anxiety. This is both temporary and avoidable. What this credit market reveals to many people is that risk still matters and must be priced correctly, and that understanding will lead to the realization that PV systems are still one of the best risk/ reward tradeoffs for long-term investment. As lenders begin to allocate scarce capital in the next few months, this will accrue to the benefit of PV projects. They one of the best investments – good returns for low risk – and will remain so for a long time to come.

## **PVNews™ Industry**

### **10 Years Ago This Month**

#### **Later Breaking News**

According to Hermann Scheer (member of Parliament), the New Coalition (German Conservatives, Liberals, Democrats and the Greens) have approved and funded a 100,000 PV module production subsidy – a 70% subsidy. The 5 year program is budgeted for 1.5 Billion Deutsche Mark (1.5 Billion Dollars). **ICH BIN EIN GRÜENER!**

### **5 Years Ago In PVNews**

#### **Headlines**

Japan: 5 MW in 1993!

Spain: EC has announced a 3% credit

bonus for small two-faced modules

Germany: organized

market with 150 kW in 1993

France: 100 kW

# US PV News

## **Solyndra Rolls Out Tube-Shaped Thin Film**

By Uclia Wang, Greentech Media

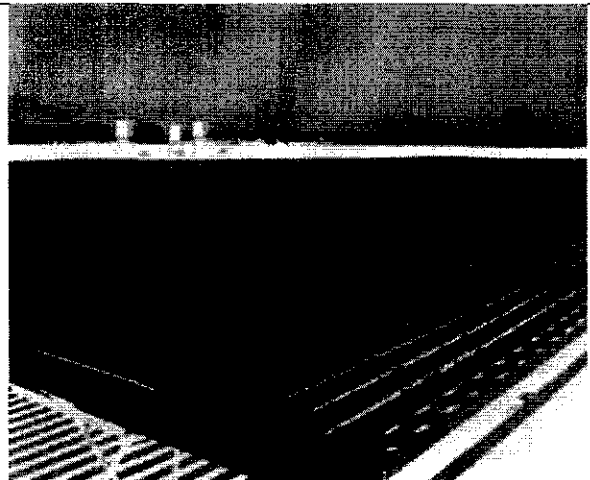
Solyndra broke its silence to discuss its thin-film solar technology, claiming that its product is cheaper to install and more effective at converting sunlight into electricity than conventional solar panels.

Solyndra rolls its copper-indium-gallium-diselenide (CIGS) thin films into a cylindrical shape and places 40 of them in each 1-meter-by-2-meter panel. Other companies' cells, including thin-film and conventional silicon cells, are flat. The Fremont, Calif.-based startup began shipping its panels to customers in large volumes in July, CEO Chris Gronet said. He wouldn't disclose how much the company is producing in "large volumes" or when it would fully ramp up its production. But the startup has announced contracts with two customers so far, Solar Power Inc. and Phoenix Solar, and it expects to ink more contracts "very soon," he said. Solyndra has a \$325 million deal to deliver panels to Solar Power from 2008 to 2012. Phoenix Solar's deal, for the same delivery period, is worth about €450 million (\$546 million).

Gronet says the company's panels can capture direct, indirect and reflected light, making them more productive than many other solar panels today. The company is targeting the commercial rooftop market, and is marketing its systems both to installers and directly to business customers.

Each Solyndra cylinder, which is one inch in diameter, is made up of two tubes. The company uses equipment it has developed to deposit CIGS on the outside of the inner tube, which includes up to 150 CIGS cells. On top of the CIGS material, it adds an "optical coupling agent," which concentrates the sunlight that shines through the outer tube, Gronet said. Gronet said his company can produce thin films that are roughly two times thinner than some of the CIGS cells that have been verified by the U.S. National Renewable Energy Laboratory, which tests and validates solar technologies. The cells that Solyndra is making in high-volume production can convert 12 percent to 14 percent of sunlight into electricity, an efficiency that Gronet said is better than competing CIGS thin-film technologies. Other companies have released higher efficiency numbers, but achieved those in labs or in lower-volume production. Efficiency numbers reached in labs tend to be higher than what can be achieved during regular production. Gronet declined to disclose the cost of producing Solyndra's cells or panels.

After inserting the inner tube into the outer tube, each cylinder is sealed with glass and metal to keep out moisture, which erodes CIGS' performance. Gronet declined to say what metal is used for the seal, but hinted that the sealing technology is commonly used in florescent bulbs. Each cylinder is placed one inch apart and connected at each end with wiring and harnesses that lie parallel to the cylinders. The design is intended to keep broken cylinders from



*Solyndra's tube-like solar panels line this rooftop installation.*

affecting the performance of those that still work. Solyndra then fits the cylinders into aluminum-framed panels, which are placed on a white mounting device a foot off the roof. The clearing allows the CIGS tubes to capture sunlight reflected from the rooftop.

Unlike many conventional solar-power installations, which have to be tilted to better capture sunlight, Solyndra's system doesn't need to be anchored on the roof with ballasts and adhesives, Gronet said. The cylindrical design makes the panels more wind resistant, capable of withstanding winds of up to 130 miles per hour, he said. "Because there are gaps in our panels, there is no lift when the wind blows through. You can set the panels on the roof like a coffee table," Gronet said.

The company has developed its own manufacturing equipment and can build a production line in six months, Gronet said. Solyndra operates in a 300,000-square-foot complex made up of three buildings. The company makes its inner tubes in a 183,000-square-foot building at its headquarters in Fremont, where a second, 20,000-square-foot building serves as office space. A third building, located in nearby Milpitas, assembles the cylinders into panels. The company is increasing its production output to reach the 110-MW capacity at the inner-tube factory, which will allow Solyndra to roll out two million cylinders per year.

The company has raised about \$600 million in equity from investors since its inception in 2005, according to Gronet, who declined to discuss whether the company is seeking more money. Investors include Virgin Green Fund, Madrone Capital Partners, RockPort Capital Partners, Argonaut Private Equity, Masdar, Redpoint Ventures, U.S. Venture Partners, Artis Capital Management and CMEA Ventures.

<http://www.solyndra.com>

*(This is an excerpt from a story Uclia Wang wrote on Greentech Media's site on Oct. 7.)*

### **HelioVolt Factory Opening in Texas**

On Oct. 24, HelioVolt announced the opening of its first factory for producing thin-film solar energy products in Austin, Texas. The 122,400 square foot facility is expected to create 160 new jobs.

HelioVolt will house its first manufacturing operations in a certified green building. The company's new facility accomplished LEED (Leadership in Energy Efficiency and Design) certification by both Austin Energy's Green Building Program and the U.S. Green Building Council. The specific sustainability initiatives include efficient lighting, energy conservation, sustainable materials, indoor environmental quality, design process innovation, and water conservation and reuse.

"This company was founded on the principal of making solar energy cost-effective, essentially aligning economic and environmental interests to fundamentally change our global energy industry," said Dave Bowen, vice president of operations at HelioVolt. "We are furthering that vision by ensuring that this company is built upon the very concepts of sustainability that we aim to enable in others."

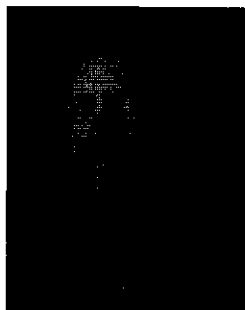
The opening of the production plant commences the first commercial implementation of HelioVolt's proprietary FASST reactive transfer printing process for solar thin-film production. According to HelioVolt, FASST was designed to bring solar energy to grid-parity by combining lower cost thin-film materials with superior manufacturing efficiencies and high-quality end products. HelioVolt says that its FASST process delivers copper indium gallium selenide (CIGS) solar cells exceeding 12 percent conversion efficiency in six minutes. HelioVolt is leveraging FASST to manufacture traditional modules and next-generation building integrated photovoltaic (BIPV) products.

<http://www.heliovolta.net>

### **Konarka Technologies Opens Thin-film Manufacturing Facility**

On Oct. 7, Konarka announced the opening of its 250,000 square-foot building, which will allow the company to begin commercial scale production of its thin-film solar material using a roll-to-roll process. According to the company, the facility will be the largest of its kind in the world. The plant, which can produce 100 feet of flexible solar film per minute, will initially employ 10 to 15 people, with executives hoping to add 100 more employees over the next two to three years. The company has made products for test applications at its pilot manufacturing facility in Lowell but has yet to announce any commercial customers. According to CEO Rick Hess, Konarka expects to begin commercial production for customers in the first three months of 2009.

Konarka also purchased the automated roll-to-roll manufacturing line housed therein and hired a number of former Polaroid process engineering employees to work in the facility. According to Hess, there are only a small number of facilities in the world that could support Konarka's process. The facility, he said, will give the company a leg up in a highly competitive thin-film solar market. "A lot of companies [using other processes] would have to come into a site and build from scratch, but because we can use existing infrastructure, this allows us to set up quickly," he said.



*HelioVolt VP of Operations, Dave Bowen*

"This facility has state-of-the-art printing capabilities that are ready for full operation, with the future potential to produce over a gigawatt of flexible plastic solar modules per year," commented Howard Berke, executive chairman and co-founder of Konarka. "Our technical leadership and innovation in flexible thin-film solar, along with this facility's capabilities of producing in excess of 10 million square meters of material per year, will allow us to produce Power Plastic for indoor, portable, outdoor and building integrated applications."

Konarka's thin-film technology allows for the colored printing and application of a polymer material that can convert light into energy. The technology was originally developed by the late Sukant Tripathy, the materials scientist and University of Massachusetts at Lowell professor, and by Alan Heeger, who won the 2000 Nobel Prize for chemistry. The technology has attracted a lot of fanfare since the company was founded seven years ago, allowing the firm to raise more than \$100 million in capital from a number of investors, including Draper Fisher Jurvetson, 3i Group, Good Energies Investments, New Enterprise Associates and Chevron Corporation. Konarka has also been assisted by numerous Massachusetts state and public agencies, including the Governor's office, the Executive Office of Energy and Environmental Affairs, MassDevelopment and the Massachusetts Technology Collaborative's Renewable Energy Trust Fund and Green Energy Fund.

<http://www.konarka.com>

### **Oregon to Become a SolarWorld**

SolarWorld opened North America's largest solar cell manufacturing facility this month. It is expected that the new plant, located in Hillsboro, Oregon, will reach a capacity of 500 MW by 2011. SolarWorld said it expects to employ 1,000 people at the Hillsboro facility by the time the 500-MW capacity is reached.

"The need for affordable and efficient energy alternatives represents a global issue and is more critical than ever," said Frank Asbeck, CEO of SolarWorld. "SolarWorld has more than 30 years invested in solar technologies and today is helping to bring real alternatives to market through a strategy focused on high-volume manufacturing. The new Hillsboro facility is our most shining example of this strategy in practice."

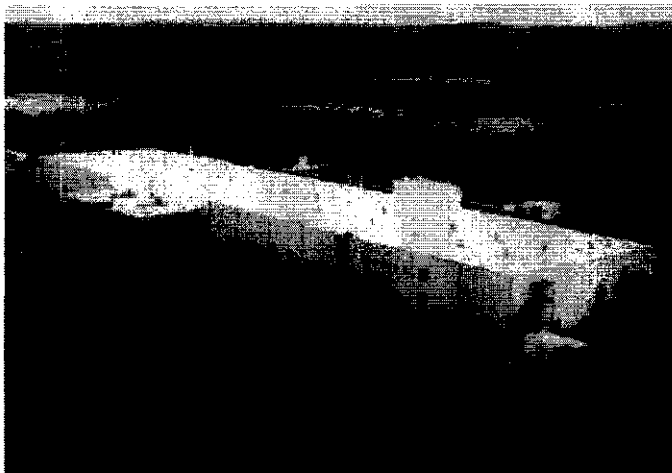
The Hillsboro factory is a 480,000 square foot facility, measuring one-quarter mile end-to-end. The company acquired the factory from Japan's Komatsu Group for \$400 million in March 2007. SolarWorld is investing more than \$400 million in the new facility.

<http://www.solarworld-usa.com>



### **First Solar Jumps Into U.S. Residential Market With SolarCity**

First Solar Inc. and SolarCity Corporation announced on Oct. 29 a module supply agreement geared toward U.S. homeowners. The two companies have agreed on a five-year deal in which First Solar will supply 100 MW of its thin-film solar modules to SolarCity. This is a notable event, given that it marks First Solar's entrance into the U.S. residential segment. Through the agreement, First Solar will begin delivering modules to SolarCity in the first quarter of 2009. First Solar also announced a \$25 million equity investment in SolarCity which is part of a \$30 million round of financing that will fund SolarCity's continued expansion into the U.S.



*SolarWorld's Hillsboro Cell Fab*

"The combination of First Solar's modules with SolarCity's innovative approach to designing, financing and maintaining complete solar solutions enables homeowners and small business owners to lower their electricity costs while reducing air pollution and the effects of global warming," said First Solar CEO Mike Ahearn.

<http://www.firstsolar.com>

## **Integrators**

### **SunPower and GE Launch a PV System at Hewlett Packard**

SunPower Corporation and General Electric jointly announced on Oct. 13, 2008 the completion of a 1.1-MW solar-electric power system on the roof of HP's printing technology research and development facility in San Diego.

SunPower is offering HP's employees preferred rates on solar power systems for their homes. The solar company installed a SunPower T10 Solar Roof Tile commercial roof system, which is a non-penetrating product that tilts at a 10-degree angle to increase energy capture. According to the press release, the system will reduce more than 60 million pounds of carbon dioxide emissions over the next three decades. This is equivalent to providing electricity to 3800 homes or removing more than 5250 cars from the road. "We applaud HP's vision for the future as well as its understanding that solar makes good business sense today," said Tom Werner, SunPower's CEO. "For leading companies and

individual homeowners, clean, reliable solar power will become a core energy investment over the next decade. Solar power can be delivered anywhere, at any scale, when and where we need it."

As an alternative to purchasing the commercial system itself, HP is buying electricity from GE Energy Financial Services, a division of GE that owns the system under a power purchase agreement program with SunPower. HP owns the renewable energy credits and environmental benefits associated with the system and will have the option to retire or sell the system. According to the joint release, the solar electricity is competitively priced against retail rates, providing HP with a long-term hedge against rising peak power prices.

<http://www.sunpowercorp.com>

<http://www.geenergyfinancialservices.com>

### **Standard Solar Raises \$8.5M in Expansion Funding**

Standard Solar Inc., a Mid-Atlantic region's turnkey provider of solar energy systems announced this month it has raised \$8.5 million to scale up the company's ability to meet growing demand in its targeted residential and commercial markets and fund geographic expansion. CEO Anthony Clifford said that the funding comes at a great time, allowing the company to "take immediate advantage of the historic solar tax credit legislation just passed by Congress and signed into law by President Bush."

Most of the money will be used to advance the company's marketing endeavors and its ability to meet the growing demand for residential PV installations and small to mid-size commercial systems for businesses, schools, government agencies and other organizations. The capital raised will be used to develop the financial, operational and customer service capabilities required to support this expansion. Truecast Capital of Middleburg, Virginia completed the second-round of company financing. Also participating were several institutional and private investors.

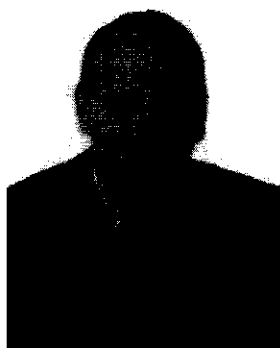
Over the summer, Standard Solar finished installing more than 800 high-efficiency solar panels manufactured by SunPower Corporation on the roof of the U.S. Department of Energy headquarters in Washington, D.C. One of the largest solar systems currently in the region, this 205-kW system generates up to 222,000-kWh hours of electricity per year. Standard Solar also mentioned that this offsets approximately 270 tons of carbon dioxide and other greenhouse gases every year.

<http://www.standardsolar.com>

### **National Grid Announces Plan for New Solar Energy Program in Massachusetts**

On Oct. 2, National Grid announced that it has filed with the Massachusetts Department of Public Utilities its plan to develop and own new solar generation in the state. The company is the first in Massachusetts to present its proposal under the state's new legislation, the Green Communities Act. That act allows utilities to develop and own up to 50 MW of solar generating facilities by 2010.

National Grid's plan includes developing, building, and owning solar installations across the state, working with customers across the state to



Tom King, President of  
National Grid in the U.S.

identify locations and promoting solar education in schools where the solar installations are located. In addition, the plan includes providing advice to customers who are interested in participating in existing solar initiatives as a supplement to National Grid's energy efficiency programs.

"We are pleased to take a leadership role in promoting renewables, an important part of the Green Communities Act. We believe that developing solar generation can offer very real benefits to our customers and

complements our existing portfolio of energy efficiency programs across the Northeast," said Tom King, president of National Grid in the U.S. King was previously president of PG&E Corporation and CEO of PG&E Company from 2003 to 2007.

As part of its plan, National Grid has proposed installation of solar panels at four company-owned sites that have sufficient space and can best assist in relieving electricity congestion points. Following engineering, licensing and permitting, and working closely with the host communities, the company expects to break ground on the new installations during the spring of 2009.

<http://www.nationalgridus.com>

## Policy

### Tax Credits Cause Residential-Solar Slowdown?

By Jennifer Kho, Greentech Media

Most people think of the renewable-energy tax credits that the U.S. Congress passed earlier this month as a big win for solar—and it is. The \$18 billion package includes an eight-year investment tax credit and a two-year production tax credit for solar power. It lifts the previous \$2,000 cap for residential solar installations, making residents eligible for tax breaks of up to 30 percent of the price of their projects, and allows utilities to take advantage of the incentives as well.

But some installers say it's also had the somewhat counterintuitive effect of temporarily slowing residential solar installations. That's because earlier this year, a number of industry insiders expected that the credits might not be extended and anticipated a rush to get projects completed by the end of the year. Now, with residents becoming eligible for much larger incentives starting Jan. 1, some customers have decided to wait, said Jim Jenal, CEO of solar installer Run on Sun.

"The [tax credit] has completely switched this around," Jenal said. After all, the removal of the cap can "substantially" change the economics for larger residential projects, he said. "We're telling folks we're working with to hold off until the new year, because it's too much to leave on the table," he said. "Savvy customers for whom the credit matters [are holding off]. We're telling residential customers that it wouldn't make sense to pull

the trigger now. We think the residential side is going to be quiet for the next few months with a pickup in January."

If the average system costs \$30,000, a \$2,000 tax break was "insignificant" compared to a 30 percent credit of \$9,000, said Julia Hamm, executive director of the Solar Electric Power Association. Assuming the homeowner pays enough in taxes to take advantage of the increased tax break, they would be able to get a smaller loan to pay for the installation, she said. And that would make it easier and less costly to buy a solar-power system.

Not all installers are experiencing a slowdown, however. Akeena Solar, for example, said people are waiting to interconnect their systems, but are still moving forward to install them. In fact, the phones have been ringing more in the last week and a half, said Gary Mull, vice president of marketing at Akeena. "People aren't waiting; they are jumping on this now," Mull said. With the holiday season coming, which tends to slow installations, the delay in switching systems on really comes down to only a 30- or 40-day window, he said.

*(This is an excerpt from a Greentech Media article by Jennifer Kho on Oct. 16.)*

### New York State Grants Aid for Solar Power Initiative

The New York State Public Service Commission announced in mid-October a big initiative to expand the use of renewable energy in New York. The commission announced an additional \$42.6 million in grants to help homeowners and businesses to install solar panels and other electric power-producing equipment. The grants will be distributed through the Renewable Portfolio Standard program, which is funded with a surcharge on all utility bills in New York.

PSC chairman Gary Brown said consumers can also sell surplus electricity they generate back to the utility, which would help ease demand elsewhere.

<http://www.dps.state.ny.us>

## Continued from Page 1

for ways to make life easier for their constituents. However, this argument may need to be counterbalanced with the long-term effects of growing a domestic solar industry, including the increase in much needed manufacturing jobs and the price and supply security that the solar industry increasingly represents.

# World PV News

## Europe

### **U.K. Backs Feed-In Tariff for Distributed Generation**

On Oct. 16, Ed Milliband, Secretary of State for the Department of Energy and Climate Change, announced a proposal before the House of Lords declaring that the Government would seek inclusion of a feed-in tariff for distributed generation in the forthcoming Energy Bill. Currently, the United Kingdom supports a wide-ranging Renewables Obligation Credits scheme directed toward utility-scale renewables. While ambitious, the ROC scheme has come under criticism for largely failing to help the U.K. achieve its European Union energy goals of producing 20 percent of its electricity from renewable sources by 2020. At the country's current pace, the U.K. will achieve only 5 percent renewables penetration by that time.

Milliband's announcement comes hot on the heels of British Prime Minister Gordon Brown's directive to create the Department of Energy and Climate Change at the beginning of the month. The surprise announcement followed a considerable amount of lobbying from Britain's Solar Trade Association and Renewable Energy Association. "We are delighted that the Government has acted on our suggestion that energy now needs its own department and cabinet minister," commented REA Director General Phillip Wolfe. The DECC will focus on tackling climate change issues in the U.K., building a domestic renewables industry and helping the country meet its electricity supply goals.

A week after Milliband's speech in the House of Lords, the House of Commons approved the government's proposal and included the feed-in tariff as an amendment in the newest Energy Bill. The amendments require the DECC to establish regulations governing the extension of permitted development status to distributed generation status, meaning the project will not require permitting prior to installation. The feed-in tariff is meant to cover distributed deployments of solar PV and solar hot water systems, as small as micro-wind and CHP systems. In announcing the proposal Milliband said, "complementing the renewables obligation for large-scale projects, guaranteed prices for small-scale electricity generation, feed-in tariffs have the potential to play an important role, as they do in other countries."

<http://www.decc.gov.uk>

### **Solaria Energia Stuck With Unsold Solar Parks**

Solaria Energia y Medio Ambiente, a Spanish solar module manufacturer and turnkey project developer, is reportedly stuck with over 28-MW worth of solar power stations and is looking for a buyer. The Spanish company built the projects at the request of several potential customers, who later withdrew their contracts following downward revisions in Spain's feed-in tariff. Solaria continued with development of the projects, which are worth a combined \$212 million, with the belief that new buyers would surface. However, the combination of continued uncertainty over the tariff cap in Spain and the deteriorating global credit situation has made dried up the pool of potential customers.

Spanish solar power project developer Fotowatio has been cited as a potential buyer of Solaria's projects. In August, the company received a \$350 million equity investment from General Electric and Grupo Corporativo Landon, a Spanish bank. Fotowatio used some of that money to buy four solar power stations with a combined generating capacity of 32 MW earlier this month from GA Solar.

Given the dearth of interest for Solaria's solar parks, Fotowatio may be able to scoop them up at a bargain price. Fotowatio CEO Rafael Benjamin said, regarding the company's acquisitions earlier this month, "the expansion of our development pipeline, combined with this acquisition, have significantly increased our portfolio and represent the kind of growth we expect to continue in Spain and other key markets."

<http://www.solariaenergia.com>  
<http://www.fotowatio.com>

### **German Bank to Finance Greece's Largest Solar Power Project**

Germany's Landesbank Baden-Württemberg announced this month it will provide financing to a Greek solar installer to develop what will become that country's largest solar power installation. LBBW, along with subsidiary LBBW Luxembourg SA, have agreed to provide €12 million to Greek project developer Savvas Zafiratos & Co. E.E. over a 15 year financing period in the form of bond loans.

The project, which will become Greece's largest upon its completion in February 2009, is currently in construction to complete the initial 2 MW. An additional 1.25 MW is set to come online by September 2009 at the 80,000 square meter site 50 km northwest of Athens. It is expected that the project will eventually include a combined 16 MW at a number of different sites within the same area. A number of German companies are working with Savvas Zafiratos & Co., including module supplier Aleo Solar and inverter manufacturer SMA Solar Technology.

LBBW's willingness to finance such a significant project in the emerging Greek market exhibits the signs of life many in the solar project development industry were hoping to see over the last few months. While the global credit crunch has led to the cancellation of some projects and expansions, project financiers are finding opportunities in growth markets with strong support policies, such as those found in Greece. LBBW has been very active in the last few years with renewable energy financings, doing roughly €350 million worth of business in solar during 2008 alone.

<http://www.lbbw.de>  
<http://www.zafiratos.net>  
<http://www.aleo-solar.de>

## Solar Rumbblings From Eastern Europe

Eastern Europe is making significant strides to become an important component of the solar industry. Earlier this month Energosolar Hungary announced it had shipped the first components of a turnkey production equipment line to Bulgaria's Solarpro. The equipment will form the foundation for Solarpro's €20 million a-Si module production facility, which is expected to come online by the end of 2008. Solarpro's module plant will reach its full capacity of 18 MW over three production lines by the middle of 2009, and will include plasma-enhanced chemical vapor deposition equipment, as well as lasers and sputtering tools, from Energosolar. Energosolar has also been contracted to provide staff training and equipment servicing for Solarpro.

Solarpro has worked over the past year building out the structure for its module manufacturing facility, and the company expects to ship its first modules by the first quarter of 2009. A majority of the company's first production run is already booked for delivery at a planned 2.4-MW solar power station in northeastern Bulgaria. Most of the financing for Solarpro's operations comes from Kaolin, a Bulgarian minerals and mining company, which owns 80 percent of the Bulgarian module manufacturer.



Plan for Energosolar's 24-MW Thin-Film Production Line

Topaz. Energy Solutions was the first module manufacturer to locate in Bulgaria, and currently operates a 15-MW c-Si module production facility. The company reported earlier this month it required only \$1.4 million to double its production capacity to 30 MW, but was waiting for its home market to mature before actively seeking financing. Topaz, a joint venture between companies from Russia and Moldova also has plans to build a module manufacturing plant, Bulgaria's third, on an investment of €20 million.

<http://www.energosolar.com>  
<http://www.energysolutions.gr>

## Schott Solar Abandons IPO in Stormy Market

Citing difficult market conditions, Germany's Schott Solar abandoned its planned \$899 million initial public offering this month. The 50-year old company provides services to multiple segments of the solar product chain and had marketed itself aggressively to investors for a month prior to the decision. Schott is well established in both the United States and Germany. However, the company has not completely given up on its plan to raise cash

from the public markets, saying in a statement "once the capital market environment has settled on a sustained basis, the next steps will be considered." The IPO would have been Europe's largest public offering since June 2008.

Despite the financing setback, Schott Solar launched an innovative product offering at the Solar Power International conference in San Diego this month. The company debuted its new 225 watt polycrystalline module, which will be manufactured at its new



Schott Solar CEO Mark Finnochario

flagship facility in Albuquerque, New Mexico when that plant comes online. Schott already manufactures a 310 watt module at a production plant in Billerica, Massachusetts. Shipments for the new module will begin in the spring of 2009, around the time the Albuquerque plant is expected to come online. Initial annual production capacity at the plant is expected to reach 70 MW; though the company has also said the

plant will be able to accommodate significant future growth.

In addition to manufacturing PV modules at the New Mexico plant, Schott will bring to bear its experience in industrial glass and mirrors by using the plant to manufacture solar receivers for CSP facilities. Schott's intends to establish itself as a leader in what it sees as one of the fastest growing global CSP markets.

<http://www.schott.com>

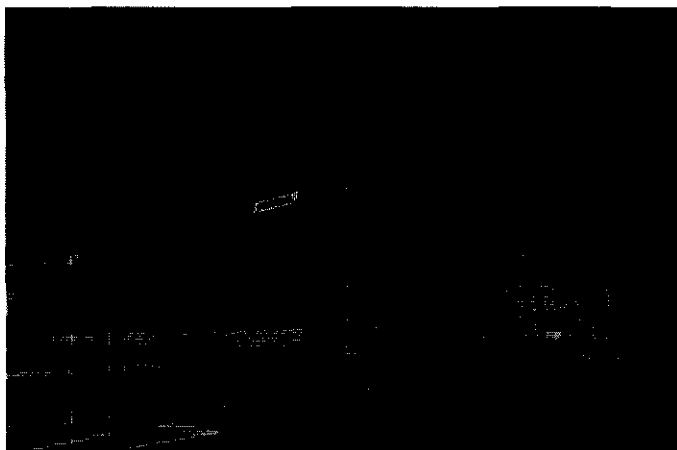
## Asia

### Honda Soltec Joins CIGS Fray

Honda became one of the first companies to sell CIGS panels commercially this month, joining the ranks of other early-starters like Solyndra and Nanosolar. However, unlike its North American, venture-funded counterparts, Honda Soltec had an established engineering base to start from. Soltec, a subsidiary of the Japanese automaker, incorporated technology developed by Honda Engineering to develop and manufacture copper indium gallium selenium cells in-house. In September 2006, Soltec began construction on a 27.5-MW cell manufacturing facility, announcing its first sales during the summer of 2007.

While the company's initial sales were for residential consumers, Honda Soltec's latest announcement has the company moving into the commercial and industrial markets. This is likely a sign the company is producing at a sufficiently large scale to satisfy commercial orders. Honda Soltec's CIGS cells can currently be found in a number of small commercial installations, including a 116-kW array at a Honda motorcycle factory and a 20-kW array installed on a ship used to transport automobiles. Soltec's newest CIGS modules are available in both 115 W and 125 W for industrial and commercial installations.





*Honda Soltec's Manufacturing Facility in Japan*

In addition to the company's pure-play thin-film ambitions, Honda is working to co-locate its thin film modules with hydrogen production and fuel cell filling stations. The company has 13 test sites spread across Japan, Thailand, and California where it uses electricity generated from its CIGS modules to create hydrogen from water and fill fuel cells.

<http://www.honda.com>

#### **Singapore Joins Solar Fray With Help From REC and Fluor**

REC announced this month it has contracted with Fluor to develop the Norwegian company's new solar manufacturing center in Singapore. Fluor, a construction management firm well known in the oil and gas services industry, will receive \$420 million from REC to manage the infrastructure, facilities, roadways, and utilities for REC's newest manufacturing complex. The complex will be located on a green field site outside of Singapore's city center.

Ground was broken on Singapore's newest solar manufacturing facility in July 2008. The plant is expected to come online in early 2010, with an annual production capacity of 740 MW of wafers, 550 MW of cells, and 590 MW of modules to be reached by 2012. Fluor is working with Bovis Lend Lease on managing construction of the plant, which will require 350 workers to build out to its full specs.

Fluor and REC have worked together on a number of projects in the past. "Fluor has established a great relationship with REC working with the company in both the polysilicon production and solar component production arenas," said Ivor Harrington, senior vice president of Fluor's Manufacturing & Life Sciences business. Fluor has expanded its Singapore offices to assist in developing REC's solar manufacturing plant. Fluor's Manila offices will also assist in the construction and planning. The engineering and construction firm is also working with REC on an expansion of the Norwegian company's polysilicon manufacturing facility in Moses Lake, Washington. The expansion will be complete in 2009 and will double the facility's current manufacturing capacity.

<http://www.recsolar.com>

<http://www.fluor.com>

#### **LG Ditches Plasma Displays for Solar Cells**

Korean electronics manufacturer LG has announced it will join the ranks of competitors like Kyocera, Sanyo and Samsung in jumping into the solar cell manufacturing industry. The company said this month it will turn over space currently used to manufacture plasma display panels to build two new solar cell production lines at one of its plants in South Korea. LG will invest \$167 million to replace an old plasma display production line with two crystalline solar cell lines. The first is expected to come online during the first quarter of 2010, while the second will follow a year later during the first quarter of 2011. Both lines have a planned annual production capacity of 120 MW. Electronics manufacturers like LG already have established technology and manufacturing bases for developing solar technologies from their previous technologies.

To bolster its position in the solar market, LG acquired the solar manufacturing business from LG Chemical, its sister company, in June 2008. Kwan Shik Cho, head of LG Electronics' Solar Cell Business, said "leveraging LG's cumulative R&D knowledge in various photovoltaic technologies in the last three years as well as our mass manufacturing expertise will allow us to quickly become a global player in the solar cell and module manufacturing business." The shift in strategy represents a trend toward falling global prices for plasma display technology and the growing market for solar technology.

<http://www.lg.com>

#### **LDK Signs Big Italian Deal, Aims to Limit Capital Market Exposure**

Chinese wafer manufacturer LDK said this month it signed a major supply deal with Italy's Helios Technology. The seven-year wafer supply deal will see LDK ship 70 MW of wafers to Helios between 2009 and 2015. In return, Helios has agreed to make a prepayment to LDK on a portion of the contract's value. "As we continue to experience strong demand for our solar wafers, this particular agreement further expands LDK's presence in Europe and represents the increasing geographic diversity of our customer base," said LDK CEO Xiaofeng Peng.

This contract represents a significant step in bolstering LDK's ambitions to reduce its exposure to the capital markets. The company claims it has enough cash on hand to eliminate its need to raise money on the capital markets over the next two years. Current cash flow will allow LDK to press ahead on plans to more than double production capacity at its manufacturing facility in Jiangxi. By the end of 2008, Peng says LDK will have reached 1.2 GW of production capacity, while he says the company will reach 2.2 GW of capacity by the end of 2009. By 2010, LDK believes it will reach an annual production capacity of 3.2 GW, all funded from current cash flows. In addition to these planned expansions, LDK has said it is considering making acquisitions in the upstream polysilicon manufacturing space.

<http://www.ldksolar.com>

## **Moser Baer Brings Gen 8.5 Panels to Germany**

Moser Baer, India's leading solar manufacturer, has announced the closing of two major supply agreements with major German solar installers. The two contracts, worth a combined \$500 million will see Moser Baer delivering an undisclosed capacity of its new amorphous silicon Gen 8.5 panels to Ralos Vertriebs and Colexon Energy. The deals represent a significant step forward for Moser Baer's global expansion plans in its bid to become one of the world's major solar panel manufacturers.

Despite this news, Moser Baer has been relatively quiet regarding the progress of its panel manufacturing system. The company announced in March 2007 it had selected Applied Materials to supply production equipment for its new thin-film fab. Moser Baer was the first company to contract for Applied Materials' Gen 8.5 production line, which is capable of producing a-Si panels up to 5.7 square meters in size. However, despite its early technology acquisition lead, Moser Baer was beat to the production punch by Signet Solar, another Applied Materials customer. Moser Baer's initial goal was to reach 200 MW of annual production capacity by 2009 on the Gen 8.5 line.

In February 2008, Moser Baer revised its production targets to 600 MW of annual thin-film capacity by 2010 following the signing of a \$1.5 billion memorandum of understanding with Applied Materials. The company is now aiming to capture 30 percent of the global thin-film market by 2010. It is expected to reach 2 GW of production capacity at a value of \$5 billion by that time.

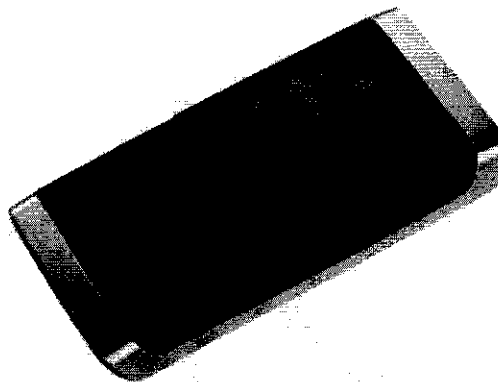
<http://www.moserbaerpv.in>  
<http://www.appliedmaterials.com>

## **6N Silicon Starts Shipping From Ontario Factory**

Canadian met grade producer 6N Silicon has started shipping from its polysilicon factory in Vaughan, Ontario. Shipments from the 2,000 MT per year factory began during the middle of this month and were on time to satisfy the opening deliveries for 6N's volume customer contracts. The company's move to production has been fast, with manufacturing beginning a short six months after 6N received financing from private and government supporters, and only four months after the company set up shop in a pre-existing facility.

A majority of the 6N's funding came from its \$20 million Series B round, which it closed in March 2008. The company also raised money from the Government of Ontario's Next Generation of Jobs Fund, a province-wide economic development program. Although 6N raised funds for its plant build-out in March, the site of a solar company opening the doors on production in this economic climate is impressive. Still, the production milestone might not be enough to quiet critics of reprocessed polysilicon, many of whom claim this kind of polysilicon degrades faster in cells and contains a number of efficiency-hampering impurities.

On the other hand, 6N presents its technology as the solution to two problems currently facing the solar industry—undersupply of polysilicon and high input prices. Reprocessing metallurgical



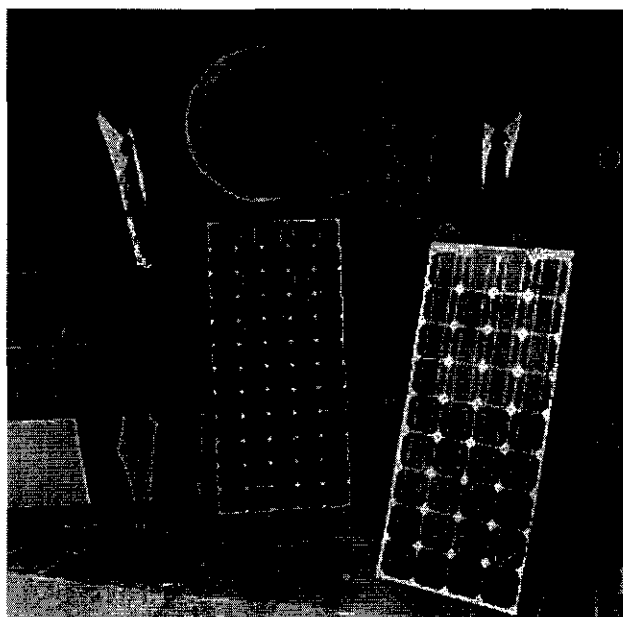
## **LG Set to Move Beyond the Solar Cellphone**

grades silicon into solar grade silicon produces polysilicon for solar applications that is cheaper and easier to create than traditional virgin polysilicon. While markets for this technology did not exist two years ago, now companies such as Q-Cells have shown significant interest in acquiring this newer, cheaper input material. However, the large amount of polysilicon production capacity expected to come online within the year, in addition to an oversupply situation in downstream applications, may force the market for met grade polysilicon to evaporate as quickly as it appeared.

<http://www.6nsilicon.com>

## **Australian Scientists Break c-Si Efficiency Record**

A team lead by Prof. Martin Green Prof. Stuart Wenham at the University of New South Wales Photovoltaic Centre of Excellence has beaten its own record for conversion efficiency on a c-Si cell. The previous record stood at 24.7 percent, but the researchers are now claiming they have reached 25 percent as a result of new knowledge they have gained about the composition of sunlight. The record is one of six world records the University of New South Wales claims for solar technologies.

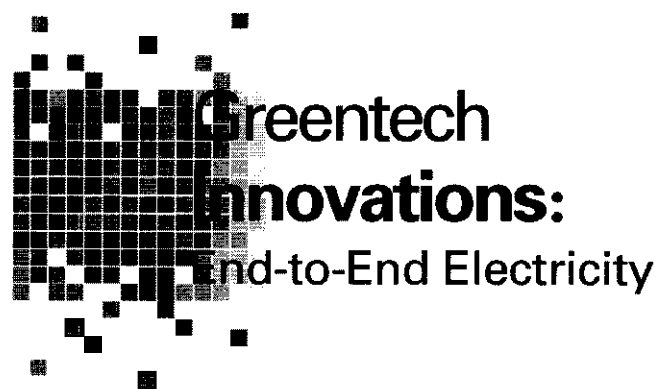


Professors Stuart Wenham (left) and Martin Green from the University of New South Wales

Green and Wenham's milestone was reached on both technological advancement and reconsideration of how the standard spectrum is measured and assessed. Previously, the standard spectrum was "defined under typical operational meteorological conditions," said Prof. Green. However, "improvements in understanding atmospheric effects upon the colour content of sunlight led to a revision of the standard spectrum in April. The new spectrum has a higher energy content both down the blue end of the spectrum and at the opposite red end." This means cells that are able to capture more light at the extreme ends of the spectrum will achieve higher conversion efficiencies.

Scientists at the University of New South Wales have been working on technology like this for a number of years. After tests were run under the revised spectrum, it was determined that the UNSW cells made higher efficiency gains than other, similar first generation PV cells. The university researchers are also currently working with CSG Solar to develop commercially-viable silicon-on-glass cells that they claim are over 100 times thinner than traditional first generation PV cells. Ultimately, Green and Wenham believe they will be able to achieve the c-Si cell theoretical maximum conversion efficiency of 29 percent.

<http://www.pv.unsw.edu.au>



**Greentech Innovations: End-to-End Electricity**  
November 17-18  
New York, New York

<http://www.greentechmedia.com/events/live/gi1108/gi.html>

We would like to offer you a special VIP admission to our upcoming event taking place in New York on November 17 and 18. That's over half off the general admission price! The conference will examine innovative technologies and trends in the generation, transmission, storage and efficient use of electricity.

Register now:  
<http://www.greentechmedia.com/events/live/gi1108/gi-register.html> and save.

Use promo code GTVIP when registering for the discount rate of \$695

## Calendar

### November

**2nd Concentrated Solar Power Summit**  
November 11 - 13  
Seville, Spain

<http://social.csptoday.com/upcomingevents>

**Photovoltaic 2008**  
November 20 - 23  
Athens, Greece

<http://www.leaderexpo.gr/>

**9th Solarpraxis Forum**  
November 20-21  
Berlin, Germany

<http://www.solarpraxis.de/index.php?id=1115>

**PV Tech Milan 2008**  
November 25 - 28  
Milan, Italy

[http://www.artenergy.it/pages/fiere\\_en.asp](http://www.artenergy.it/pages/fiere_en.asp)

### December

**Solar Convention Las Vegas 2008**  
December 1-4  
Las Vegas, Nevada

<http://www.solarconventionlasvegas.com>

**1st PHOTON PV Thin-film and Utility Conference**  
December 3-4  
San Francisco, California

<http://www.photon-expo.com>

### January 2009

**18th International Photovoltaic Science & Engineering Conference & Exhibition (PVSEC)**  
January 19-23  
Calcutta, India

<http://www.energaia-expo.com>

**Renewable Energy Asia - 2008**  
December 10-12  
New Delhi, India

<http://www.pvsec18.in>

# North America PV Market Overview: Laggards and Leaders

As a region, North America can be characterized as both a laggard and a leader. Although early in the history of the industry it was certain that North America, particularly the United States, was a clear leader with the rebirth of the PV industry, North America's established institutions have been sluggish in responding to the new market opportunity. Geographically most PV manufacturing activity is still concentrated in the U.S.

However, these institutions fall into two dramatically different categories: lagging established firms and leading startups. Indeed, in terms of manufacturing capacity from established firms, North America has steadily fallen in the ranking of PV manufacturing capacity to third place (behind Germany and Japan) and now most recently to fourth place globally, behind Spain. Currently, of the 100 active PV cell and module manufacturers in the North American market, only 28 percent are established firms and these firms are often pursuing standard technologies such as crystalline silicon, but at a scale far behind that of international competitors.

## Innovative North American Startups Leading the International Scene

In stark contrast to the sluggishness of established industry, North American startups have been profoundly active. Indeed, there are 72 startups in North America alone and they are among the most innovative and promising companies in the international market. Indeed, while it might be said that North America is marginally relevant among established PV manufacturers, the continent is a roaring engine of innovation that has great potential to transform the international PV market.

There are a number of reasons why established North American manufacturers seem to have been laggards and startups are leaders on the international scene. The most important of which may be the unexpected outcomes of international policy. In some ways, by creating policies that nurtured PV installation, Germany and Japan created the dramatic rebirth of the PV industry. They also created some unique patterns of regional growth and innovation. The creation of incentives led regions close to the growing market,

namely Japan and Germany, to scale established crystalline silicon technologies to meet the rapid increase in demand. On the other hand, regions such as North America which generally lacked incentives appear to have had less activity from established manufacturers that could have leveraged previous manufacturing capabilities as global competitors, such as Sharp, have done.

On the other hand, the lack of incentives in North America may have led to a different competitive logic in North America: having less of an immediate market but recognizing the international opportunity, North America appears to have relied on innovation by entrepreneurs to challenge the growing global dominance of international silicon module manufacturers. Indeed, much of the entry into the North American PV market has occurred recently, after the turn of the century, as innovators and entrepreneurs began to recognize the international PV market opportunity.

## North American Firms Innovating Across Technical Generations and PV Types

Moreover, this innovation has been across generations of PV technology as well as specific categories of PV technology. In many ways, supportive of the side-effects of international policy as well as a steady nurturing of innovative technologies by United States government, entry has been historically most robust in second-generation thin films, followed by concentrators and then by silicon manufacturers and finally by third-generation technologies.

Now, after a period of dramatic entry, North American manufacturers are innovating in virtually every technical category.

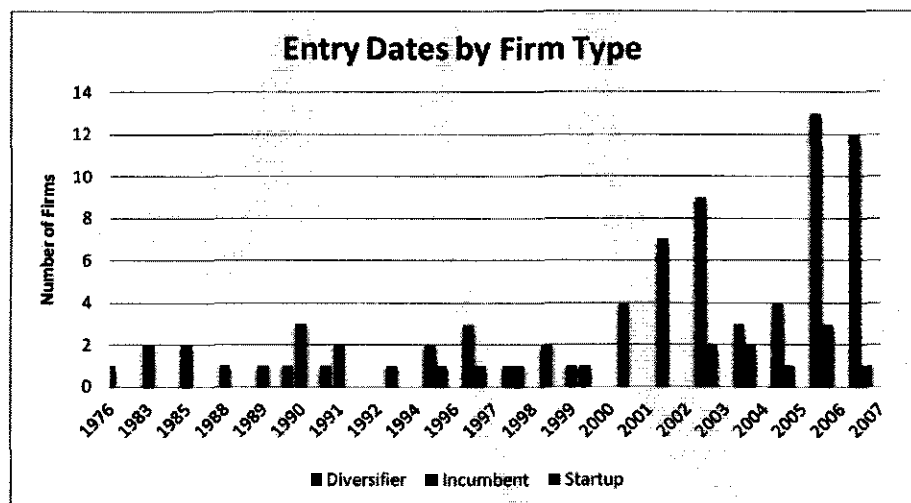


Figure 1: Entry Dates by Firm Type



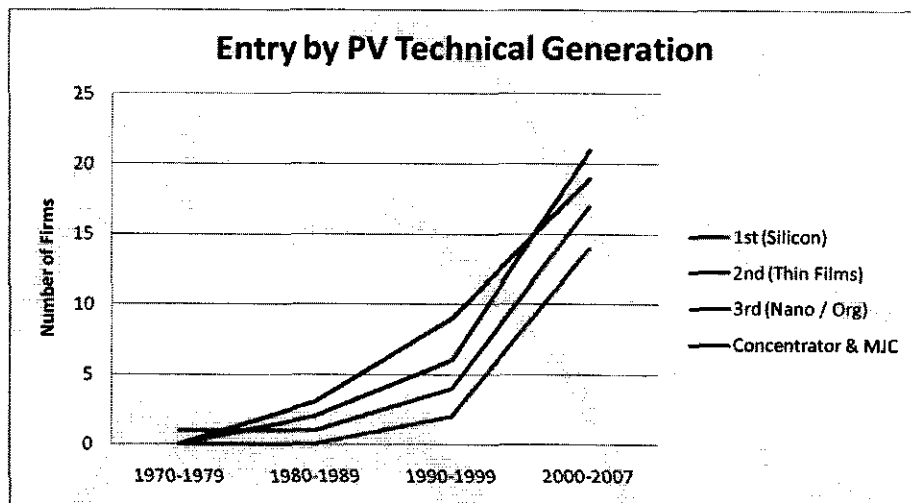


Figure 2 Entry by PV Technical Generation

ry, with 24 percent of entrants pursuing silicon, 31 percent of entrants pursuing different thin films (thin-Si, CdTe, and CIGS), 16 percent pursuing third-generation technologies and a combined 29 percent pursuing concentrating PV related technologies.

As stated before, the bulk of these firms pursuing different technologies comes from the entrepreneurial activity of startup firms. Indeed, established North American manufacturers are largely participating in the most established PV technologies, namely silicon and thin-Si, but even in these areas they are dwarfed by the number of startups pursuing similar technologies. Moreover, while established firms have tended to pursue more traditional manufacturing practices, startups in this market are often pursuing significant innovative improvements on prior paradigms.

## North American Manufacturing Capacity Has Been Modest But Poised for Explosive Growth

tional manufacturers. Indeed, led by Uni-Solar in the production of a-Si and First Solar in the production of CdTe modules, North America demonstrated the beginning of the promise of new technologies with rapid scale-up of thin-film production.

While many of these technologies as of 2007 had yet to fulfill their dramatic promises, North American innovators are poised for dramatic growth. Many of the startups that have entered recently are poised to reach commercial scale in the next year or two with other more innovative startups not far behind. Unlike in the past when commercialization dates were largely overly optimistic promises, these self-stated commercialization dates are made by startups that have already experienced and dealt with set-backs. Therefore, while there will undoubtedly be some disappointments, many of these commercialization dates represent well-founded targets based on significant progress.

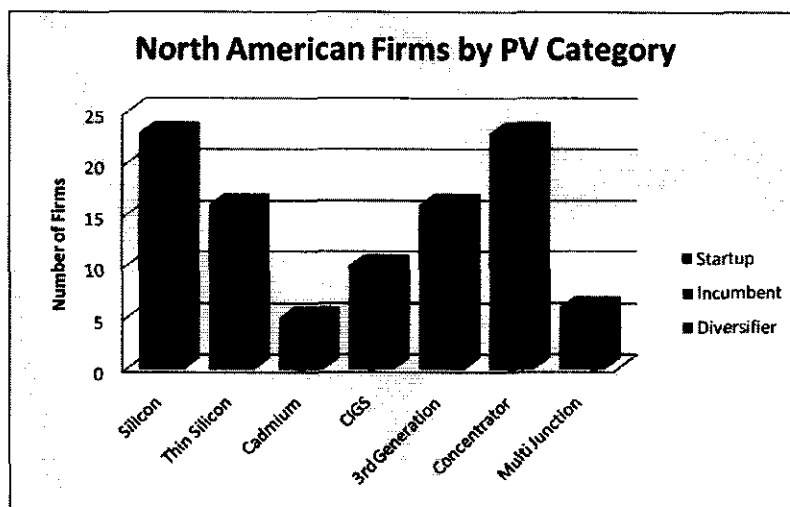


Figure 4: Count of North American Firms by PV Category

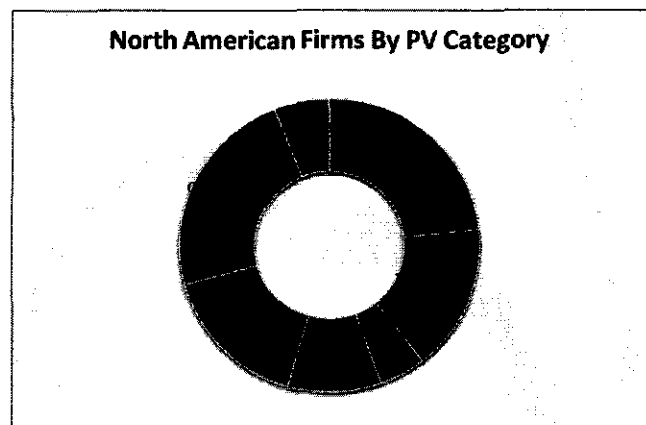


Figure 3 Proportion of North American Firms By PV Category

Despite this level of activity, in previous years North America has not been the largest contributor to global PV manufacturing capacity. North American manufacturers produced a relatively modest quantity of silicon PV modules but a rather dramatic quantity of a-Si and CdTe modules compared to other interna-

In summary, although North America has lagged the international market in traditional technologies and in activity by large established firms, it is the global leader in innovation by startups. Not only are these startups pursuing technologies that will dramatically lower costs, increase cell efficiencies and improve manufacturing speeds, but they are also reaching commercial stage—some currently and most in the next few years.

# This Month in PV Research

## Research

### **New Method for Producing Flexible Silicon Solar Cells**

In an Oct. 6, 2008 issue of the MIT Technology Review, Katherine Bourzac discussed a new method for constructing flexible arrays of tiny silicon solar cells, which was developed by John Rogers, a professor of materials science and engineering at the University of Illinois in Urbana-Champaign. Rogers is heading up the effort to use a combination of etching and transfer printing to manufacture silicon cell arrays that are one-tenth the thickness of conventional cells.

The team led by Rogers demonstrated multiple possible designs for solar panels incorporating the microcells, including dense arrays that are flexible enough to bend around a pencil. "You could roll them up like a carpet, transport them in a van, and unfurl them onto a rooftop," Rogers said. The method leverages techniques for making flexible electronics that Rogers has been developing for several years. First, the researchers etch bars about 1.5 millimeters long, 50 micrometers wide and 15 micrometers thick from a monocrystalline silicon wafer. Then, they utilize a stamp made of a soft polymer to lift the microbars and deposit them on a substrate. That substrate could be made of glass or a flexible plastic. Lastly, they fabricate interconnects.

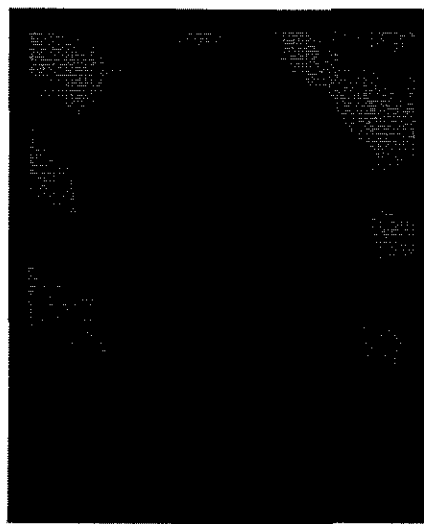
According to the article, the team has determined that a cell thickness of 15 to 20 micrometers accomplished a good balance given the cell was thin enough to be flexible, but thick enough to be mechanically stable and efficient. Conventional solar cells use a layer of silicon 150 to 200 micrometers thick. Arrays of the cells have about a 12 percent efficiency. The Illinois researchers increased the arrays' power output by about two and half times by adding concentrators in the form of a layer of cylindrical microlenses. The best solar cells on the market convert more than 20 percent of the sunlight that falls on them into energy.

Questions regarding the efficiency of Rogers' solar cells still linger in the minds of some experts, according to the Technology Review story. "This is a nice start at using silicon wafers more efficiently," said Howard Branz, silicon materials and devices group principal scientist at the National Renewable Energy Laboratory. However, Branz feels that the cells must have an efficiency closer to 15 percent if they are to "change the game."

<http://rogers.mse.uiuc.edu/>

### **George Washington University Forms the Institute for the Analysis of Solar Energy**

George Washington University announced in early October the formation of the Institute for the Analysis of Solar Energy, which will utilize a multi-disciplinary approach for conducting research on the economic, technical and public policy issues associated with developing and deploying solar power. The Institute will bring together experts from several university departments and



*Institute Head and Solar Expert Ken Zweibel*

schools to provide independent, fact-based information and analysis for policy makers on how solar energy can help address the challenges of global energy supply and climate change.

Solar expert Ken Zweibel will lead the new institute. "There is a real sense of urgency about energy and environmental challenges," said Zweibel. "The increased price of con-

ventional energy suggests we actively consider the contribution of renewable energy alternatives. GW's Institute for the Analysis of Solar Energy will help contribute to that examination by focusing on energy from the sun, one of the few alternative sources capable of replacing terawatts of fossil fuel consumption."

Zweibel has worked in the solar business for nearly three decades in a technical capacity. He has delivered presentations about solar energy around the world, most recently at the National Academy of Sciences in July. In addition, he has developed solar technology for low-cost electricity at the U.S. Department of Energy's National Renewable Energy Lab. Zweibel also cofounded and became president of thin-film CdTe PV start-up, PrimeStar Solar.

<http://solar.gwu.edu>

### **Solar Technology Acceleration Center in Aurora, Colorado**

Aurora will become the home to one of the world's largest solar energy R&D sites, according to an article published in the Rocky Mountain News on Oct. 10, 2008. SolarTAC, which will be located on a 74-acre site, just three miles south of Denver International Airport, will test the latest advances in solar technology.

The center is a spinoff from the Colorado Renewable Energy Collaboratory and is being financed by energy companies including Xcel Energy, Abengoa Solar, SunEdison and Midwest Research Institute. Colorado's major academic and research institutions spawned the Collaboratory last year to bolster the state's capabilities in alternative energy technologies and commercialize those new technologies. The center is backed by the University of Colorado, Colorado State University, the Colorado School of Mines and the National Renewable Energy Laboratory.

The Collaboratory also plans to launch four other research centers over the course of the year to focus on advanced solar, wind, biomass and energy-efficient technologies. The Collaboratory's first research center, the Colorado Center for Biorefining and Biofuels, opened July 1. SolarTAC will be managed by Midwest Research Institute. Its members will be able to test and demonstrate technologies at any commercial development stage.

<http://www.coloradocollaboratory.org>

## Reports

### **SEMI and PV Group Publish Report Discussing Optimal PV Industry End-States**

The PV Group completed a white paper ("The Perfect Industry: The Race to Excellence in Manufacturing") to help members and other industry participants develop a collective industry vision and facilitate strategic planning around industry standards, market information, global advocacy, trade events, sustainable manufacturing practices and other industry issues. The report was produced with the input and guidance of the SEMI Board of Directors and Global and Regional PV Advisory Committees in North America, Asia and Europe. SEMI is the global industry association that serves the manufacturing supply chains for the microelectronic, display and photovoltaic industries.

The white paper describes the ideal industry characteristics for the high-growth PV industry. It also outlines both current and potential SEMI policies, program and initiatives developed to achieve them.

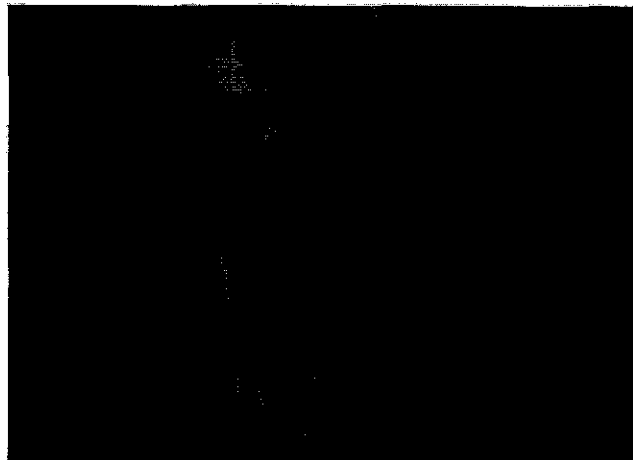
In the process of working with PV Group members and other industry stakeholders on a collective vision, the concept of the Perfect Industry arose. "Defining and communicating ideal or perfect industry end-states, equipment and materials suppliers along with cell and module manufacturers can more effectively prioritize industry-wide initiatives," wrote the PV Group in the white paper.

<http://www.semi.org>  
<http://www.pvgroup.org>

### **Global Green USA Global Solar Report Card**

Global Green USA President Matt Petersen presented the organization's first annual Global Solar Report Card at the Solar Power International Conference in San Diego. The inaugural edition of the report compares the solar energy policies of 14 countries and the state of California. Global Green USA is the American affiliate of President Gorbachev's Green Cross International.

"Solar power has a tremendous potential to deliver substantial amounts of clean electricity while creating new jobs in manufacturing and solar installation," said Petersen. "Solar power will only become competitive once government incentives and policies help advance the market—something that could easily be achieved by eliminating subsidies for polluting oil and gas and investing them in solar."



*Matt Petersen, President of Global Green USA*

The report examined countries' progress to date in terms of solar installed and drivers for future growth, specifically policies in place including financial and regulatory incentives. Germany ranked the highest in the report. California, also included in the study, did well, thanks to the state's solar initiative and decade-long \$3 billion rebate program. The United States' overall rating was fair despite the recent extension of the Investment Tax Credit. Italy and Greece, countries with still nascent markets but promising policy frameworks, require efforts to reduce bureaucratic hurdles. Global Green's analysis shows that Australia could become an important solar market. According to the report, countries that are not providing long-term support for a sustainable growth of solar markets are China, Russia and the United Kingdom. The last company highlighted at the solar conference was Japan, which once owed its top ranking in solar production and installations to a residential photovoltaic rebate program, but currently does not offer support for future growth.

<http://www.globalgreen.org>

# The Analyst's Corner

While nearly all of the players in the solar industry count the recent extension of the U.S. investment tax credit as a win, perhaps no group stands to benefit more from this legislative victory than utility companies. Previously, utilities were subject to an exemption barring them from taking advantage of a 30 percent investment tax credit for solar power projects. This exemption effectively eliminated utilities from owning solar power stations outright, forcing them instead to buy solar-generated electricity from third-party financiers under power purchase agreements. Utilities were also bound on the other side by state renewable portfolio standards, especially in states with solar cutouts. These two forces left some utilities in a precarious position—unable to include solar power stations as a capital asset for rate basing, but forced to pay higher-than-avoided cost prices for electricity.

Lifting the public utility exemption, which lets utilities take advantage of the 30 percent investment tax credit, will make solar power system economics more attractive for utilities than in the past. Tax equity potential combined with the continued downward march in module average selling prices and cheaper, faster installation methods may provide the necessary groundwork for a shift in how utilities relate to the rest of the solar industry. The most significant aspect of this is the allowance the exemption's elimination gives utilities to start acting like, well... utilities. In nearly all states utilities participate in a tightly regulated process that determines the return on equity they are able to receive for a given asset investment. Return on equity is recouped from consumers in the form of a tariff on top of the electricity rate. Rate-basing is standard practice, but can only be done when the target asset is under utility control.

This was previously not the case with solar. Instead of owning projects outright, the exemption forced utilities to enter into power purchase

agreements with solar financing companies like SunEdison. The new legislative regime may force a shift in utility renewables strategy, moving them electricity buyers to system buyers. With this shift it is likely utilities

will start buying solar power systems outright from turnkey project developers, effectively cutting out the third-party financiers that have become so prevalent in the past four or five years. This is a net benefit for the solar industry. First, it will get utilities to think constructively about including solar power in their asset portfolio. Second, it will allow more projects to be built, giving domestic solar suppliers a market potentially on par with those of their German and Spanish counterparts.

Getting utilities to think constructively about solar power is crucial for increasing the penetration of solar power in the domestic generation portfolio. Utilities must now face crucial questions regarding the integration of solar power into their preexisting load. This will likely lead to an increase in the deployment of next-generation transmission and distribution capabilities as well as the increasing use of smart grid technologies to manage a hybridized load portfolio. Ultimately, lifting the utility exemption may be the single best thing for the domestic solar industry. Utilities, which have always had access to lower-than-average costs of capital, will be able to outcompete third party financiers in this increasingly dry credit market. This means more projects will get built at lower prices, but with stable and known rates of return. A little certainty is good for any industry, but especially for one that has gone so long without it.

-DE

---

**Subscribe now by visiting [www.greentechmedia.com](http://www.greentechmedia.com)**

*Or Return this slip with payment (\$245 US, \$295 International):*

Name \_\_\_\_\_ Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

Pay using your credit card: (Mail or Fax to +1 781 658 2557)

Credit Card Type (check one):      AMEX ☐      Mastercard ☐      Visa ☐

Account # \_\_\_\_\_ Security Code \_\_\_\_\_ Exp. Date \_\_\_\_\_

Name on card \_\_\_\_\_ Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

**\*\*CLK OFFICIAL DOCUMENT...\*\***

FPSC, CLK - CORRESPONDENCE  
\_\_\_\_Administrative ☒ Parties ☐ Consumer  
DOCUMENT NO. 06466-08  
DISTRIBUTION: \_\_\_\_\_

**Kimberley Pena** 080503

**From:** Kimberley Pena  
**Sent:** Wednesday, December 10, 2008 2:30 PM  
**To:** Office of Commissioner McMurrian; Administrative Assistants - Commission Suite; Commissioners Advisors  
**Cc:** Ann Cole  
**Subject:** RE: Nuclear energy belongs in a museum

Thank you. This information will be placed in Docket Correspondence - Parties and Interested Persons, in Docket No. 080503-EI, today.

-----Original Message-----

**From:** Carol Purvis On Behalf Of Ann Cole  
**Sent:** Wednesday, December 10, 2008 2:25 PM  
**To:** Kimberley Pena  
**Cc:** Ann Cole  
**Subject:** FW: Nuclear energy belongs in a museum

Please handle

-----Original Message-----

**From:** Office of Commissioner McMurrian  
**Sent:** Wednesday, December 10, 2008 12:31 PM  
**To:** Ann Cole  
**Subject:** FW: Nuclear energy belongs in a museum

Please place this in the file for DN 080503-EI. Thank you.

-----Original Message-----

**From:** Rhonda Roff [mailto:marshmaid@gmail.com]  
**Sent:** Tuesday, December 09, 2008 10:31 PM  
**To:** Office of the Chairman; Office Of Commissioner Edgar; Office of Commissioner Argenziano; Office of Commissioner McMurrian; Office of Commissioner Skop; michael.sole@dep.state.fl.us; Charlie.Crist@myflorida.com  
**Subject:** Nuclear energy belongs in a museum

I am forwarding this from another list, so apologies for cross postings. Hermann Scheer makes an argument that our Florida Energy Office, Public Service Commission and the NRC need to hear. We are at the fork in the road now, with no ground yet broken on new nuclear in Florida, and must make the prudent decision as a community to err on the side of caution. We must exhaust the potential for safe and sustainable renewables, conservation and efficiency first. Rhonda

Snip: "In 1974, the International Atomic Energy Agency forecast that by 2000, nuclear power plants would have an annual capacity of 4.5 million megawatts. Today, 440 reactors provide 300,000 megawatts – a mere 2.5 percent of the world's energy needs."

Snip: "A solar or wind-driven generator can be installed within a few days, while a nuclear power plant takes an average of 10 years to build."



## **\*\*CLK OFFICIAL DOCUMENT...\*\***

"And renewables do not come with an incalculable risk."

Nuclear energy belongs in a museum

Article published in The German Times August 2008

[http://www.hermannscheer.de/en/index.php?Itemid=11&id=208&option=com\\_content&task=view](http://www.hermannscheer.de/en/index.php?Itemid=11&id=208&option=com_content&task=view)

We can meet all our electricity needs with renewables

Producing nuclear energy is neither cheap nor safe. It's time to pay more attention to alternative energies – and to promote them the way nuclear energy once was.

Around the world, there is much fanfare announcing the renaissance of nuclear energy. The International Energy Agency is even calling for the construction of 1,200 new nuclear power plants by 2050.

The agency considers that a necessary answer to climate change and says the move would also help to lower dependency on fossil fuel imports, as well as helping to stabilize fuel prices.

This argument ignores the many and serious risks of nuclear energy – which remain unchanged – as well as its true cost. It also denies the huge potential of renewable energies, in an effort to establish the fundamental indispensability of nuclear power.

The nuclear industry is the result of a gigantic machine powered by political subsidies and privileges. Everywhere, it gets tax breaks for nuclear fuels, exemptions from liability insurance, as well as favorable loans and investment subsidies. But that is not the only reason nuclear power is the biggest subsidy program in global economic history. Governments have already spent more than \$1 trillion on the research and development of nuclear energy alone – 20 times what has been invested in renewable energies.

As costs skyrocketed and public opposition grew in the mid-1970s, the construction of nuclear power plants was largely halted. The dreams of expansion were over. In 1974, the International Atomic Energy Agency forecast that by 2000, nuclear power plants would have an annual capacity of 4.5 million megawatts. Today, 440 reactors provide 300,000 megawatts – a mere 2.5 percent of the world's energy needs.

It is estimated that the current number of reactors will exhaust uranium deposits in around 50 years. Without an immediate transition to fast-breeder reactors, which would make uranium stores last considerably longer, nuclear power plants will run out of fuel. If their number were to double, not one of the new reactors would be able to operate for more than 30 years.

But the history of fast-breeder reactors is a fiasco. Their high susceptibility to breakdown showed them to be unfit for commercial operation. If the industry does succeed in making this kind of reactor workable, the additional costs would be incalculable.

Our nuclear waste is a 100,000-year legacy. What political and economic order can remain stable for that length of time? There are four more important reasons for not returning to nuclear power. As asymmetrical conflicts intensify, the danger of nuclear terrorism increases around the world – in particular, the danger of missile attacks on reactors.

Nuclear reactors' enormous water requirements collide with the growing global water crisis and compete with the water needs of a growing world population. The surplus heat produced by nuclear plants is difficult to

## **\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

harness productively, which is why they are basically inefficient. And to be profitable, expensive nuclear power stations must operate at full capacity – something that is only possible if governments reverse their liberalization of electricity markets and guarantee the nuclear industry a share. The nuclear power economy is and always has been a state enterprise – sometimes openly acknowledged, sometimes hidden.

The most powerful argument against the nuclear renaissance, however, is the potential of renewable energies. There are already scenarios showing the possibility of supplying all our energy needs from renewables – using technologies that already exist. They form the basis of the latest speech by Al Gore, in which he calls for American electricity suppliers to make a complete switch to renewables within 10 years.

In the past 12 years, an electricity generating capacity of 30,000 megawatts has been created under Germany's Renewable Energies Act. In 2007 alone, new capacity grew so fast that it produced 15 billion kilowatt hours of electricity. That equals the annual output of two nuclear power plants.

If this initial rate were to continue for 25 years, Germany's electricity needs could be completely supplied by renewables. Germany has an area of about 350,000 square kilometers and a population of 81 million people. What can be done here, can be done anywhere.

On top of this, nothing can be implemented faster than the expansion of renewable energies in the existing central facilities.

Highly-centralized conventional power stations can be replaced by many smaller and mid-sized generation plants. A solar or wind-driven generator can be installed within a few days, while a nuclear power plant takes an average of 10 years to build. The argument that we should switch to nuclear energy to protect the environment because time is running out, is nonsense.

Nor does the final argument in favor of nuclear power hold true – namely, that it is needed because renewable energies from wind and solar sources are not constantly available. No power grid functions without alternatives and storage capacities. The same applies to nuclear power stations, which also have to be taken offline for differing lengths of time.

Of course, that is also true of renewables, which have to be made available as a mix derived from different renewable energy sources that complement each other. In addition, there are many different ways of storing energy, such as using hydrogen or compressed air. All renewables (with the exception of bioenergy) have the unique advantages of having no fuel costs and producing no emissions, of being available from local sources, and of leading to long-term energy security.

The cost of nuclear energy is rising inexorably, while that of renewables is falling steadily due to serial production and technological refinement. We must overcome the unjustified technology optimism surrounding nuclear energy as well as the shortsighted pessimism about renewables. It is time to pursue renewable energies just as ambitiously as nuclear power was once promoted. And renewables do not come with an incalculable risk. The place for nuclear energy in the future is the technology museum.

[www.german-times.com](http://www.german-times.com)

FPSC, CLK - CORRESPONDENCE

Administrative ☒ Parties ☐ Consumer ☐DOCUMENT NO. 06466-08

DISTRIBUTION: \_\_\_\_\_

**Kimberley Pena****From:** Kimberley Pena**Sent:** Tuesday, December 09, 2008 4:49 PM**To:** Office of Commissioner McMurrian**Cc:** Ann Cole; Kay Posey; Kelly McLanahan; Lois Graham; Steve Larson; Bill McNulty; Larry Harris; Lorena Holley; Roberta Bass; William C. Garner; Mark Futrell; Karen Belcher; Cindy Miller**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

Thank you. This information will be placed in Docket Correspondence - Parties and Interested Persons, in Docket No. 080503-EI, today.

Karen, Mark, and Cindy, I have updated the mailing list in this docket to include Harrimans Inc.

**From:** Carol Purvis **On Behalf Of** Ann Cole**Sent:** Tuesday, December 09, 2008 3:52 PM**To:** Kimberley Pena**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

*Done  
12/09/08  
KMP*

Please handle

**From:** Office of Commissioner McMurrian**Sent:** Tuesday, December 09, 2008 2:48 PM**To:** Ann Cole**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

Ann,

Please place this in the file for DN 080503-EI. Thank you.

Kay

**From:** Tom Harriman [mailto:Tom.Harrimans@verizon.net]**Sent:** Friday, November 28, 2008 11:34 PM**To:** Office of Commissioner Skop; Office of Commissioner McMurrian; Office Of Commissioner Edgar; Office of Commissioner Argenziano**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

To all, Please take a look at the new draft bill. My thought are what has been said below. We need your help in this new agenda. Its not new. Its what is is happening here in florida today. Thermal is what Florida does best. Thermal is the best value for the average citizen here. When you move forward consider this. Thank You for your time. Tom Harriman. Call me for stats on this. I'd be thrilled to speak with you on this issue. # 941-232-4867

**Thomas R. Harriman**

140 James St

Venice Fl 34285

941 488-4453

1 866 777-9276

[www.solarbyharrimans.com](http://www.solarbyharrimans.com)

[www.swimwarm.com](http://www.swimwarm.com)

12/9/2008




---

**From:** Tom Harriman [mailto:Tom.Harrimans@verizon.net]  
**Sent:** Friday, November 28, 2008 10:34 PM  
**To:** 'Chairman@psc.state.fl.us'  
**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

Mr. Carter, Please take a look at the numbers when you guys make your decision. Thermal is a very good value. It doesn't have the bling of PV, however it is very good for the state. Thanks Tom

Thomas R. Harriman  
 140 James St  
 Venice Fl 34285  
 941 488-4453  
 1 866 777-9276  
[www.solarbyharrimans.com](http://www.solarbyharrimans.com)  
[www.swimwarm.com](http://www.swimwarm.com)




---

**From:** roger@vbengineering.com [mailto:roger@vbengineering.com]  
**Sent:** Friday, November 28, 2008 2:28 PM  
**To:** Tom Harriman  
**Subject:** Re: Solar Alliance draft presentation for Dec 3rd

Tom,

Let me give a try at answering a few of your questions. The rest will need to be answered by someone else more familiar with DHW.

LCOE means levelized cost of energy. The idea is to create a level playing field where all energy sources can compete equally.

The reason that DHW is at 0.057 is **because** it outperforms PV in efficiency of converting sunlight into heat or the kWh equivalent of heat. It just doesn't run refrigerators very well. DHW is already close to grid parity, and that is one reason why it should be a very popular choice for the consumer. In fact, it is why we always recommend to our PV customers that they should also consider a solar water heater.

Roger

-----Original Message-----

**From:** Tom Harriman [mailto:Tom.Harrimans@verizon.net]  
**Sent:** Friday, November 28, 2008 01:29 PM  
**To:** "DeNapoli, Peter", "Wayne Wallace", roger@vbengineering.com, sgorman@tctsolar.com, roger@vbengineering.com, "Roy Ratner", "Mike Antheil", "John Burges", "Bill Gallagher", "Thomas J. Sutton"  
**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

To All, What does LCOE mean? Class One estimated numbers/ Why do they go down in 2011? Is the \$8 million DHW @ \$22 million numbers too low? Too high? Okay? .057 cents seems low for DHW for something that out performs PV. What if CSP or any other sector of the Class one fails to live up to their estimates #? Does it spill over into the other sectors? I hope someone can help me out on this as I'm trying to understand it. Thx, Tom

Thomas R. Harriman

12/9/2008

140 James St  
 Venice Fl 34285  
 941 488-4453  
 1 866 777-9276  
<http://www.solarbyharrimans.com/>  
<http://www.swimwarm.com/>




---

**From:** John Burges [mailto:burgesjohn@yahoo.com]  
**Sent:** Thursday, November 27, 2008 8:53 PM  
**To:** 'Steve Gorman'; 'DeNapoli,Peter'; 'Gerald Karnas'; 'Kellyn Eberhardt'; 'Mike Antheil'; 'Roy Ratner'; roger@vergonabowersox.com; 'Tom Harriman'; 'Thomas J. Sutton'  
**Cc:** 'Gladding, Nick'  
**Subject:** Solar Alliance draft presentation for Dec 3rd

Looks like they are going with the existing PSC rule with class 1 carve outs.  
 They want 15 yr standard offer contracts ? probably fixed price (unclear); pricing is ~ 21c for the REC for PV ; not sure if they add the energy at avoided cost or retail and presume the PV developer gets to sell energy too on an unbundled basis

The projected costs are probably then just the REC value ? not sure if they have adjusted for federal ITC, depreciation

I'll try to throw a few slides together for Jerry and Wayne for the meeting that explains the rule we drafted

**John Burges**  
 + 1 917 743 9416 (US)  
 + 1 941 309 5253 (US Office)

---

**From:** Tom Harriman [mailto:Tom.Harrimans@verizon.net]  
**Sent:** 26 November, 2008 8:13 PM  
**To:** 'John Burges'; 'Mike Antheil'; 'DeNapoli,Peter'  
**Subject:** FW: good report

Hey Guys, What program is this in? I can't open it. Any thoughts. Thx, Tom

Thomas R. Harriman  
 140 James St  
 Venice Fl 34285  
 941 488-4453  
 1 866 777-9276  
<http://www.solarbyharrimans.com/>  
<http://www.swimwarm.com/>




---

**From:** Steve Gorman [mailto:sgorman@tctsolar.com]  
**Sent:** Wednesday, November 26, 2008 1:22 PM  
**To:** 'Roy Ratner'; 'mike'; 'Michael Lockwood'; mfuturell@psc.state.fl.us; roger@vergonabowersox.com; rwilson577@aol.com; 'Ron Phillips'; yannb@agt.com  
**Cc:** 'Wayne Wallace'; Peter.DeNapoli@SolarWorldUSA.com; 'Frodo Haug'; onegreenflorida@gmail.com; 'Harald Kegelmann'; solarfitbillg@cfl.rr.com; 'Tom Harriman'; 'Alex Rivera'; 'Abbey Strauss []'; atwater.jeffrey.web@flsenate.gov;

12/9/2008



gofitzgo2008@yahoo.com; boyce@greentechmedia.com; johnhschisler@bellsouth.net; carl@diokoenergy.com;  
CRIDERJW@GRU.COM

**Subject:** RE: good report

This just in from SA.

Happy Thanksgiving to all,

Steve

Steven K. Gorman



101 Copeland Street  
Jacksonville, Florida 32204 USA  
904.358.3720  
[www.tctsolar.com](http://www.tctsolar.com)

---

**From:** Roy Ratner [mailto:rr@atlas-solar.com]  
**Sent:** Wednesday, November 26, 2008 10:08 AM  
**To:** 'mike'; 'Michael Lockwood'; mfutrell@psc.state.fl.us; roger@vergonabowersox.com; rwilson577@aol.com; 'Ron Phillips'; yannb@agt.com  
**Cc:** 'Wayne Wallace'; Peter.DeNapoli@SolarWorldUSA.com; 'Frodo Haug'; onegreenflorida@gmail.com; 'Harald Kegelmann'; solarfitbillg@cfl.rr.com; 'Steve Gorman'; 'Tom Harriman'; 'Alex Rivera'; Abbey Strauss []; atwater.jeffrey.web@flsenate.gov; gofitzgo2008@yahoo.com; boyce@greentechmedia.com; johnhschisler@bellsouth.net; carl@diokoenergy.com; CRIDERJW@GRU.COM  
**Subject:** good report

Highly recommended report to read, great information

Thank You,

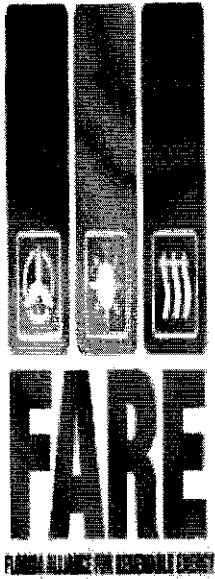
Roy Ratner



**ATLAS SOLAR INNOVATIONS**  
**2640 N.W. 15TH. CT.**  
**POMPANO BEACH, FL. 33069**  
**<http://www.atlas-solar.com/>**

**P. 1-877-299-SOLAR**  
**P. 1-954-917-4360**  
**F. 1-954-917-8038**  
**C. 1-954-822-1164**  
**EMAIL: [rr@atlas-solar.com](mailto:rr@atlas-solar.com)**

12/9/2008



[WWW.FAREENERGY.ORG](http://WWW.FAREENERGY.ORG)

Kimberley Pena 080503

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

**From:** Kimberley Pena  
**Sent:** Tuesday, December 09, 2008 4:16 PM  
**To:** Office of Commissioner McMurrian  
**Cc:** Ann Cole; Kay Posey; Kelly McLanahan; Lois Graham; Steve Larson; Bill McNulty; Larry Harris; Lorena Holley; Roberta Bass; William C. Garner; Karen Webb; Mark Futrell; Cindy Miller  
**Subject:** FW: RPS targets new direction  
**Attachments:** My name is Roy Ratner 2.docx

Thank you. This information will be placed in Docket Correspondence - Parties and Interested Persons, in Docket No. 080503-EI, today.

Karen, Mark, and Cindy, I have updated Mr. Ratner's entry in the mailing list to Atlas Solar Innovations/FARE.

---

**From:** Carol Purvis **On Behalf Of** Ann Cole  
**Sent:** Tuesday, December 09, 2008 3:52 PM  
**To:** Kimberley Pena  
**Cc:** Ann Cole  
**Subject:** FW: RPS targets new direction

*q/jone  
12/09/08  
Kmf*

Please handle

---

**From:** Office of Commissioner McMurrian  
**Sent:** Tuesday, December 09, 2008 2:53 PM  
**To:** Ann Cole  
**Subject:** FW: RPS targets new direction

Ann,

Please place this in the file for DN 080503-EI. Thank you.

Kay

---

**From:** Roy Ratner [mailto:rr@atlas-solar.com]  
**Sent:** Monday, December 08, 2008 3:48 PM  
**To:** Office of Commissioner McMurrian  
**Cc:** 'mike'  
**Subject:** RPS targets new direction

Hello Commissioner McMurrian,  
 I have attended the last three PSC workshops on the RPS. I would really appreciate it if you would read this letter, we need help with this policy direction and it is the right thing to do for the state of Florida.

Thank You,

Roy Ratner

12/9/2008



My name is Roy Ratner, and I represent Atlas Solar Innovations and the Florida Alliance for Renewable Energy - (FARE).

Atlas Solar Innovations is a subsidiary of All Atlas Roofing of South Florida. We are distributors, designers and installers of Photovoltaic (PV), Domestic Hot Water (DHW), and Solar pool heating Systems for both residential and commercial properties. We cofounded the Florida Alliance for Renewable Energy - (FARE) for the promotion of renewable energy policies that will permit every individual, business and organization in the state of Florida the opportunity to become independent producers and sellers of all forms of renewable energy. We are very committed to be a part of this movement toward a healthy environment, future energy independence, and economic prosperity for the state of Florida.

Our Association endorses and promotes the adoption of the renewable energy policy that is proven to be the most successful and efficient renewable energy policy in the world. This policy mechanism is responsible for 50% of the world's renewable energy deployment in the past few years. Currently 45 countries worldwide utilize this simple, transparent policy. By adopting this policy, Floridians will be able to deliver renewable energy more rapidly and for less cost by including the participation of everyone; homeowners, business owners, churches, schools, farmers and others. Currently Hawaii, Oregon, California, Illinois, Minnesota, Michigan, Rhode Island and the city of Gainesville Florida are in the process of adopting this policy mechanism.

Germany, the first European country to implement this policy, is a great example of this renewable energy deployment success.

As a direct result of this policy, renewable energy accounts for 14% of Germany's energy supply as of 2007. They are targeting 27% by 2020, and 45% by 2030. They have 70,000 employed in the wind industry, 50,000 employed in the PV industry, 8,000 employed in the biogas industry. With a total of 250,000 people employed in the renewable energy industry. Germany's policy success produces a \$30 billion turnover and a net benefit of \$9 billion annually. This simple policy levels the playing field for all producers and sellers of renewable energy.

It is imperative that we participate in the environmental and economic gift that renewable energy gives us.

We have the opportunity to create a widespread home-grown industry, the chance to spare the environment further damage, create thousands of local jobs, collect millions in local revenue, and establish Floridian generated energy independence.

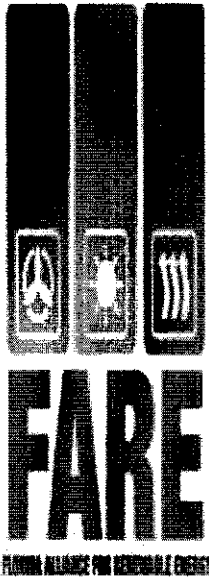
Do not let Florida miss this renewable energy boom, bring it home, and bring it to Florida. At The Florida Alliance for Renewable Energy we firmly endorse the policy of Renewable Energy Payments (REP's) also known as Feed-in Tariffs (FIT's) to be the single most effective way to achieve widespread rapid deployment of renewable energy in Florida. Please join us and help others to understand the necessity of this policy adoption for the future of state of Florida @ [www.farenergy.org](http://www.farenergy.org).

Thank you,  
Roy Ratner  
Atlas Solar Innovations 1-877-299-Solar  
[www.Atlas-solar.com](http://www.Atlas-solar.com)  
[rr@Atlas-solar.com](mailto:rr@Atlas-solar.com)



**ATLAS SOLAR INNOVATIONS**  
**2640 N.W. 15TH. CT.**  
**POMPANO BEACH, FL. 33069**  
**[www.atlas-solar.com](http://www.atlas-solar.com)**

**P. 1-877-299-SOLAR**  
**P. 1-954-917-4360**  
**F. 1 -954-917-8038**  
**C. 1-954-822-1164**  
**EMAIL: [rr@atlas-solar.com](mailto:rr@atlas-solar.com)**



**[WWW.FAREENERGY.ORG](http://WWW.FAREENERGY.ORG)**



**Dorothy Menasco**

**From:** Filings@psc.state.fl.us  
**Sent:** Monday, December 08, 2008 5:47 PM  
**To:** 'lisa.Stright@pgnmail.com'  
**Cc:** Ruth Nettles; Kimberley Pena  
**Subject:** FW: PEF's Post-Workshop Comments - Dkt# 080503-EI  
**Attachments:** Document.pdf

**FPSC, CLK - CORRESPONDENCE**  
 \_\_\_Administrative\_\_\_ ☒ **Parties** \_\_\_Consumer\_\_\_  
**DOCUMENT NO.** 080503-08  
**DISTRIBUTION:** \_\_\_\_\_

Ms. Stright:

We are in receipt of your attached e-filing. Please note that, per the Commission's e-filing requirements, documents are to include an official signature. Your document will need to be revised and resubmitted to be considered an official filing.

Manner of Electronic Transmission:

- Documents shall be signed by typing "s/" followed by the signatory:  
 s/ First M. Last
- The acknowledgment indicates the document has been received, but does not confirm the document meets the requirements for electronic filing.

A link to the Commission's e-filing requirements is included for your convenience:

<http://www.psc.state.fl.us/dockets/e-filings/>

Please call our office if you have any questions.

*Dorothy Menasco*

*FPSC*

*Office of Commission Clerk*

*850-413-6770*

---

**From:** Stright, Lisa [mailto:Lisa.Stright@pgnmail.com]  
**Sent:** Monday, December 08, 2008 4:12 PM  
**To:** Filings@psc.state.fl.us  
**Cc:** Burnett, John  
**Subject:** PEF's Post-Workshop Comments - Dkt# 080503-EI

**This electronic filing is made by:**

**John T. Burnett**  
**299 First Avenue North**  
**St. Petersburg, FL 33733**  
**(727) 820-5184**  
**[john.burnett@pgnmail.com](mailto:john.burnett@pgnmail.com)**

**Docket No. 080503-EI**

**On behalf of Progress Energy Florida**

12/8/2008

**Consisting of 1 page.**

**The attached document for filing is PEF's  
Post-Workshop Comments to the 12/3/08 RPS  
Workshop pertaining to the Draft RPS Rule.**

*Lisa Stright*

Regulatory Analyst - Legal Dept.

Progress Energy Svc Co.

106 E. College Ave., Suite 800

Tallahassee, FL 32301

direct line: (850) 521-1425

[lisa.stright@pgnmail.com](mailto:lisa.stright@pgnmail.com)

12/8/2008

**Dorothy Menasco**

**From:** Filings@psc.state.fl.us  
**Sent:** Monday, December 08, 2008 12:28 PM  
**To:** 'jdean@weldon-dean.com'  
**Cc:** Ruth Nettles; Kimberley Pena; Cindy Miller  
**Subject:** FW: Post Workshop Comments of the FPPA -- Docket 080503-EI  
**Attachments:** Dec3PostWorkshopCommentstoPSC.pdf

FPSC, CLK - CORRESPONDENCE  
 \_\_\_Administrative\_\_\_ ☒ Parties \_\_\_Consumer\_\_\_  
 DOCUMENT NO. De466-08  
 DISTRIBUTION: \_\_\_\_\_

Mr. Dean:

We are in receipt of your filing below. However, this filing is not eligible for electronic filing. Please see e-filing requirements on the PSC webpage at: <http://www.psc.state.fl.us/dockets/e-filings/> Specifically:

**E-Mail Transmitting an Electronically Filed Document**

- The e-mail message transmitting the document(s) to be filed is not itself considered a filing. Therefore, documents contained within the text of an e-mail transmission will not be considered filed.
- Multiple documents may be attached to the same e-mail transmittal. However, any cover letter or certificate of service must be included in the electronic document to which it relates, and shall not be submitted as a separate attachment to the e-mail.

**Manner of Electronic Transmission:**

- Documents shall be signed by typing "s/" followed by the signatory:

s/ First M. Last

Your filing will need to be revised and resubmitted in order to be officially accepted for filing.

Please feel free to call our office if you have any questions.

*Dorothy Menasco*  
 FPSC  
 Office of Commission Clerk  
 850-413-6770

---

**From:** Jim Dean [mailto:jdean@weldon-dean.com]  
**Sent:** Monday, December 08, 2008 12:15 PM  
**To:** Filings@psc.state.fl.us  
**Subject:** FW: Post Workshop Comments of the FPPA -- Docket 080503-EI

---

**From:** Jim Dean [mailto:jdean@weldon-dean.com]  
**Sent:** Sunday, December 07, 2008 5:42 PM  
**To:** 'filings@psc.state.fl.us'  
**Subject:** Post Workshop Comments of the FPPA -- Docket 080503-EI

12/8/2008

**This electronic filing is made by:**

**James W. Dean  
2227 Shirley Ann Ct  
Tallahassee, FL 32308  
850-980-6028**

**In Docket No. 080503-EI**

**On behalf of the Florida Pulp and Paper Association (FPPA)**

**Attachment is 5 pages (PDF format) and is the Post Dec. 3, 2008 Workshop Comments of the FPPA with Respect to Establishing a Renewable Portfolio Standard Rule.**

Regards,

***s/James W. Dean***

Weldon-Dean Associates  
2227 Shirley Ann Ct  
Tallahassee, FL 32308-6133  
T 850-980-6028  
[jdean@weldon-dean.com](mailto:jdean@weldon-dean.com)

12/8/2008

**Dorothy Menasco**

**From:** Filings@psc.state.fl.us  
**Sent:** Monday, December 08, 2008 11:58 AM  
**To:** 'jdean@weldon-dean.com'  
**Cc:** Kimberley Pena; Ruth Nettles; Cindy Miller  
**Subject:** FW: Post Workshop Comments of the FPPA -- Docket 080503-EI  
**Attachments:** Dec3PostWorkshopCommentstoPSC.pdf

**FPSC, CLK - CORRESPONDENCE**  
 \_\_\_Administrative\_\_\_ ☒ **Parties** \_\_\_Consumer\_\_\_  
**DOCUMENT NO.** DL64166-08  
**DISTRIBUTION:** \_\_\_\_\_

Mr. Dean:

We are in receipt of your attached e-filing. Please note that, per the Commission's e-filing requirements, documents are to include an official signature. Your document will need to be revised and resubmitted to be considered an official filing.

**Manner of Electronic Transmission:**

- Documents shall be signed by typing "s/" followed by the signatory:

s/ First M. Last

- The acknowledgment indicates the document has been received, but does not confirm the document meets the requirements for electronic filing.

A link to the Commission's e-filing requirements is included for your convenience:

<http://www.psc.state.fl.us/dockets/e-filings/>

Please call our office if you have any questions.

*Dorothy Menasco*

*FPSC*

*Office of Commission Clerk*

*850-413-6770*

---

**From:** Jim Dean [mailto:jdean@weldon-dean.com]  
**Sent:** Sunday, December 07, 2008 5:42 PM  
**To:** Filings@psc.state.fl.us  
**Subject:** Post Workshop Comments of the FPPA -- Docket 080503-EI

**This electronic filing is made by:**

**James W. Dean**  
**2227 Shirley Ann Ct**  
**Tallahassee, FL 32308**  
**850-980-6028**

**In Docket No. 080503-EI**

**On behalf of the Florida Pulp and Paper Association (FPPA)**

12/8/2008



**Attachment is 5 pages (PDF format) and is the Post Dec. 3, 2008 Workshop Comments of the FPPA with Respect to Establishing a Renewable Portfolio Standard Rule.**

Regards,

***Jim Dean***

Weldon-Dean Associates  
2227 Shirley Ann Ct  
Tallahassee, FL 32308-6133  
T 850-980-6028  
[jidean@weldon-dean.com](mailto:jidean@weldon-dean.com)

12/8/2008

**Kimberley Pena** 080503

**From:** Kimberley Pena  
**Sent:** Wednesday, December 03, 2008 9:15 AM  
**To:** 'The Altmans'; Karen Webb  
**Cc:** 'Lee Hayes Byron'; Mark Futrell; Cindy Miller  
**Subject:** FW: Input into PSC deliberations on Docket #080503  
**Attachments:** Sarasota County Task Force on Solar Hot Water Heating letter to PSC 12308.doc

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

Mr. Altman, the Office of Commission Clerk has forwarded your e-mail and attached letter to the PSC staff assigned to the workshop. We have also added you to the mailing list, as an interested person, in Docket 080503-EI, Establishment of rule on renewable portfolio standard.

Thank you for contacting the Florida Public Service Commission.

Kimberley M. Peña  
 Chief Deputy Commission Clerk  
 Office of Commission Clerk  
 Florida Public Service Commission  
 2540 Shumard Oak Blvd.  
 Tallahassee, FL 32399-0850  
 (850) 413-6770

*Done  
 12/03/08  
 KMP*

---

**From:** The Altmans [mailto:ljaltman@verizon.net]  
**Sent:** Tuesday, December 02, 2008 9:12 PM  
**To:** Filings@psc.state.fl.us  
**Cc:** 'Lee Hayes Byron'  
**Subject:** Input into PSC deliberations on Docket #080503

Dear Ms. Cole,

Please deliver the attached document to the PSC to be used in the December 3, 2008 Rule Making Session for Docket #080503

Sincerely,

Lawrence J. Altman, Ph.D.  
 Chairman, Sarasota County Task Force on Solar Hot Water Heating

12/3/2008

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena**

---

**From:** postmaster@PSCSMTPSrvr  
**Sent:** Wednesday, December 03, 2008 9:15 AM  
**To:** Kimberley Pena  
**Subject:** Delivery Status Notification (Relay)

**Attachments:** ATT926964.txt; FW: Input into PSC deliberations on Docket #080503



ATT926964.txt FW: Input into  
(280 B) 'SC deliberatio..

*This is an automatically generated Delivery Status Notification.*

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

lhbyron@scgov.net

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena**

---

**From:** System Administrator  
**To:** ljaltman@verizon.net  
**Sent:** Wednesday, December 03, 2008 9:15 AM  
**Subject:** Delivered: Delivery Notification: Delivery has been successful

Your message

**To:** The Altmans; Karen Webb  
**Cc:** Lee Hayes Byron; Mark Futrell; Cindy Miller  
**Subject:** FW: Input into PSC deliberations on Docket #080503  
**Sent:** 12/3/2008 9:15 AM

was delivered to the following recipient(s):

ljaltman@verizon.net on 12/3/2008 9:15 AM

## FPSC, CLK - CORRESPONDENCE

Administrative ☒ Parties ☐ Consumer ☐DOCUMENT NO. D6466-08

DISTRIBUTION: \_\_\_\_\_

**Ann Cole**

**From:** Ann Cole  
**Sent:** Tuesday, December 02, 2008 8:13 AM  
**To:** Office of Commissioner Skop  
**Cc:** Administrative Assistants - Commission Suite; Commissioners Advisors  
**Subject:** RE: Solar Alliance draft presentation for Dec 3rd

Thank you for this information, which will be placed in *Docket Correspondence-Parties and Interested Persons*, in Docket No. 080503-EI

---

**From:** Office of Commissioner Skop  
**Sent:** Monday, December 01, 2008 5:33 PM  
**To:** Ann Cole  
**Cc:** Larry Harris; Roberta Bass; William C. Garner; Lorena Holley  
**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

Ann,

Please place in the correspondence side of the docket file in Docket No. 080503-EI.

Thanks,  
Bill

*Bill McNulty*  
Chief Advisor to Commissioner Skop  
Florida Public Service Commission  
(850) 413-6028 (office)  
(850) 413-6029 (fax)  
[bmcnulty@psc.state.fl.us](mailto:bmcnulty@psc.state.fl.us)

---

**From:** Tom Harriman [<mailto:Tom.Harrimans@verizon.net>]  
**Sent:** Friday, November 28, 2008 11:34 PM  
**To:** Office of Commissioner Skop; Office of Commissioner McMurrian; Office Of Commissioner Edgar; Office of Commissioner Argenziano  
**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

To all, Please take a look at the new draft bill. My thought are what has been said below. We need your help in this new agenda. Its not new.Its what is is happening here in florida today.Thermal is what Florida does best. Thermal is the best value for the average citizen here.When you move forward consider this. Thank You for your time. Tom Harriman. Call me for stats on this.I'd be thrilled to speak with you on this issue. # 941-232-4867

Thomas R. Harriman  
140 James St  
Venice Fl 34285  
941 488-4453  
1 866 777-9276  
[www.solarbyharrimans.com](http://www.solarbyharrimans.com)

12/2/2008



[www.swimwarm.com](http://www.swimwarm.com)




---

**From:** Tom Harriman [mailto:Tom.Harrimans@verizon.net]  
**Sent:** Friday, November 28, 2008 10:34 PM  
**To:** 'Chairman@psc.state.fl.us'  
**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

Mr.Carter, Please take a look at the numbers when you guys make your decision. Thermal is a very good value. It doesn't have the bling of PV,however it is very good for the state. Thanks Tom

Thomas R. Harriman  
 140 James St  
 Venice Fl 34285  
 941 488-4453  
 1 866 777-9276  
[www.solarbyharrimans.com](http://www.solarbyharrimans.com)  
[www.swimwarm.com](http://www.swimwarm.com)




---

**From:** roger@vbengineering.com [mailto:roger@vbengineering.com]  
**Sent:** Friday, November 28, 2008 2:28 PM  
**To:** Tom Harriman  
**Subject:** Re: Solar Alliance draft presentation for Dec 3rd

Tom,

Let me give a try at answering a few of your questions. The rest will need to be answered by someone else more familiar with DHW.

LCOE means levelized cost of energy. The idea is to create a level playing field where all energy sources can compete equally.

The reason that DHW is at 0.057 is **because** it outperforms PV in efficiency of converting sunlight into heat or the kWh equivalent of heat. It just doesn't run refrigerators very well. DHW is already close to grid parity, and that is one reason why it should be a very popular choice for the consumer. In fact, it is why we always recommend to our PV customers that they should also consider a solar water heater.

Roger

-----Original Message-----

**From:** Tom Harriman [mailto:Tom.Harrimans@verizon.net]  
**Sent:** Friday, November 28, 2008 01:29 PM  
**To:** "DeNapoli,Peter", "Wayne Wallace", roger@vbengineering.com, sgorman@tctsolar.com, roger@vbengineering.com, "Roy Ratner", "Mike Antheil", "John Burges", "Bill Gallagher", "Thomas J. Sutton"  
**Subject:** FW: Solar Alliance draft presentation for Dec 3rd

12/2/2008

To All, What does LCOE mean? Class One estimated numbers/ Why do they go down in 2011? Is the \$8 million DHW @ \$22 million numbers too low? Too high? Okay? .057 cents seems low for DHW for something that out performs PV. What if CSP or any other sector of the Class one fails to live up to their estimates #? Does it spill over into the other sectors? I hope someone can help me out on this as I'm trying to understand it. Thx, Tom

**Thomas R. Harriman**

140 James St

Venice Fl 34285

941 488-4453

1 866 777-9276

<http://www.solarbyharrimans.com/>

<http://www.swimwarm.com/>




---

**From:** John Burges [mailto:burgesjohn@yahoo.com]

**Sent:** Thursday, November 27, 2008 8:53 PM

**To:** 'Steve Gorman'; 'DeNapoli,Peter'; 'Gerald Karnas'; 'Kellyn Eberhardt'; 'Mike Antheil'; 'Roy Ratner'; roger@vergonabowersox.com; 'Tom Harriman'; 'Thomas J. Sutton'

**Cc:** 'Gladding, Nick'

**Subject:** Solar Alliance draft presentation for Dec 3rd

Looks like they are going with the existing PSC rule with class 1 carve outs.

They want 15 yr standard offer contracts ? probably fixed price (unclear); pricing is ~ 21c for the REC for PV ; not sure if they add the energy at avoided cost or retail and presume the PV developer gets to sell energy too on an unbundled basis

The projected costs are probably then just the REC value ? not sure if they have adjusted for federal ITC, depreciation

I'll try to throw a few slides together for Jerry and Wayne for the meeting that explains the rule we drafted

**John Burges**

+ 1 917 743 9416 (US)

+ 1 941 309 5253 (US Office)

---

**From:** Tom Harriman [mailto:Tom.Harrimans@verizon.net]

**Sent:** 26 November, 2008 8:13 PM

**To:** 'John Burges'; 'Mike Antheil'; 'DeNapoli,Peter'

**Subject:** FW: good report

Hey Guys, What program is this in? I can't open it. Any thoughts. Thx, Tom

**Thomas R. Harriman**

140 James St

Venice Fl 34285

941 488-4453

1 866 777-9276

<http://www.solarbyharrimans.com/>

<http://www.swimwarm.com/>

12/2/2008



**From:** Steve Gorman [mailto:sgorman@tctsolar.com]  
**Sent:** Wednesday, November 26, 2008 1:22 PM  
**To:** 'Roy Ratner'; 'mike'; 'Michael Lockwood'; mfutrell@psc.state.fl.us; roger@vergonabowersox.com; rwilson577@aol.com; 'Ron Phillips'; yannb@agt.com  
**Cc:** 'Wayne Wallace'; Peter.DeNapoli@SolarWorldUSA.com; 'Frodo Haug'; onegreenflorida@gmail.com; 'Harald Kegelmann'; solarfitbillg@cfl.rr.com; 'Tom Harriman'; 'Alex Rivera'; 'Abbey Strauss []'; atwater.jeffrey.web@flsenate.gov; gofitzgo2008@yahoo.com; boyce@greentechmedia.com; johnhschisler@bellsouth.net; carl@diokoenergy.com; CRIDERJW@GRU.COM  
**Subject:** RE: good report

This just in from SA.

Happy Thanksgiving to all,

Steve

Steven K. Gorman



101 Copeland Street  
 Jacksonville, Florida 32204 USA  
 904.358.3720  
[www.tctsolar.com](http://www.tctsolar.com)

**From:** Roy Ratner [mailto:rr@atlas-solar.com]  
**Sent:** Wednesday, November 26, 2008 10:08 AM  
**To:** 'mike'; 'Michael Lockwood'; mfutrell@psc.state.fl.us; roger@vergonabowersox.com; rwilson577@aol.com; 'Ron Phillips'; yannb@agt.com  
**Cc:** 'Wayne Wallace'; Peter.DeNapoli@SolarWorldUSA.com; 'Frodo Haug'; onegreenflorida@gmail.com; 'Harald Kegelmann'; solarfitbillg@cfl.rr.com; 'Steve Gorman'; 'Tom Harriman'; 'Alex Rivera'; 'Abbey Strauss []'; atwater.jeffrey.web@flsenate.gov; gofitzgo2008@yahoo.com; boyce@greentechmedia.com; johnhschisler@bellsouth.net; carl@diokoenergy.com; CRIDERJW@GRU.COM  
**Subject:** good report

Highly recommended report to read, great information

Thank You,

Roy Ratner

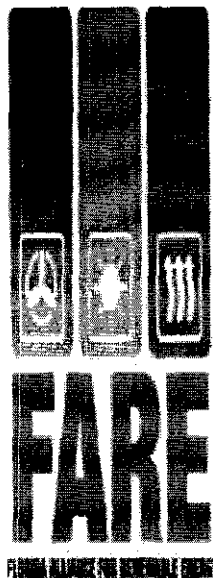


**ATLAS SOLAR INNOVATIONS**

12/2/2008

**2640 N.W. 15TH. CT.**  
**POMPANO BEACH, FL. 33069**  
**<http://www.atlas-solar.com/>**

**P. 1-877-299-SOLAR**  
**P. 1-954-917-4360**  
**F. 1 -954-917-8038**  
**C. 1-954-822-1164**  
**EMAIL: [rr@atlas-solar.com](mailto:rr@atlas-solar.com)**



**WWW.FAREENERGY.ORG**

**Kimberley Pena**

080503

**From:** Kimberley Pena  
**Sent:** Tuesday, November 25, 2008 1:01 PM  
**To:** 'Charlie Howland'  
**Cc:** Karen Webb; Mark Futrell; Cindy Miller; JoAnn Chase  
**Subject:** RE: Docket No. - 080503 - Commission's consideration of how to implement a Renewable Portfolio Standard

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION:		

Mr. Howland, per this e-mail we have added you as an interested person in docket 080503. Please let me know if I can be of further help.

Karen, please see below for your records.

Thank you for contacting the Florida Public Service Commission.

Kimberley M. Peña  
 Chief Deputy Commission Clerk  
 Office of Commission Clerk  
 Florida Public Service Commission  
 2540 Shumard Oak Blvd.  
 Tallahassee, FL 32399-0850  
 (850) 413-6770

*Done*  
*11/25/08*  
*KMP*

---

**From:** Charlie Howland [mailto:charlie@pennrealestategroup.com]  
**Sent:** Tuesday, November 25, 2008 10:35 AM  
**To:** Filings@psc.state.fl.us  
**Subject:** Docket No. - 080503 - Commission's consideration of how to implement a Renewable Portfolio Standard

Please add my name to the list of Interested Parties for this proceeding, on behalf of Penn Energy Trust, LLC.

Thank you.

Charles B. Howland, Esq.  
 Penn Energy Trust, LLC  
 Pencoyd Ironworks Building  
 620 Righters Ferry Road  
 Bala Cynwyd, PA 19004  
 Tel: (610) 668-0300  
[charlie@pennenergytrust.com](mailto:charlie@pennenergytrust.com)

11/25/2008



**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena**

---

**From:** postmaster@PSCSMTPSrvr  
**Sent:** Tuesday, November 25, 2008 1:01 PM  
**To:** Kimberley Pena  
**Subject:** Delivery Status Notification (Relay)

**Attachments:** ATT188698.txt; RE: Docket No. - 080503 - Commission's consideration of how to implement a Renewable Portfolio Standard



ATT188698.txt RE: Docket No.  
(295 B) 080503 - Comm

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

charlie@pennrealestategroup.com

Kimberley Pena 080503

**From:** Rhonda Roff [marshmaid@gmail.com]  
**Sent:** Tuesday, November 18, 2008 10:10 PM  
**To:** Records Clerk  
**Subject:** Docket 080503-EI

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06464-08		
DISTRIBUTION:		

Please add me to the Interested Parties list for the above referenced docket regarding the RPS Rule.  
Thank you in advance.

Rhonda Roff, President Save It Now, Glades!  
PO Box 1953  
Clewiston, FL 33440  
[www.saveitnowglades.org](http://www.saveitnowglades.org)  
863-983-4639

"It is difficult to get a man to  
understand something, when his job depends on his not understanding  
it." Upton Sinclair

*Done*  
*11/19/08*  
*Kmp*

11/19/2008

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena** 080503

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

**From:** Kimberley Pena  
**Sent:** Friday, November 14, 2008 1:24 PM  
**To:** Cindy Miller; Mark Futrell; Karen Webb  
**Subject:** 080503 mailing list update

I have made this revision to the mailing list. Please note that I deleted entry of CHELCO (1) and renamed 2nd entry from CHELCO (2) to CHELCO. Please let me know if you have any questions.

-----Original Message-----

**From:** Ruth McHargue  
**Sent:** Wednesday, November 12, 2008 9:29 AM  
**To:** Kimberley Pena  
**Subject:** FW: My contact

Should you get this request?  
Ruth

-----Original Message-----

**From:** Consumer Contact  
**Sent:** Friday, November 07, 2008 1:04 PM  
**To:** Ruth McHargue  
**Subject:** FW: My contact

*Done  
11/14/08  
KMP*

To CLK

-----Original Message-----

**From:** Webmaster  
**Sent:** Friday, November 07, 2008 12:33 PM  
**To:** Consumer Contact  
**Subject:** FW: My contact

-----Original Message-----

**From:** contact@psc.state.fl.us [mailto:contact@psc.state.fl.us]  
**Sent:** Friday, November 07, 2008 11:26 AM  
**To:** Webmaster  
**Cc:** ahart@chelco.com  
**Subject:** My contact

Contact from a Web user

Contact Information:

**Name:** Amy Hart  
**Company:** CHELCO  
**Primary Phone:** 850-892-2111  
**Secondary Phone:**

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

Email: ahart@chelco.com

Response requested? Yes

CC Sent? Yes

Comments:

Please remove Brett Shaw from your mailing list. He is no longer employed with our company. Thank you.

# **\*\*CLK OFFICIAL DOCUMENT...\*\***

**Kimberley Pena**

---

**From:** Nonnye Grant  
**Sent:** Thursday, October 30, 2008 8:25 AM  
**To:** Kimberley Pena  
**Cc:** Ruth McHargue  
**Subject:** RE: My contact

Kim, just confirming that Mr. Brett Shaw is not listed in MCD. We show all mail goes to Mr. James Smith and Main contact person is Mr. Wayne Thompson. By the way, CHELCO stands for Choctawhatchee Electric Coop., Inc. (EC902.) The only way I found the name was by the phone number Ms. Hart listed. Thanks, N

-----Original Message-----

**From:** Kimberley Pena  
**Sent:** Thursday, October 30, 2008 7:46 AM  
**To:** Ruth McHargue; Nonnye Grant  
**Subject:** RE: My contact

We will handle it. Thank you.

Ms. Nonnye, MCD change.

-----Original Message-----

**From:** Ruth McHargue  
**Sent:** Wednesday, October 29, 2008 4:39 PM  
**To:** Kimberley Pena  
**Subject:** FW: My contact

Please review and advise.

Thanks,  
Ruth

-----Original Message-----

**From:** Consumer Contact  
**Sent:** Wednesday, October 29, 2008 4:25 PM  
**To:** Ruth McHargue  
**Subject:** FW: My contact

To CLK

-----Original Message-----

**From:** Webmaster  
**Sent:** Wednesday, October 29, 2008 3:35 PM  
**To:** Consumer Contact  
**Subject:** FW: My contact

-----Original Message-----



**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

From: contact@psc.state.fl.us [mailto:contact@psc.state.fl.us]  
Sent: Wednesday, October 29, 2008 3:28 PM  
To: Webmaster  
Cc: ahart@chelco.com  
Subject: My contact

Contact from a Web user

Contact Information:

Name: Amy Hart  
Company: CHELCO  
Primary Phone: 850-892-2111  
Secondary Phone:  
Email: ahart@chelco.com

Response requested? Yes  
CC Sent? Yes

Comments:

Please remove Brett Shaw from your mailing list. He is no longer with our company. Please email me a confirmation that you have received this request.

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

Kimberley Pena 080503

From: Kimberley Pena  
Sent: Friday, November 14, 2008 10:37 AM  
To: Cindy Miller  
Cc: Mark Futrell; Karen Webb  
Subject: RE: Renewable energy

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

Per this email, we will add. Thanks.

-----Original Message-----

From: Cindy Miller  
Sent: Friday, November 14, 2008 10:13 AM  
To: Kimberley Pena  
Subject: RE: Renewable energy

Please add. Thanks, Kim.

-----Original Message-----

From: Kimberley Pena  
Sent: Friday, November 14, 2008 10:13 AM  
To: Karen Webb; Mark Futrell; Cindy Miller  
Subject: FW: Renewable energy

*Done*  
*11/13/08*  
*KMP*

Consumer correspondence. Please let me know if you would like us to add in mailing list as interested person.

-----Original Message-----

From: Ruth McHargue  
Sent: Wednesday, November 12, 2008 9:33 AM  
To: Ruth Nettles  
Cc: Kimberley Pena  
Subject: Renewable energy

Please add to docket file.

-----Original Message-----

From: Webmaster  
Sent: Monday, November 10, 2008 2:59 PM  
To: Consumer Contact  
Subject: FW: My contact

-----Original Message-----

From: contact@psc.state.fl.us [mailto:contact@psc.state.fl.us]  
Sent: Monday, November 10, 2008 2:52 PM  
To: Webmaster  
Subject: My contact

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

Contact from a Web user

Contact Information:

Name: Sarah Stewart

Company: independent

Primary Phone: 904-849-7098

Secondary Phone:

Email: Sarah.rose.stewart@hotmail.com

Response requested? No

CC Sent? No

Comments:

I support the 20% or greater renewable Portfolio Standard of 2020 as recommended by Governor Crist in Executive Order 07-127

**Nonnye Grant**

080503

**From:** Kimberley Pena  
**Sent:** Monday, November 10, 2008 3:28 PM  
**To:** 'RWDODD@southernco.com'  
**Cc:** Nonnye Grant

**Subject:** FW: Order or Notice issued by the Public Service Commission (Email ID = 211827)

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

Mr. Dodd, per this email, we will update. We will contact you if we need further information.

Thank you for contacting the Florida Public Service Commission.

Kimberley M. Peña  
 Chief Deputy Commission Clerk  
 Office of Commission Clerk  
 Florida Public Service Commission  
 2540 Shumard Oak Blvd.  
 Tallahassee, FL 32399-0850  
 (850) 413-6770

*Done  
 11/12/08  
 KMP*

---

**From:** Commission Clerk  
**Sent:** Monday, November 10, 2008 3:07 PM  
**To:** Kimberley Pena  
**Subject:** FW: Order or Notice issued by the Public Service Commission (Email ID = 211827)

This was received in the rarfax mailbox in reference to a Notice of Conference Call issued in docket 080503 on 11.

---

**From:** Dodd, Richard W. [mailto:RWDODD@southernco.com]  
**Sent:** Monday, November 10, 2008 9:59 AM  
**To:** Commission Clerk  
**Subject:** FW: Order or Notice issued by the Public Service Commission (Email ID = 211827)

To Whom It May Concern:

I have replaced Rhonda Martin as Gulf Power's Rates and Regulatory Matters Supervisor. Could I be added to the email distribution list that Rhonda is on that is notifying her of FPSC items such as the one in the email below?

Thank you,

**Rich Dodd**  
*Rates & Regulatory Matters Supervisor*  
*Gulf Power Company*  
 phone 850-444-6253  
 fax 850-444-6026  
 e-mail RWDODD@Southernco.com

---

**From:** Martin, Rhonda J.

11/12/2008

**Sent:** Monday, November 10, 2008 8:56 AM

**To:** Dodd, Richard W.

**Subject:** RE: Order or Notice issued by the Public Service Commission (Email ID = 211827)

Not that I'm aware of. I never subscribed to anything. I just started receiving emails directly from them.

---

**From:** Dodd, Richard W.

**Sent:** Sunday, November 09, 2008 9:55 PM

**To:** Martin, Rhonda J.

**Subject:** RE: Order or Notice issued by the Public Service Commission (Email ID = 211827)

Is there an FPSC email distribution/notification service that I should subscribe to so that I begin getting these emails that you receive?

Thanks,

**Rich Dodd**

*Rates & Regulatory Matters Supervisor*

*Gulf Power Company*

*phone 850-444-6253*

*fax 850-444-6026*

*e-mail RWDODD@Southernco.com*

---

**From:** Martin, Rhonda J.

**Sent:** Wednesday, November 05, 2008 11:03 AM

**To:** Dodd, Richard W.

**Subject:** FW: Order or Notice issued by the Public Service Commission (Email ID = 211827)

---

**From:** Commission Clerk [mailto:CommissionClerk@psc.state.fl.us]

**Sent:** Wednesday, November 05, 2008 10:55 AM

**Subject:** Order or Notice issued by the Public Service Commission (Email ID = 211827)

The attached order or notice has been issued by the Public Service Commission.

If you have any problems opening this attachment, please contact the Office of Commission Clerk by reply email or at 850-413-6770.

When replying, please do not alter the subject line; as it is used to process your reply.

Thank you.

11/12/2008

**Kimberley Pena**

080503

**From:** Cindy Miller  
**Sent:** Monday, November 10, 2008 2:49 PM  
**To:** Kimberley Pena  
**Cc:** Karen Webb  
**Subject:** FW: Florida Renewables Assessment

<b>FPSC, CLK - CORRESPONDENCE</b>		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. <u>06966-08</u>		
DISTRIBUTION: _____		

Kim, please also add [gkarnas@edf.org](mailto:gkarnas@edf.org)

Thanks.

*Done  
KMP  
11/12/08*

---

**From:** Trevor Quinlan [<mailto:trevor@libertypartnersfl.com>]  
**Sent:** Monday, November 10, 2008 2:39 PM  
**To:** Cindy Miller  
**Cc:** Gerald Karnas; Jennifer Green; [keberhardt@edf.org](mailto:keberhardt@edf.org)  
**Subject:** RE: Florida Renewables Assessment

Cindy, sorry for the confusion about who is speaking. At the Dec 3<sup>rd</sup> Workshop it will be Gerald Karnas from the Environmental Defense Fund. His email is [gkarnas@edf.org](mailto:gkarnas@edf.org), and once we have materials assembled we can go ahead and send them along as necessary. Thanks for all your help and email me with any problems you may have.

Trevor D. Quinlan  
 Governmental Affairs Associate  
 Liberty Partners of Florida, LLC.  
 P.O. Box 390  
 Tallahassee, FL 32302  
 Office: (850) 841-1726  
 Fax: (850) 841-7097  
 Mobile: (850) 241-3695  
[www.libertypartnersfl.com](http://www.libertypartnersfl.com)

---

**From:** Cindy Miller [<mailto:CMiller@PSC.STATE.FL.US>]  
**Sent:** Monday, November 10, 2008 2:33 PM  
**To:** Trevor Quinlan  
**Subject:** FW: Florida Renewables Assessment

---

**From:** Cindy Miller  
**Sent:** Monday, November 10, 2008 1:45 PM  
**To:** Kimberley Pena  
**Subject:** FW: Florida Renewables Assessment

Hey Kim -- can you make sure Trevor Quinlan is on our RPS mailing list (docket 080503-EI)? He's at [trevor@libertypartnersfl.com](mailto:trevor@libertypartnersfl.com)

Thanks!

---

**From:** Cindy Miller  
**Sent:** Monday, November 10, 2008 1:43 PM  
**To:** 'trevor@libertypartnersfl.com'

11/10/2008



**Subject:** FW: Florida Renewables Assessment

---

**From:** Mark Futrell  
**Sent:** Tuesday, November 04, 2008 2:18 PM  
**To:** Mark Futrell  
**Subject:** Florida Renewables Assessment

A conference call will be held on Tuesday, November 18, 2008 at 2:00 p.m. eastern. The purpose of the conference call is to discuss Navigant Consulting, Inc.'s draft report on the Technical Potentials and Economic and Performance Characteristics of Renewables, as part of the Florida Renewable Energy Assessment. Persons participating may call 1-888-808-6959, conference code 4136904.

A copy of the draft technical potentials report will be available on the Commission's website after November 5, 2008 at [www.florida.psc.com](http://www.florida.psc.com), under the Renewable Energy Activities tab. During the call, Navigant will present an executive summary of the technical potentials report, and then will be available for questions and discussion. In order to facilitate discussion on the conference call, stakeholder questions may be submitted to me by close of business, November 14, 2008. All questions will be forwarded to Navigant.

Mark Futrell  
Florida Public Service Commission  
850 413-6692  
[mfutrell@psc.state.fl.us](mailto:mfutrell@psc.state.fl.us)

11/10/2008

**Dorothy Menasco**

---

**From:** Filings@psc.state.fl.us  
**Sent:** Tuesday, October 28, 2008 3:18 PM  
**To:** 'mvaughn@southernco.com'  
**Cc:** Cindy Miller; Ruth Nettles; Kimberley Pena  
**Subject:** FW: E-filing

**FPSC, CLK - CORRESPONDENCE**  
Administrative ☒ Parties ☐ Consumer  
**DOCUMENT NO.** 0646-08  
**DISTRIBUTION:** \_\_\_\_\_

**Attachments:** 1 - RPS - 10-16-08 Data Request - Response.doc; RPS - 10-16-08 Data Request.xls



1 - RPS -



RPS -

6-08 Data Reql-08 Data Reque

Ms. Vaughn:

We are in receipt of your filing below. However, this filing is not eligible for electronic filing. Please see e-filing requirements on the PSC webpage at: <http://www.psc.state.fl.us/dockets/e-filings/> Specifically:

- Multiple documents may be attached to the same e-mail transmittal. However, any cover letter or certificate of service must be included in the electronic document to which it relates, and shall not be submitted as a separate attachment to the e-mail.
- The attachment containing the document to be filed must be in one of the following formats:

Adobe .PDF

Native word processing format (e.g., Word or WordPerfect) with numbered paragraphs. Use the document extension .doc for documents filed in Word format and .wpd for those in WordPerfect format.

Your Excel attachments are referenced in the RPS responses, but are submitted as a separate document, and neither of the attachments includes a cover letter or official signature.

Your filing will need to be revised and resubmitted, with both documents provided in either PDF, Word or Word Perfect format, and with an official signature.

Please also note that the e-mail transmittal page is not itself considered a filing. Therefore, information contained within the text of an e-mail transmission will not be considered filed.

Please feel free to call our office if you have any questions.

Dorothy Menasco  
FPSC  
Office of Commission Clerk  
850-413-6770

-----Original Message-----

**From:** Vaughn, Mallory [mailto:MVAUGHN@southernco.com]  
**Sent:** Tuesday, October 28, 2008 2:53 PM

To: Phillip Ellis  
Cc: Cindy Miller; Tom Ballinger; Filings@psc.state.fl.us; jas@beggsllane.com  
Subject: E-filing

- A. Susan D. Ritenour  
Gulf Power Company, One Energy Place, Pensacola FL 32520  
(850) 444-6696  
mvaughn@southernco.com
- B. Docket No. 080503, RPS Data Request
- C. Gulf Power Company
- D. Document consists of 2 attachments. The Word document is 4 pages in length. The Excel document has 4 tabs.
- E. Mr. Phillip Ellis,

Per the October 16, 2008 letter from Ms Cindy Miller, attached are Gulf Power Company's responses to the RPS Data Request. These responses are being filed electronically as requested. Please let me know if you have any questions.

Susan Ritenour

CC: Commission Clerk  
Ms Cindy Miller  
Mr. Tom Ballinger

Mallory Vaughn  
Administrative Assistant | Corporate Secretary Gulf Power Company | Bin 0786  
Tel: 850.444.6696 | Fax: 850.444.6026  
Email: mvaughn@southernco.com <mailto:gkyoung@southernco.com>

<<1 - RPS - 10-16-08 Data Request - Response.doc>> <<RPS - 10-16-08 Data Request.xls>>

Nonnye Grant

080503

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION		

*mcd*  
*Updated*  
*10-17-08*

**From:** Lee Fulcher  
**Sent:** Friday, October 17, 2008 2:43 PM  
**To:** Nonnye Grant; Paula Isler  
**Subject:** FW: Returned Mail - Alabama Electric Cooperative

*Done*  
*10/23/08*  
*KMP*

**From:** Sandy Neal [mailto:Sandy.Neal@powersouth.com]  
**Sent:** Friday, October 17, 2008 2:34 PM  
**To:** Lee Fulcher  
**Cc:** Nonnye Grant  
**Subject:** RE: Returned Mail - Alabama Electric Cooperative

**From:** Lee Fulcher [mailto:LFulcher@PSC.STATE.FL.US]  
**Sent:** Friday, October 17, 2008 1:28 PM  
**To:** Sandy Neal  
**Subject:** Returned Mail - Alabama Electric Cooperative

Our company name is now: PowerSouth Energy Cooperative. This became effective in January 2008.

Our mailing address for the street address is:

PowerSouth Energy Cooperative — *new name*  
 2027 East Three Notch Street  
 Andalusia, AL 36421 - 2427

Our post office box is:

PowerSouth Energy Cooperative  
 P. O. Box 550  
 Andalusia, AL 36420 - 1299

10/17/08

*mcd already*  
*Reflects this addr since 2-8-07*  
*except for the +4 -0550*

Mail addressed to your organization at the addresses shown below have been returned to the Florida Public Service Commission (FPSC):

*Co is not under*  
*PSC Regulation.*  
*so name chg is OK.*

*in dlt*  
*080503-ET*  
*not in mcd*  
*added 7-25-08*  
*under this*  
*some*

Alabama Electric Cooperative  
 Rick Neal  
 2025 @. 3Notch Street  
 AndalusiaAL36420

*cy to*  
*RCA/K. Pena*

And

Alabama Electric Cooperative — *old name*  
 Mr. Gary Smith  
 P. O. Box 554  
 AndalusiaAL36420-0550

*on*  
*NH*  
*NR*  
*NW*  
*EC*

You may send corrections to the address, personnel, telephone and fax numbers, and current email address(es), by e-mail to Ms. Nonnye Grant, [ngrant@psc.state.fl.us](mailto:ngrant@psc.state.fl.us), fax them to (850) 413-7118, or send them by mail to the Florida Public Service Commission, Office of Commission Clerk, 2540 Shumard Oak Boulevard, Tallahassee, FL 32399-0850. As soon as

10/17/2008

**Clara Leider**

**From:** John Ellis [jellis-ips@verizon.net]  
**Sent:** Monday, September 29, 2008 10:17 AM  
**To:** Records Clerk  
**Subject:** Mailing list

**FPSC, CLK - CORRESPONDENCE**

☐ Administrative ☒ Parties ☐ Consumer

**DOCUMENT NO.** 06466-08

**DISTRIBUTION:** \_\_\_\_\_

Would you please place me on the mailing list for docket number 080503.

John S. Ellis  
1560 Gulf Blvd.  
# 701  
Clearwater Beach, FL 33767

727-641-7140 phone

Thanks You,

John S. Ellis

*Dme 9/29/08  
R. Vn.*

RECEIVED-FPSC  
08 SEP 29 PM 12:59  
COMMISSION  
CLERK

9/29/2008

Office of Commission Clerk Official Filing

Ruth Nettles

---

From: Ruth Nettles  
Sent: Thursday, September 25, 2008 12:32 PM  
To: Ann Cole  
Cc: Ruth McHargue  
Subject: RE: My contact

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

I have added Mr. Brinkman to Docket 080503.

Thanks

-----Original Message-----

From: Ann Cole  
Sent: Thursday, September 25, 2008 12:15 PM  
To: Ruth Nettles  
Cc: Ruth McHargue  
Subject: FW: My contact

Hey Ruth. Please see this email and update CMS. Thank you.

-----Original Message-----

From: Carol Purvis  
Sent: Thursday, September 25, 2008 12:05 PM  
To: Ruth McHargue  
Cc: Ann Cole  
Subject: RE: My contact

Normally it would be Kim Peña, in her absence, Ann Cole will take care of.

-----Original Message-----

From: Ruth McHargue  
Sent: Thursday, September 25, 2008 12:00 PM  
To: Carol Purvis  
Subject: FW: My contact

Hi Carol,  
Can you advise who this request should be forwarded to.  
Thanks,  
Ruth

-----Original Message-----

From: Consumer Contact  
Sent: Thursday, September 25, 2008 8:27 AM  
To: Ruth McHargue  
Subject: FW: My contact

To CLK

-----Original Message-----

From: Webmaster  
Sent: Thursday, September 25, 2008 8:02 AM  
To: Consumer Contact  
Subject: RE: My contact

-----Original Message-----

From: contact@psc.state.fl.us [mailto:contact@psc.state.fl.us]  
Sent: Wednesday, September 24, 2008 11:42 PM  
To: Webmaster



9/25/2008 12:38 PM

**Office of Commission Clerk Official Filing**

Cc: RobBrinkman@cox.net

Subject: My contact

Contact from a Web user

**Contact Information:**

Name: Rob Brinkman

Company: Florida Sierra Club

Primary Phone: 352-318-4934

Secondary Phone: 352-337-1757

Email: RobBrinkman@cox.net

Response requested? Yes

CC Sent? Yes

**Comments:**

I would like to be listed as an interested party for docket number 080503 regarding the proposed RPS. My information is as follows:

Rob Brinkman, Chair Energy Committee

Sierra Club Florida

915 NE 20th Ave.

Gainesville, Florida 32609-3850

I appreciate your attention to this request.

Sincerely,

Rob Brinklman

**Shannon Kee**

done 09/24/08  
SK

**From:** Cindy Miller  
**Sent:** Tuesday, September 23, 2008 11:39 AM  
**To:** Shannon Kee  
**Subject:** FW: Florida Renewable Energy

Please add this person to docket 080503. Thanks! Kim said I should send these to you while she's out.

---

**From:** Mark Futrell  
**Sent:** Tuesday, September 23, 2008 11:34 AM  
**To:** Cindy Miller  
**Subject:** FW: Florida Renewable Energy

FPSC, CLK - CORRESPONDENCE  
~~Administrative~~ Parties Consumer  
DOCUMENT NO. 06466-08  
DISTRIBUTION: \_\_\_\_\_

Cindy,

Would you have this person added to the interested parties list in the RPS docket - 080503?

Thanks,  
Mark

---

**From:** Joshua Levine [mailto:jlevine@nacogdochespower.com]  
**Sent:** Tuesday, September 23, 2008 11:31 AM  
**To:** Mark Futrell  
**Subject:** RE: Florida Renewable Energy

Thank you Mark.

Cheers, Josh

---

**Josh Levine**  
Nacogdoches Power, LLC

603.766.8737 (direct)  
603.294.4850 (main)  
617.233.2939 (cell)  
[jlevine@nacogdochespower.com](mailto:jlevine@nacogdochespower.com)

---

**From:** Mark Futrell [mailto:MFutrell@PSC.STATE.FL.US]  
**Sent:** Tuesday, September 23, 2008 11:29 AM  
**To:** Joshua Levine  
**Cc:** amervis@emienergy.com  
**Subject:** RE: Florida Renewable Energy

Josh,

You do not have to RSVP to participate in the call. We'll add your name to the list of interested parties.

9/24/2008

Mark Futrell  
Florida Public Service Commission  
(850) 413-6692

---

**From:** Joshua Levine [mailto:[jlevine@nacogdochespower.com](mailto:jlevine@nacogdochespower.com)]  
**Sent:** Tuesday, September 23, 2008 11:22 AM  
**To:** Mark Futrell  
**Cc:** [amervis@emienergy.com](mailto:amervis@emienergy.com)  
**Subject:** Florida Renewable Energy

Hello Mark,

Could I please be added to your distribution list of folks to receive emails concerning renewable energy and the RPS in FL? My email address is [jlevine@nacogdochespower.com](mailto:jlevine@nacogdochespower.com).

I received an email from a colleague of mine about a conference call tomorrow afternoon concerning a renewable energy assessment in FL. Do I need to RSVP to participate in this call?

Thanks, Josh

---

**Joshua H. Levine**  
Director of Project Development

Nacogdoches Power, LLC  
1 New Hampshire Avenue, Suite 207  
Portsmouth, NH 03801  
603.766.8737 (direct)  
603.294.4850 (main)  
617.233.2939 (mobile)  
603.457.6013 (fax)  
[jlevine@nacogdochespower.com](mailto:jlevine@nacogdochespower.com)

No virus found in this incoming message.  
Checked by AVG - <http://www.avg.com>  
Version: 8.0.169 / Virus Database: 270.7.0/1684 - Release Date: 9/22/2008 4:08 PM

9/24/2008

**Dorothy Menasco**

**From:** Filings@psc.state.fl.us  
**Sent:** Monday, September 22, 2008 5:38 PM  
**To:** 'mungagungadin@yahoo.com'; Mark Futrell; Ann Cole  
**Subject:** RE: FW: Docket 080503-EI

Marni,

We are unable to date this document retroactively to September 5th. Per e-filing requirements:

### Special Conditions

- The party submitting a document for filing by electronic transmission acknowledges and agrees:
  - a. That the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause, and that the party shall produce it upon request of the other parties or the Commission.
  - b. That the party submitting the filing shall be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed with the Division as a result.
  - c. That the filing date for an electronically transmitted document shall be the date the Division receives the complete document. If the document is received on a non-business day, or after 5:00 p.m. on a business day, it will be considered filed as of 8:00 a.m. on the following business day.
  - d. That the Commission does not have the authority to grant an extension of time for certain jurisdictional filings, including motions for reconsideration and notices of appeal.
  - e. That the official copy of an electronically filed document is the copy printed by the Division upon receipt, document-stamped, and filed in the docket.
  - f. That all electronically filed documents are public records and will be published on the Commission's local area network and its Internet website. Confidentiality is waived for any information in documents submitted for e-filing.

### Manner of Electronic Transmission

- The acknowledgment indicates the document has been received, but does not confirm the document meets the requirements for electronic filing.

Your filing was considered officially filed on 9/22/08 at 4:47 p.m.

### Filings@psc.state.fl.us - 2008 Filings

✉	!	g	From	To	Subject	Received	▼
📅	Date: Today						
👤	u		SeverusSnake	Filings@psc.state.fl.us	Re: FW: Docket 080503-EI	Mon 9/22/2008	

The link to the Commission's e-filing's requirements is included for your convenience:  
<http://www.psc.state.fl.us/dockets/e-filings/>

9/22/2008

Dorothy Menasco  
 FPSC  
 Office of Commission Clerk  
 850-413-6770

---

**From:** SeverusSnape [mailto:mungagungadin@yahoo.com]  
**Sent:** Monday, September 22, 2008 5:08 PM  
**To:** Filings@psc.state.fl.us  
**Subject:** RE: FW: Docket 080503-EI

good to know. please kindly post, and backdate to Sep 5, when I sent my submission?

Mark Futrell can confirm receipt of first copy into his inbox before 5 pm.

marni

--- On **Mon, 9/22/08**, **Filings@psc.state.fl.us** <**Filings@PSC.STATE.FL.US**> wrote:

From: Filings@psc.state.fl.us <Filings@PSC.STATE.FL.US>  
 Subject: RE: FW: Docket 080503-EI  
 To: "SeverusSnape" <mungagungadin@yahoo.com>  
 Date: Monday, September 22, 2008, 2:00 PM

Hi Marni,

This filing was perfect!

Dorothy Menasco  
 FPSC  
 Office of Commission Clerk  
 850-413-6770

---

**From:** SeverusSnape [mailto:mungagungadin@yahoo.com]  
**Sent:** Monday, September 22, 2008 4:46 PM  
**To:** Filings@psc.state.fl.us  
**Subject:** Re: FW: Docket 080503-EI

Dorothy,

Please kindly confirm receipt and let me know if there are any lingering requirements with this version,

Marni Zollinger

--- On **Mon, 9/8/08**, **Filings@psc.state.fl.us** <**Filings@PSC.STATE.FL.US**> wrote:

From: Filings@psc.state.fl.us <Filings@PSC.STATE.FL.US>  
 Subject: FW: Docket 080503-EI  
 To: mungagungadin@yahoo.com  
 Cc: "Cindy Miller" <CMiller@PSC.STATE.FL.US>, "Kimberley Pena" <KPena@PSC.STATE.FL.US>, "Ruth Nettles" <RNettles@PSC.STATE.FL.US>

9/22/2008

Date: Monday, September 8, 2008, 7:23 AM

Dear Marni:

We are in receipt of your attached e-filings. Please note that, per the Commission's e-filing requirements, documents are to include an official signature. Your document will need to be revised and resubmitted to be considered an official filing.

Manner of Electronic Transmission:

- Documents shall be signed by typing "s/" followed by the signatory:  
  
s/ First M. Last
- The acknowledgment indicates the document has been received, but does not confirm the document meets the requirements for electronic filing.

A link to the Commission's e-filing requirements is included for your convenience:

<http://www.psc.state.fl.us/dockets/e-filings/>

Please call our office if you have any questions.

*Dorothy Menasco*

*FPSC*

*Office of Commission Clerk*

*850-413-6770*

---

**From:** SeverusSnape [mailto:mungagungadin@yahoo.com]

**Sent:** Friday, September 05, 2008 10:21 PM

**To:** Filings@psc.state.fl.us

**Subject:** Docket 080503-EI

Marni J. Zollinger of COB Creations, LLC

physical correspondence for notices sent with chain of custody:

C/O Worldwide Capital Partners, LLC 133 N. Friendswood Dr. #143 Friendswood TX 77546

[marnizollinger@cobcreations.com](mailto:marnizollinger@cobcreations.com) is the person responsible for this electronic filing;

The filing is to be made in Docket 080503-EI, In re: RPS Rule Establishment

The filing is made on behalf of COB Creations, LLC;

The total number of pages is  $6 + 15 + 10 + 6 = 37$

The attached document is COB Creations' RPS Draft Rule Suggestions.

9/22/2008



**Shannon Kee**

FPSC, CLK - CORRESPONDENCE

~~Administrative~~ Parties ~~Consumer~~

**From:** Karen Webb  
**Sent:** Wednesday, September 17, 2008 8:26 AM  
**To:** Shannon Kee  
**Cc:** Mark Futrell  
**Subject:** FW: Distribution List for RPS

DOCUMENT NO. 06466-08  
DISTRIBUTION: \_\_\_\_\_

*done*  
*SK* 09/17/08

Hi Shannon,

Would you please add Ms. Smeenck to the interested parties list for docket number 080503?

Thank you very much,  
Karen

---

**From:** Sharon Smeenck [mailto:Sharon.Smeenck@fmpa.com]  
**Sent:** Wednesday, September 17, 2008 7:55 AM  
**To:** Mark Futrell  
**Subject:** Distribution List for RPS

Could you please add me to the distribution list for the RPS rulemaking proceedings? Please see my contact information below.

If you have any questions or need any additional information, please feel free to contact me.

Thanks,  
Sharon Smeenck

Sharon Smeenck  
Conservation & Renewable Specialist

---

Florida Municipal Power Agency  
8553 Commodity Circle  
Orlando, FL 32819-9002  
Phone: 407/355-7767  
Direct Line: 321/239-1062  
Fax: 407/355-5796  
sharon.smeenck@fmpa.com  
www.fmpa.com

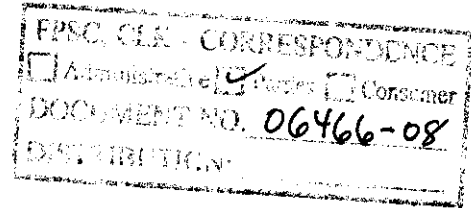
Community Power. Statewide Strength.

---

9/17/2008

**Dorothy Menasco**

**From:** Filings@psc.state.fl.us  
**Sent:** Monday, September 08, 2008 10:24 AM  
**To:** 'mungagungadin@yahoo.com'  
**Cc:** Cindy Miller; Kimberley Pena; Ruth Nettles  
**Subject:** FW: Docket 080503-EI  
**Attachments:** FL\_Rule\_Comments\_final\_CCLLC.pdf; FL\_Strawman\_DRAFT\_RPS\_Rule\_08\_11\_08\_V2.doc;  
 FL\_Strawman\_DRAFT\_RPS\_Rule\_08\_11\_08\_V3.doc; OCC\_interpretiveLetter\_1051.pdf



Dear Marni:

We are in receipt of your attached e-filings. Please note that, per the Commission's e-filing requirements, documents are to include an official signature. Your document will need to be revised and resubmitted to be considered an official filing.

Manner of Electronic Transmission:

- Documents shall be signed by typing "s/" followed by the signatory:

s/ First M. Last

- The acknowledgment indicates the document has been received, but does not confirm the document meets the requirements for electronic filing.

A link to the Commission's e-filing requirements is included for your convenience: <http://www.psc.state.fl.us/dockets/e-filings/>

Please call our office if you have any questions.

*Dorothy Menasco*

*FPSC*

*Office of Commission Clerk*

*850-413-6770*

---

**From:** SeverusSnake [mailto:mungagungadin@yahoo.com]

**Sent:** Friday, September 05, 2008 10:21 PM

**To:** Filings@psc.state.fl.us

**Subject:** Docket 080503-EI

Marni J. Zollinger of COB Creations, LLC

physical correspondence for notices sent with chain of custody:

C/O Worldwide Capital Partners, LLC 133 N. Friendswood Dr. #143 Friendswood TX 77546

[marnizollinger@cobcreations.com](mailto:marnizollinger@cobcreations.com) is the person responsible for this electronic filing;

The filing is to be made in Docket 080503-EI, In re: RPS Rule Establishment

The filing is made on behalf of COB Creations, LLC;

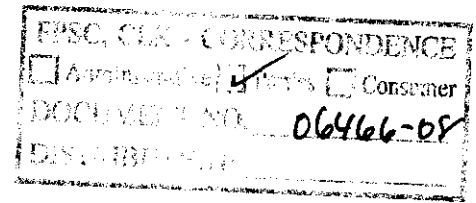
The total number of pages is 6 + 15 + 10 + 6 = 37

The attached document is COB Creations' RPS Draft Rule Suggestions.

9/8/2008

**Dorothy Menasco**

**From:** Filings@psc.state.fl.us  
**Sent:** Friday, September 05, 2008 5:18 PM  
**To:** 'vhillerich@sarasotachamber.org'  
**Cc:** Kimberley Pena; Ruth Nettles; Cindy Miller  
**Subject:** FW: Docket # 080503 Renewable Portfolio Standard Rulemaking  
**Attachments:** image001.jpg; image003.png



Ms. Hillerich:

We are in receipt of your filing below. However, this filing is not eligible for electronic filing. Please see e-filing requirements on the PSC webpage at: <http://www.psc.state.fl.us/dockets/e-filings/> Specifically:

**E-Mail Transmitting an Electronically Filed Document**

- The e-mail message transmitting the document(s) to be filed is not itself considered a filing. Therefore, documents contained within the text of an e-mail transmission will not be considered filed.
- Multiple documents may be attached to the same e-mail transmittal. However, any cover letter or certificate of service must be included in the electronic document to which it relates, and shall not be submitted as a separate attachment to the e-mail.

Your filing will need to be revised and resubmitted in order to be officially accepted for filing.

Please feel free to call our office if you have any questions.

*Dorothy Menasco*

*FPSC*

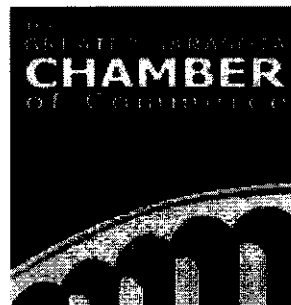
*Office of Commission Clerk*

*850-413-6330*

---

**From:** Valorie Hillerich [mailto:vhillerich@sarasotachamber.org]  
**Sent:** Friday, September 05, 2008 4:36 PM  
**To:** Filings@psc.state.fl.us  
**Cc:** Steve Queior; Del Borgsdorf; Pam Truitt ; jcranor3@comcast.net; Nick Gladding; Asst to N Gladding - Donna Woelfel; Vicki Vega  
**Subject:** Docket # 080503 Renewable Portfolio Standard Rulemaking

Ann Cole  
 Commission Clerk  
 Florida Public Service Commission  
 2540 Shumard Oak Blvd  
 Tallahassee, FL 32399-0850  
 Submitted to filings@psc.state.fl.us



Re: Docket # 080503 Renewable Portfolio Standard Rulemaking

9/5/2008

Dear Ms. Cole:

On behalf of The Chamber's officers, including our Green Business Leadership Committee Chair Nick Gladding, please allow me to provide input regarding the this important issue. Our organization is comprised of 2,000 employers that provide over 70,000 jobs to area residents. The Greater Sarasota Chamber of Commerce (GSCC) is committed to building a "greener" sustainable community and diversifying our local economy. Effective and ambitious implementation of renewable energy technologies is a priority strategy toward achieving this broadly supported goal. The GSCC is proud of the fact that Florida Power and Light is placing the largest solar array in the state on our Rothenbach Park, and that our county is developing landfill gas to energy projects on our landfills and is exploring a potential project to deploy solar hot water heaters on homes around our community. Our citizens have identified renewable energy as a priority at their community environmental summit held in February and set a goal of 50 percent of homes with solar hot water heaters within 5 years. These initiatives and others will be key to developing local demand for renewable energy and building the potential for green jobs in our economy, and The Chamber's Green Business Leadership Committee has embraced these and other forward-thinking initiatives.

As the Public Service Commission considers the details of the Renewable Portfolio Standard (RPS), we would like to express support for a strong standard that would increase the local opportunities for renewable energy in communities like ours. With a requirement of 20 percent of generation being driven by non-petroleum, non-natural gas sources by 2020, utilities and customers could be presented with the incentives necessary to overcome market barriers and implement alternate fuel/power sourced energy projects at a scale that would boost local economic opportunities in the industry and help achieve sustainable energy goals in the near term. In moving towards this better-balanced energy mix of the future, we ask that the PSC be mindful of the potentially damaging impacts that very large, very rapid, or very unpredictably business/commercial rate increases could have on our economy and employment base, and therefore on tax revenues to governmental entities at various levels.

Our community/market area is particularly interested in the inclusion of solar hot water offsets of electric generation. This technology has been identified by our citizens as a key tool in the implementation of renewable energy, with proven technology, rapid payback, and significant energy potential. The inclusion of solar hot water heating in the Renewable Portfolio Standard would be critical to the achievement of our community's solar thermal goals.

The Florida Solar Energy Center (FSEC) has done analysis that shows the current draft of the Renewable Portfolio Standard would put Florida last among all states with an RPS. FSEC has shown that a target of 20 percent by 2020 would be achievable and economical, returning savings to citizens around the state and inspiring innovations among local businesses. The Chamber would like to encourage the Public Service Commission to continue Florida's pattern of leadership on climate change and renewable energy, by recommending a rule that includes the 20 percent by 2020 standard and includes solar hot water among the included technologies.

Sincerely,



Stephen Queior, CCE  
President

The Greater Sarasota Chamber of Commerce  
1945 Fruitville Road | Sarasota, FL 34236  
P: 941. 556. 4046 | F: 941. 366. 5621

**Good Life. Good Business.**

The Greater Sarasota Chamber of Commerce exists to maximize our members' success, the community's competitiveness, and the area's economic strength.

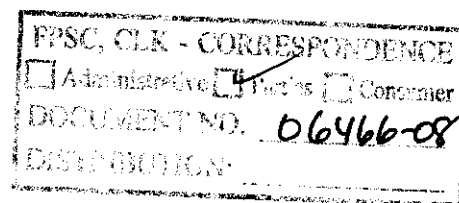
9/5/2008



**Dorothy Menasco**

---

**From:** Filings@psc.state.fl.us  
**Sent:** Friday, September 05, 2008 5:00 PM  
**To:** 'lisa.stright@pgnmail.com'  
**Cc:** Ruth Nettles; Kimberley Pena  
**Subject:** FW: PEF Post-Workshop Comments - Dkt# 080503  
**Attachments:** Document.pdf



Ms. Stright:

We are in receipt of your e-filing below. Please note that per Commission's e-filing requirements documents are to include an official signature. Your document will need to be revised and resubmitted to be considered an official filing.

**Manner of Electronic Transmission**

- Documents shall be signed by typing "s/" followed by the signatory:

s/ First M. Last

- The acknowledgment indicates the document has been received, but does not confirm the document meets the requirements for electronic filing.

A link to the Commission's e-filing requirements is included for your convenience:

<http://www.psc.state.fl.us/dockets/e-filings/>

Please call our office if you have any questions.

*Dorothy Menasco*

*FPSC*

*Office of Commission Clerk*

*850-413-6770*

---

**From:** Stright, Lisa [mailto:Lisa.Stright@pgnmail.com]  
**Sent:** Friday, September 05, 2008 2:56 PM  
**To:** Filings@psc.state.fl.us  
**Cc:** Burnett, John  
**Subject:** PEF Post-Workshop Comments - Dkt# 080503

**This electronic filing is made by:**

**John T. Burnett**  
299 First Avenue North  
St. Petersburg, FL 33733  
(727) 820-5184  
[john.burnett@pgnmail.com](mailto:john.burnett@pgnmail.com)

**Docket No. 080503-EI**

9/5/2008



**On behalf of Progress Energy Florida**

**Consisting of 12 pages.**

**The attached document for filing is PEF's RPS  
Post-Workshop Comments.**

<<Document.pdf>>

*Lisa Stright*

Regulatory Affairs Analyst - Legal Dept.

Progress Energy Svc Co.

106 E. College Ave., Suite 800

Tallahassee, FL 32301

Telephone: (850) 521-1425 direct line

[lisa.stright@pgnmail.com](mailto:lisa.stright@pgnmail.com)

9/5/2008

**Dorothy Menasco**

**From:** Dorothy Menasco  
**Sent:** Friday, September 05, 2008 4:51 PM  
**To:** 'thomas@sunshinestatesolarpower.com'  
**Cc:** Ruth Nettles; Kimberley Pena  
**Subject:** FW: Sunshine State Solar Power Rule Revisions - Docket 080503-EI  
**Attachments:** Sunshine State Solar Power Cover Letter.pdf; Sunshine State Solar Power RPS Rule Revisions.pdf

FPSC CLK - CORRESPONDENCE	
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Consumer
DOCKET NO. 06466-08	
DATE 09/05/08	

Mr. Sutton:

We have received the attachments referenced in your e-filing below. Please note that per Commission e-filing requirements, any cover letter or certificate of service must be included in the electronic document to which it relates, and shall not be submitted as a separate attachment to the email. A link to the Commission's e-filing requirements is included for your convenience: <http://www.psc.state.fl.us/dockets/e-filings/>

Your filing will need to be revised and resubmitted in order to be eligible for electronic filing.

Please feel free to call our office if you have any questions.

*Dorothy Menasco*  
 FPSC  
 Office of Commission Clerk  
 850-413-6770

---

**From:** Thomas J. Sutton [mailto:thomas@sunshinestatesolarpower.com]  
**Sent:** Friday, September 05, 2008 3:04 PM  
**To:** Filings@psc.state.fl.us  
**Cc:** Mark Futrell; Karen Webb; Cindy Miller  
**Subject:** Sunshine State Solar Power Rule Revisions - Docket 080503-EI

Attached are Sunshine State Solar Power's transmittal letter and proposed rule revisions as requested by the Commission Staff.

Please file these documents into the RPS Docket No. 080503-EI.

Please contact me if any further actions are necessary on our part to have this submittal properly filed.

Thank you,

Thomas J. Sutton

Sunshine State Solar Power, LLC  
 2 Princewood Lane  
 Palm Beach Gardens, FL 33410

(W) 561.624.1627  
 (C) 561.301.0565  
[thomas@sunshinestatesolarpower.com](mailto:thomas@sunshinestatesolarpower.com)

Solar .. Clean, Renewable .. The Right Choice For Florida TM

9/5/2008

**Dorothy Menasco**

**From:** Filings@psc.state.fl.us  
**Sent:** Friday, September 05, 2008 3:10 PM  
**To:** 'richzambo@aol.com'  
**Cc:** Ruth Nettles; Kimberley Pena  
**Subject:** FW: Additional Responses/Clarification to FPSC Staff Data Requests Re: Waste Heat  
**Attachments:** 090408 Waste Heat Data - Rich Zambo - AS FILED.doc

**FPSC, CLK - CORRESPONDENCE**  
**Administrative** ☒ **Parties** ☐ **Consumer**  
**DOCUMENT NO.** 0164166-08  
**DISTRIBUTION:** \_\_\_\_\_

Mr. Zambo:

We are in receipt of your attached e-filing. Please note that, per the Commission's e-filing requirements, documents are to include an official signature. Your document will need to be revised and resubmitted to be considered an official filing.

Manner of Electronic Transmission:

- Documents shall be signed by typing "s/" followed by the signatory:  
     s/ First M. Last
- The acknowledgment indicates the document has been received, but does not confirm the document meets the requirements for electronic filing.

A link to the Commission's e-filing requirements is included for your convenience:

<http://www.psc.state.fl.us/dockets/e-filings/>

Please call our office if you have any questions.

*Dorothy Menasco*

*FPSC*

*Office of Commission Clerk*

*850-413-6770*

---

**From:** Richzambo@aol.com [mailto:Richzambo@aol.com]  
**Sent:** Thursday, September 04, 2008 5:13 PM  
**To:** Filings@psc.state.fl.us  
**Cc:** Robert Graves; Tom Ballinger; Phillip Ellis; Kathy Lewis; Benjamin Crawford; b\_may@cfifl.com; john.r.horne@mecsglobal.com; steve.davis@mosaicco.com; rmiller@pcsphosphate.com; jebakach@cfifl.com  
**Subject:** Additional Responses/Clarification to FPSC Staff Data Requests Re: Waste Heat

**1. Attorney responsible for this electronic filing:**

Rich Zambo  
 Richard A. Zambo, P.A.  
 2336 S.E. Ocean Boulevard, #309  
 Stuart, Florida 34996  
 Phone: 772 221 0263  
 Mobile: 954 224 5863  
 email: [richzambo@aol.com](mailto:richzambo@aol.com)

9/5/2008

**2. Docket numbers and titles in which filing is submitted:**

DOCKET NO. 080503-EI -- In re: Establishment Of Rule On Renewable Portfolio Standard

**3. Party on whose behalf this filing is submitted:**

The Florida Industrial Cogeneration Association

**4. Total number of pages in filing:**

4 (four) pages

**5. Document attached:**

Additional Responses/Clarification to FPSC Staff Data Requests Re: **Waste Heat** renewable energy generating capacity in Florida.

---

If you have any questions or require anything further in this regard, please do not hesitate to let us know immediately.

*Rich Zambo*

Richard A. Zambo, P.A.  
Attorneys and Counsellors  
2336 S.E. Ocean Boulevard, #309  
Stuart, Florida 34996  
Phone: 772 221 0263  
FAX: 772 232 0205  
Cell: 954 224 5863  
email: [richzambo@aol.com](mailto:richzambo@aol.com)

---

It's only a deal if it's where *you* want to go. Find your travel deal [here](#).

**Kimberley Pena**

080503

**From:** Kimberley Pena  
**Sent:** Tuesday, August 26, 2008 7:52 AM  
**To:** Karen Webb  
**Cc:** Cindy Miller; Mark Futrell  
**Subject:** RE: Names for Contact List

FPSC, CLK - CORRESPONDENCE  
Administrative ~~X~~ Parties Consumer  
 DOCUMENT NO. 06466-08  
 DISTRIBUTION: \_\_\_\_\_

Per this email, we will do so.

**From:** Karen Webb  
**Sent:** Monday, August 25, 2008 9:01 AM  
**To:** Kimberley Pena  
**Cc:** Cindy Miller; Mark Futrell  
**Subject:** Names for Contact List

Hi Kim,

Would you please add the following folks to your contact list for renewables?

Thank you, Karen

Ken Hoffman	FPL			521-3900	<a href="mailto:ken_hoffman@fpl.com">ken_hoffman@fpl.com</a>
Matt Feil	Akerman Senterfitt	106 E. College Ave Suite 1200	Tallahassee FL	425-1614	<a href="mailto:matt.feil@akerman.com">matt.feil@akerman.com</a>
Cecilia Aguillon	Kyocera Solar Inc. & Solar Coalition	8611 Balboa Ave	San Diego CA	92123 858-829-1700	<a href="mailto:cecilia.aguillon@kyocera.com">cecilia.aguillon@kyocera.com</a>
Paul L. Cobb	Hopping Green & Sams	123 S. Calhoun		222-7500	<a href="mailto:paulac@hgslaw.com">paulac@hgslaw.com</a>
Herald Johnson		2062 Tyson Road	Monticello FL	32344 544-4682	<a href="mailto:heraldjohnson@hotmail.com">heraldjohnson@hotmail.com</a>
Kelly Bennett	Sterling Plant	3295 River Exchange Drive Ste 300	Norcross GA	30092 518-269-1636	<a href="mailto:kbennett@sterlingplanet.com">kbennett@sterlingplanet.com</a>
Mike Ivester	T8 Lighting Inc	804 Watt Drive	Tallahassee FL	32303 850-422-1302	<a href="mailto:t8lighting@comcast.net">t8lighting@comcast.net</a>
Brian Churney	Audubon of Florida	2507 Callaway Road, Ste 103	Tallahassee FL	32303	<a href="mailto:bchurney@audubon.org">bchurney@audubon.org</a>
Joe McGlothlin	Office of Public Counsel	111 W. Madison Street, Ste 812	Tallahassee FL	487-8251	<a href="mailto:jmcglothlin@comcast.net">jmcglothlin@comcast.net</a>
Colin Murchie	Sun Edison				<a href="mailto:cmurchie@sunedison.com">cmurchie@sunedison.com</a>
Martha Duggan	Sun Edison				<a href="mailto:mduggan@sunedison.com">mduggan@sunedison.com</a>
Dan Simmons	Buckeye	One Buckeye Drive	Perry FL	32348 850-584-1275	<a href="mailto:dan_simmons@bkitech.com">dan_simmons@bkitech.com</a>

done  
*sc*  
 08/29/08

8/26/2008





MEMORANDUM

August 27, 2008

RECEIVED-FPSC  
08 AUG 27 PM 3:39  
COMMISSION  
CLERK

TO: OFFICE OF COMMISSION CLERK

FROM: CINDY MILLER, OFFICE OF GENERAL COUNSEL *CM*

RE: DOCKET NO. 080503-EI - ESTABLISHMENT OF RULE ON RENEWABLE  
PORTFOLIO STANDARD

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION:		

Please file the attached correspondence in the above docket file.

CM/mrd

Attachment

August 26, 2008

Florida Public Service Commission  
C/o Ms. Karen Webb  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850  
KWWebb@psc.state.fl.us

Dear Public Service Commissioners,

Environmental Defense Fund (EDF) eagerly anticipates passage of a Renewable Portfolio Standard (RPS) by the Florida Legislature in the upcoming 2009 legislative session. Florida has enormous potential to become a national and world leader on clean energy. When harnessed, this potential will diversify Florida's economy, create jobs, enhance the quality of life of its citizens and protect Florida's environment. Unfortunately, the Draft Rule made public by PSC staff on August 11, 2008 does not earn the support of the Environmental Defense Fund, because it does not significantly deploy renewable energy, provide for large-scale investment in renewable energy, nor present an accelerated path toward grid parity for renewables.

The principles EDF applies to the creation of a RPS in Florida are akin to the legislative intent found in House Bill 7135 that states, "It is the intent of the Legislature to promote the development of renewable energy; protect the economic viability of Florida's existing renewable energy facilities; diversify the types of fuel used to generate electricity in Florida; lessen Florida's dependence on natural gas and fuel oil for the production of electricity; minimize the volatility of fuel costs; encourage investment within the state; improve environmental conditions; and, at the same time, minimize the costs of power supply to electric utilities and their customers."<sup>1</sup> Regrettably, the Draft Rule fails on each of these fronts. If a choice existed between having no RPS or implementing the Draft Rule as proposed, we would prefer there be no RPS. The Draft Rule misleads Florida's citizens into believing they have a successful, progressive renewable energy policy when in fact, it is a program designed to fail and continues the status quo of fossil fuel dependence for the majority of this century. More alarmingly, the

---

<sup>1</sup> Section 366.92(1), Florida Statutes.

Draft Rule inhibits job creation and its associated economic development, while other states and countries continue to reap the lion's share of renewable energy jobs and profits. In order to craft an effective rule consistent with Governor Crist's vision and the Florida Legislature's intent in HB7135, the RPS must be revised to foster competition, create economies of scale, provide long-term contracts for renewable energy providers and contain cost recovery mechanisms that do not discriminate against renewable energy. The following principles, if implemented, will drive cost reductions in across renewable energy sectors and in turn, contain the overall costs of the policy.

### Targets

On numerous occasions, Governor Crist has stated that the Commission should wholeheartedly adopt and support a 20% RPS goal by 2020. EDF believes a ramped-up schedule of investment in renewable energy is the best way to progress toward this goal. We recommend the following staggered targets as a mechanism to prevent volatility and create a stable market for investors, renewable industries and IOUs:

<u>Year</u>	<u>Target (% of Prior Year's Retail Electricity Sales)</u>
2009-2010	2%
2011	3%
2012	4%
2013	6%
2014	8%
2015	10%
2016	12%
2017	14%
2018	16%
2019	18%
2020	20%

### Absence of Penalty Provision

An automatic penalty provision must be included within the RPS rule, not only to establish and maintain a level playing field, but to affirm to all renewable energy producers that they will not suffer competitive disadvantage for complying with the law even if others seek to evade it. A penalty provision is especially important to clearly demonstrate which parties are responsible for achieving the legislative mandate. Without meaningful penalties, renewable energy providers will not be able to begin construction of new facilities to meet the RPS goal until IOUs enter into

contracts for the output of new facilities. To this end, long-term contracts must be clearly assigned in an open, transparent solicitation process that begins as soon as the RPS is ratified. Otherwise, IOUs may be tempted to wait until program due dates arrive and then plead to the Commission that sufficient RECs were not available and therefore, they should be exempt from meeting their allocation. EDF urges that failure to enter into available REC contracts does not qualify an IOU for an exception to the RPS under (4)(a)1. of the Draft Rule. Therefore, to meet the RPS goal, IOUs must begin contracting with renewable energy providers as soon as practicable.

We recommend that penalties must be of sufficient size to deter noncompliance, so that an IOU prefers to acquire the renewable energy rather than pay the penalty. A penalty equal to 100% of the cost of a REC is insufficient as it only leaves the IOU indifferent between paying the penalty or complying with the law. In fact, given transaction costs, an IOU might still prefer to incur the penalty even with an amount above 100%. While we are sensitive to the fact that the penalty should not be set so high as to be solely punitive, stiff and automatic penalties are essential to a successful RPS. That is why EDF suggests that 200% of the REC price is an appropriate mechanism to address noncompliance. As the REC market develops and the PSC reviews each provider's annual report, we believe this penalty level can be reassessed higher or lower based on its efficacy.

#### Absence of Force Majeure Limitations

The Draft Rule has several large loopholes or exemptions that we feel are a detriment to the overall function and success of the RPS. We recommend that you closely examine the Texas RPS rule which is widely-viewed as one of the most successful in the nation.<sup>2</sup> Texas has a "no excuses" RPS that provides for significant amounts of renewable energy while appropriately containing costs. Strong limits on loopholes are compulsory to ensure confidence among all participants and would-be investors in the Florida REC market. As drafted, the rule states that the Commission "shall consider excusing an investor-owned electric utility from compliance with any renewable portfolio standard based upon a showing that: 1. the supply of renewable energy or renewable energy credits is not adequate to satisfy the demand for such energy; or 2.

---

<sup>2</sup> See Exhibit 1 – Texas RPS Rule, attached.

the cost of securing renewable energy or renewable energy credits was prohibitive such that the total cost for compliance with the renewable portfolio standard exceeded one percent of the investor-owned utility's total annual retail revenues."<sup>3</sup> These two clauses give IOUs ample opportunity to claim failure to acquire and/or afford RECs. To avoid unnecessary noncompliance, the RPS rule must require IOU's to participate with multiple renewable providers in a transparent long-term contract solicitation process at the beginning of each compliance period. Again, we emphasize that failure to enter into REC contracts does not qualify as an exemption for meeting the RPS.

According to PSC staff's comments on the Draft Rule, "A one percent rate cap translates to approximately 0.1 cents per KWh or a \$1.20 monthly bill increase for a typical Florida residential ratepayer with 1,200 kWh monthly energy usage."<sup>4</sup> The EPA, in its Clean Energy-Environment Guide to Action, recommends that "effective caps [be] low enough to limit ratepayer impacts, but high enough to encourage renewable energy development."<sup>5</sup> A 1% overall cap is not only unreasonable as a measure for noncompliance, but provides a huge disincentive toward the investment in and development of renewable energy technologies. Many states have higher rate caps (some significantly so), including Illinois, North Carolina, Washington, and Oregon, and have already begun to see the benefit of this investment in overall rate savings for their customers.<sup>6</sup> In contrast, Floridians pay an average of 25% more for their electricity than they did in 2005, namely because of rising fuel costs. Notably, this percentage increase does not include the considerable rate hikes associated with early cost recovery for the construction of future nuclear facilities. Renewable energy must not take a backseat to the continued promotion of conventional fossil fuel-based policies simply to "protect ratepayers from undue rate increases... as the market for renewables develops in the state."<sup>7</sup> The RPS should be funded by all classes of electric customers, not just residential ones, toward the goal of successfully implementing the RPS is a direct investment in increased energy independence, renewable energy technology, jobs and energy security in Florida. Healthy competition among renewable energy producers will drive costs down more effectively than any ratepayer impact

---

<sup>3</sup> Draft Rule 25-17.400. Page 5, Line 9-13.

<sup>4</sup> Summary of Draft Rule. Page 4. August 20, 2008.

<sup>5</sup> "Renewable Portfolio Standards" EPA Clean Energy-Environment Guide to Action. Section 5.1. Page 5-10,11.

<sup>6</sup> Id.

<sup>7</sup> Summary of Draft Rule. Page 4. August 20, 2008

cap. The best way to protect Florida's ratepayers is to embrace economies of scale, encourage broad participation in renewable energy markets, provide long-term contracts and avoid undue market manipulation through price caps. A well-designed RPS is the best cost containment solution.

#### Alternative and Complimentary Mechanism to Implement the RPS

SB7135 charges the PSC with drafting a RPS to promote development of renewable energy across Florida, lessen the state's dependence on fossil fuels, minimize fuel price volatility and improve the environment, while "minimizing the costs of power supply to electric utilities and their customers."<sup>8</sup> In its wisdom, the Legislature understood that there are multiple ways to implement such a standard when it "requir[ed] each provider to supply renewable energy to its customers directly, by procuring, or through renewable energy credits."<sup>9</sup> Under SB7135, the PSC is authorized to examine alternative methods of procuring renewable energy. Section 366.91(1) states "The commission shall have rulemaking authority for providing annual cost recovery and incentive-based adjustments to authorized rates for return on common equity to providers to incentivize renewable energy."<sup>10</sup> EDF is concerned that the Draft Rule's wholesale reliance on a REC program without analyzing the unprecedented successes of a procurement model established first in Germany, but now successfully implemented in over 45 countries around the world, puts Florida at a disadvantage. This model, called a Renewable Energy Payment (REP) or Feed-In Policy, is also being considered by multiple states here in the United States as both a separate energy policy and as a mechanism to implement a strong RPS. Failure to examine this alternative to the REC program outlined in the Draft Rule would be a missed opportunity to discover a policy that results in tremendous job creation, economic development and more renewable energy per dollar invested. Evidence is mounting that a REP policy far outweighs other procurement models for the large-scale adoption of renewable energy technologies. In his "Review of the Economics of Climate Change", British economist Sir Andrew Stern found that REPs are the most cost-effective renewable policy employed in the

---

<sup>8</sup> Section 366.92(1), Florida Statutes.

<sup>9</sup> Section 366.92(3), Florida Statutes.

<sup>10</sup> Id.



world today.<sup>11</sup> While analyzing New Jersey's energy policy, Summit Blue Consulting found that SRECs were the most costly policy examined and REPs provided the least-cost option.<sup>12</sup> The European Commission found much the same in their comprehensive assessment of Europe's renewable energy policies.<sup>13</sup> Finally, Ernst and Young recently found that when comparing the British REC model with the German Feed-In model, Germans pay 25% less per kilowatt hour for renewable energy and deploy seven times more renewable energy.<sup>14</sup> EDF is concerned that the rule as drafted will not sufficiently encourage the investment needed to meet the Governor's 20% RPS goal by 2020.

By providing priority access to the grid to all renewable producers, long-term contracts attractive to lending institutions and a guaranteed renewable energy market, REPs are a vital tool to help renewable energy producers, both large and small, contribute to meeting the RPS goal. Notably, REPs have attributed to approximately 80% of the world's renewable energy generation and have done so at a fraction of the cost and in significantly less time than traditional RECs programs. The current emphasis on RECs in the RPS Draft Rule appears designed for only one or two large companies to actively participate, much in the same way one solar company in Maryland was able to monopolize the REC market by contracting with a leading utility and thereby supply 60% of the market.<sup>15</sup> In contrast, a REP mechanism supports renewable energy producers of all technologies at all levels to participate in the RPS market. REPs are designed to decline each year as economies of scale grow and grid parity is reached, thus they serve as a temporary, but highly effective, mechanism to meet the RPS. REPs also overcome many of the barriers to market entry for renewable energy producers. In Germany, REPs have had huge success, catapulting renewable energy production from 2% in 1997 to 14.6% in 2007. The jobs story has been equally compelling: renewable energy jobs in Germany now total approximately

---

<sup>11</sup>Stern, Andrew. "Accelerating Technological Innovation." Found at: <[http://www.hm-treasury.gov.uk/media/C/7/Chapter\\_16\\_Accelerating\\_Technological\\_Innovation.pdf](http://www.hm-treasury.gov.uk/media/C/7/Chapter_16_Accelerating_Technological_Innovation.pdf)>.

<sup>12</sup>Summit Blue Consulting. "An Analysis of Potential Ratepayer Impacts of Alternatives for Transmitting the New Jersey Solar Market from Rebates to Market-Based Incentives." April 25, 2007. Found at: <http://www.summitblue.com/documents.php?doctype=reports>.

<sup>13</sup><http://ec.europa.eu>. "The Support for Electricity from Renewable Sources." Found at: [http://ec.europa.eu/governance/impact/docs/ia\\_2005/sec\\_2005\\_1571\\_en.pdf](http://ec.europa.eu/governance/impact/docs/ia_2005/sec_2005_1571_en.pdf).

<sup>14</sup>Ernst & Young. "Renewable Energy Country Attractiveness and Indices." Quarter 1-2, 2008. Found at: <[http://www.ey.com/Global/assets.nsf/International/Industry\\_Uilities\\_Renewable\\_energy\\_country\\_attractiveness\\_indices/\\$file/Industry\\_Uilities\\_Renewable\\_energy\\_country\\_attractiveness\\_indices.pdf](http://www.ey.com/Global/assets.nsf/International/Industry_Uilities_Renewable_energy_country_attractiveness_indices/$file/Industry_Uilities_Renewable_energy_country_attractiveness_indices.pdf)>.

<sup>15</sup> See Exhibit 2 - MDVSEIA Letter, attached.

250,000 and Spain has over 100,000, largely due to the successful implementation of REPs. In this economy, Florida needs more than just energy security and the stabilization of fuel prices; it needs jobs, venture capital investment and economic diversity. Including a REP mechanism within the RPS rule will go a long way to hasten Florida's economic recovery, while providing energy independence and economic potential with significant GHG reduction targets.

We continue to support the Commission's work in RPS rulemaking and look forward to working with you closely as a resource going forward.

Respectfully,

/KEberhardt/

Kellyn Eberhardt

Environmental Defense Fund

## EXHIBIT 1 – TEXAS RPS RULE

### **E, §25.173. Goal for Renewable Energy.**

(a) **Purpose.** The purposes of this section are:

- (1) to ensure that the cumulative installed generating capacity from renewable energy technologies in this state totals 2,280 megawatts (MW) by January 1, 2007, 3,272 MW by January 1, 2009, 4,264 MW by January 1, 2011, 5,256 MW by January 1, 2013, and 5,880 MW by January 1, 2015, with a target of at least 500 MW of the total installed renewable capacity after September 1, 2005, coming from a renewable energy technology other than a source using wind energy, and that the means exist for the state to achieve a target of 10,000 MW of installed renewable capacity by January 1, 2025;
- (2) to provide for a renewable energy credits trading program by which the renewable energy requirements established by the Public Utility Regulatory Act (PURA) §39.904(a) may be achieved in the most efficient and economical manner;
- (3) to encourage the development, construction, and operation of new renewable energy resources at those sites in this state that have the greatest economic potential for capture and development of this state's environmentally beneficial resources;
- (4) to protect and enhance the quality of the environment in Texas through increased use of renewable resources; and
- (5) to ensure that all customers have access to providers of energy generated by renewable energy resources pursuant to PURA §39.101(b)(3).

(b) **Application.** This section applies to power generation companies as defined in §25.5 of this title (relating to Definitions), and retail entities as defined in subsection (c) of this section.

(c) **Definitions.**

- (1) **Compliance period** — A calendar year beginning January 1 and ending December 31 of each year in which renewable energy credits are required of a retail entity.
- (2) **Compliance premium** — A premium awarded by the program administrator in conjunction with a renewable energy credit that is generated by a renewable energy source that is not powered by wind and meets the criteria of subsection (1) of this section. For the purpose of the renewable energy portfolio standard requirements, one compliance premium is equal to one renewable energy credit.
- (3) **Designated representative** — A responsible natural person authorized by the owners or operators of a renewable resource to register that resource with the program administrator. The designated representative must have the authority to represent and legally bind the owners and operators of the renewable resource in all matters pertaining to the renewable energy credits trading program.
- (4) **Existing facilities** — Renewable energy generators placed in service before September 1, 1999.
- (5) **Generation offset technology** — Any renewable technology that reduces the demand for electricity at a site where a customer consumes electricity. An example of this technology is solar water heating.
- (6) **Microgenerator** — A customer who owns one or more eligible renewable energy generating units with a rated capacity of less than 1MW operating on the customer's side of the utility meter.
- (7) **New facilities** — Renewable energy generators placed in service on or after September 1, 1999. A new facility includes the incremental capacity and associated energy from an existing renewable facility achieved through repowering activities undertaken on or after September 1, 1999.
- (8) **Off-grid generation** — The generation of renewable energy in an application that is not interconnected to a utility transmission or distribution system.
- (9) **Program administrator** — The entity approved by the commission that is responsible for carrying out the administrative responsibilities related to the renewable energy credits trading program as set forth in subsection (g) of this section.
- (10) **REC aggregator** — An entity managing the participation of two or more microgenerators in the REC trading program.

- (11) **REC offset (offset)** — A REC offset represents one megawatt-hour (MWh) of renewable energy from an existing facility that is not eligible to earn renewable energy credits or compliance premiums.
  - (12) **Renewable energy credit (REC or credit)** — A REC represents one MWh of renewable energy that is physically metered and verified in Texas and meets the requirements set forth in subsection (e) of this section.
  - (13) **Renewable energy credit account (REC account)** — An account maintained by the renewable energy credits trading program administrator for the purpose of tracking the production, sale, transfer, purchase, and retirement of RECs or compliance premiums by a program participant.
  - (14) **Renewable energy credits trading program (trading program)** — The process of awarding, trading, tracking, and submitting RECs or compliance premiums as a means of meeting the renewable energy requirements set out in subsection (d) of this section.
  - (15) **Renewable energy resource (renewable resource)** — A resource that produces energy derived from renewable energy technologies.
  - (16) **Renewable energy technology** — Any technology that exclusively relies on an energy source that is naturally regenerated over a short time and derived directly from the sun, indirectly from the sun, or from moving water or other natural movements and mechanisms of the environment. Renewable energy technologies include those that rely on energy derived directly from the sun, on wind, geothermal, hydroelectric, wave, or tidal energy, or on biomass or biomass-based waste products, including landfill gas. A renewable energy technology does not rely on energy resources derived from fossil fuels, waste products from fossil fuels, or waste products from inorganic sources.
  - (17) **Renewable Portfolio Standard (RPS)** — The amount of capacity required to meet the requirements of PURA §39.904 pursuant to subsection (h) of this section.
  - (18) **Repowered Facility** — An existing facility that has been modernized or upgraded to use renewable energy technology to produce electricity consistent with this rule.
  - (19) **Retail entity** — Municipally-owned utilities, generation and transmission cooperatives and distribution cooperatives that offer customer choice; retail electric providers (REPs); and investor-owned utilities that have not unbundled pursuant to PURA Chapter 39.
  - (20) **Settlement period** — The first calendar quarter following a compliance period in which the settlement process for that compliance period takes place.
  - (21) **Small producer** — A renewable resource that is less than ten megawatts (MW) in size.
- (d) **Renewable energy credits trading program (trading program).** Renewable energy credits may be generated, transferred, and retired by renewable energy power generators certified pursuant to subsection (n) of this section, retail entities, and other market participants as set forth in this section.
- (1) The program administrator shall apportion an RPS requirement among all retail entities as a percentage of the retail sales of each retail entity as set forth in subsection (h) of this section. Each retail entity shall be responsible for retiring sufficient RECs as set forth in subsections (h) and (k) of this section to comply with this section. The requirement to retire RECs to comply with this section becomes effective on the date a retail entity begins serving retail electric customers in Texas or, for an electric utility, as specified by law.
  - (2) A power generating company may participate in the program and may generate RECs and buy or sell RECs as set forth in subsection (k) of this section.
  - (3) RECs shall be credited on an energy basis as set forth in subsection (k) of this section.
  - (4) Municipally-owned utilities and distribution cooperatives that do not offer customer choice have no RPS requirement. However, regardless of whether the municipally-owned utility or distribution cooperative offers customer choice, a municipally-owned utility or distribution cooperative possessing renewable resources that meet the requirements of subsection (e) of this section may sell RECs generated by such a resource to retail entities as set forth in subsection (k) of this section.
  - (5) Except where specifically stated, the provisions of this section shall apply uniformly to all participants in the trading program.
- (e) **Facilities eligible for producing RECs and compliance premiums in the renewable energy credits trading program.** For a renewable facility to be eligible to produce RECs and compliance premiums in

the trading program it must be either a new facility, a small producer, or a repowered facility as defined in subsection (c) of this section and must also meet the requirements of this subsection.

- (1) A renewable energy resource must not be ineligible under subsection (f) of this section and must register pursuant to subsection (n) of this section.
  - (2) For a renewable energy technology that requires fossil fuel, the facility's use of fossil fuel must not exceed 25.0% of the total annual fuel input on a British thermal unit (BTU) or equivalent basis.
  - (3) For a renewable energy technology that requires the use of fossil fuel that exceeds 2.0% of the total annual fuel input on a BTU or equivalent basis, RECs can only be earned on the renewable portion of the production. A renewable energy resource using a technology described by this paragraph shall comply with the following requirements:
    - (A) A meter shall be installed and periodic tests of the heat content of the fuel shall be conducted to measure the amount of fossil fuel input on a British thermal unit (BTU) or equivalent basis that is used at the facility;
    - (B) The renewable energy resource shall calculate the electricity generated by the unit in MWH, based on the BTUs (or equivalent) produced by the fossil fuel and the efficiency of the renewable energy resource, subtract the MWH generated with fossil fuel input from the total MWH of generation and report the renewable energy generated to the program administrator;
    - (C) The renewable energy resource shall report the generation to the program administrator in the measurements, format and frequency prescribed by the program administrator, which may include a description of the methodology for calculating the non-renewable energy produced by the resource; and
    - (D) The renewable energy resource is subject to audit to verify the accuracy of the data submitted to the program administrator and compliance with this section, to be conducted by the program administrator or an independent third party, as requested by the program administrator. If the program administrator requires a third party audit, the audit shall be performed at the expense of the renewable energy resource.
  - (4) The output of the facility must be readily capable of being physically metered and verified in Texas by the program administrator. Energy from a renewable facility that is delivered into a transmission system where it is commingled with electricity from non-renewable resources before being metered can not be verified as delivered to Texas customers. A facility is not ineligible by virtue of the fact that the facility is a generation-offset, off-grid, or on-site distributed renewable facility if it otherwise meets the requirements of this section.
  - (5) For a municipally owned utility operating a gas distribution system, any production or acquisition of landfill gas that is directly supplied to the gas distribution system is eligible to produce RECs based upon the conversion of the thermal energy in BTUs to electric energy in kWh using for the conversion factor the system wide average heat rate of the gas-fired units of the combined utility's electric system as measured in BTUs per kWh.
  - (6) For industry-standard thermal technologies, the RECs can be earned only on the renewable portion of energy production. Furthermore, the contribution toward statewide renewable capacity megawatt goals from such facilities shall be equal to the fraction of the facility's annual MWh energy output from renewable fuel multiplied by the facility's nameplate MW capacity.
  - (7) For repowered facilities, a facility is eligible to earn RECs on all renewable energy produced up to a capacity of 150 MW. A repowered facility with a capacity greater than 150 MW may earn RECs for the energy produced in proportion to 150 divided by nameplate capacity.
- (f) **Facilities not eligible for producing RECs in the renewable energy credits trading program.** A renewable facility is not eligible to produce RECs in the trading program if it is:
- (1) A renewable energy capacity addition associated with an emissions reductions project described in Health and Safety Code §382.05193, that is used to satisfy the permit requirements in Health and Safety Code §382.0519; or
  - (2) An existing facility that is not a small producer as defined in subsection (c) of this section or has not been repowered as permitted under subsection (e) of this section.

(g) **Responsibilities of program administrator.** The commission shall appoint an independent entity to serve as the trading program administrator. At a minimum, the program administrator shall perform the following functions:

- (1) Create accounts that track RECs or compliance premiums for each participant in the trading program;
- (2) Award RECs or compliance premiums to registered renewable energy facilities on a quarterly basis based on verified meter reads;
- (3) Award offsets to retail entities on an annual basis based on a nomination submitted by the retail entity pursuant to subsection (i) of this section;
- (4) Annually record the retirement of RECs or compliance premiums that each retail entity submits;
- (5) Retire RECs at the end of each REC's compliance life;
- (6) Maintain public information on its website that provides trading program information to interested buyers and sellers of RECs;
- (7) Create an exchange procedure where persons may purchase and sell RECs or compliance premiums. The exchange shall ensure the anonymity of persons purchasing or selling RECs or compliance premiums. The program administrator may delegate this function to an independent third party, subject to commission approval;
- (8) Make public each month the total energy sales of retail entities in Texas for the previous month;
- (9) Perform audits of generators participating in the trading program to verify accuracy of metered production data;
- (10) Allocate the RPS requirement to each retail entity in accordance with subsection (h) of this section; and
- (11) Submit an annual report to the commission. The program administrator shall submit a report to the commission on or before May 15 of each calendar year. The report shall contain information pertaining to renewable energy power generators and retail entities. At a minimum, the report shall contain:
  - (A) the amount of existing and new renewable energy capacity in MW installed in the state by technology type, the owner/operator of each facility, the date each facility began to produce energy, the amount of energy generated in megawatt-hours (MWh) each quarter for all capacity participating in the trading program or that was retired from service; and
  - (B) a listing of all retail entities participating in the trading program, each retail entity's RPS requirement, the number of offsets used by each retail entity, the number of RECs retired by each retail entity, the number of compliance premiums retired by each retail entity, a listing of all retail entities that were in compliance with the RPS requirement, a listing of all retail entities that failed to comply with the RPS requirement, and the deficiency of each retail entity that failed to retire sufficient RECs or compliance premiums to meet its RPS requirement.

(h) **Allocation of RPS requirement to retail entities.** The program administrator shall allocate RPS requirements among retail entities. Any renewable capacity that is retired before January 1, 2015 or any capacity shortfalls that arise due to purchases of RECs from out-of-state facilities shall be replaced and incorporated into the allocation methodology set forth in this subsection. Any changes to the allocation methodology to reflect replacement capacity shall occur two compliance periods after the facility is retired or the capacity shortfall occurs. The program administrator shall use the following methodology to determine the total annual RPS requirement for a given year and the final RPS allocation for individual retail entities:

- (1) The total statewide RPS requirement for each compliance period shall be calculated in terms of MWh and shall be equal to the applicable capacity requirement set forth in this paragraph multiplied by 8,760 hours per year, multiplied by the appropriate capacity conversion factor set forth in subsection (j) of this section. The renewable energy capacity requirements for the compliance period beginning January 1, of the year indicated shall be:

- (A) 1,400 MW of new resources in 2006;



- (B) 1,400 MW of new resources in 2007;
  - (C) 2,392 MW of new resources in 2008;
  - (D) 2,392 MW of new resources in 2009;
  - (E) 3,384MW of new resources in 2010;
  - (F) 3,384 MW of new resources in 2011;
  - (G) 4,376 MW of new resources in 2012;
  - (H) 4,376 MW of new resources in 2013;
  - (I) 5,000 MW of new resources in 2014; and
  - (J) 5,000 MW of new resources for each year after 2014.
- (2) The final RPS allocation for an individual retail entity for a compliance period shall be calculated as follows:
- (A) Each retail entity's preliminary RPS allocation is determined by dividing its total retail energy sales in Texas by the total retail sales in Texas of all retail entities, and multiplying that percentage by the total statewide RPS requirement for that compliance period.
  - (B) The adjusted RPS allocation for each retail entity that is entitled to an offset is determined by reducing its preliminary RPS allocation by the offsets to which it qualifies, as determined under subsection (i) of this section, with the maximum reduction equal to the retail entity's preliminary RPS allocation. The total reduction for all retail entities is equal to the total usable offsets for that compliance period.
  - (C) Each retail entity's final RPS allocation for a compliance period shall be increased to recapture the total usable offsets calculated under subparagraph (B) of this paragraph. The additional RPS allocation shall be calculated by dividing the retail entity's preliminary RPS allocation by the total preliminary RPS allocation of all retail entities. This fraction shall be multiplied by the total usable offsets for that compliance period and this amount shall be added to the retail entity's adjusted RPS allocation to produce the retail entity's final RPS allocation for the compliance period.
- (3) Concurrent with determining final individual RPS allocations for the current compliance period in accordance with this subsection, the program administrator shall recalculate the final RPS allocations for the previous compliance periods, taking into account corrections to retail sales resulting from resettlements. The difference between a retail entity's corrected final RPS allocation and its original final RPS allocation for the previous compliance periods shall be added to or subtracted from the retail entity's final RPS allocation for the current compliance period.
- (i) **Nomination and award of REC offsets.**
- (1) A REP, municipally-owned utility, G&T cooperative, distribution cooperative, or an affiliate of a REP, municipally-owned utility, or distribution cooperative, may apply offsets to meet all or a

- portion of its renewable energy purchase requirement, as calculated in subsection (h) of this section, only if those offsets were nominated in a filing with the commission by June 1, 2001.
- (2) The program administrator shall award offsets consistent with the commission's actions to verify designations of REC offsets and with this section.
  - (3) REC offsets shall be equal to the average annual MWh output of an existing resource for the years 1991-2000 or the entire life of the existing resource, whichever is less.
  - (4) REC offsets qualify for use in a compliance period under subsection (h) of this section only to the extent that:
    - (A) The resource producing the REC offset has continuously since September 1, 1999 been owned by or its output has been committed under contract to a utility, municipally-owned utility, or cooperative (or successor in interest) nominating the resource under paragraph (1) of this subsection or, if the resource has been committed under a contract that expired after September 1, 1999 and before January 1, 2002, it was owned by or its output was committed under contract to a utility, municipally-owned utility, or cooperative on January 1, 2002; and
    - (B) The facility producing the REC offsets is operated and producing energy during the compliance period in a manner consistent with historic practice.
  - (5) If the production of energy from a facility that is eligible for an award of REC offsets ceases for any reason, or if the power purchase agreement with the facility's owner (or successor in interest) that is referred to in paragraph (4)(A) of this subsection has lapsed or is no longer in effect, the retail entity shall no longer be awarded REC offsets related to the facility.
  - (6) REC offsets shall not be traded.
- (j) **Calculation of capacity conversion factor.** The capacity conversion factor used by the program administrator to allocate credits to retail entities shall be calculated during the fourth quarter of each odd-numbered compliance year. The capacity conversion factor shall:
- (1) Be based on actual generator performance data for the previous two years for all renewable resources in the trading program during that period for which at least 12 months of performance data are available.
  - (2) Represent a weighted average of generator performance; and
  - (3) Use all actual generator performance data that is available for each renewable resource, excluding data for testing periods.
- (k) **Production, transfer, and expiration of RECs.** The program administrator shall administer a trading program for renewable energy credits in accordance with the requirements of this subsection.
- (1) The owner of a renewable resource shall earn one REC when a MWh is metered at that renewable resource. The program administrator shall record the energy in metered MWh and credit the REC account of the renewable resource that generated the energy on a quarterly basis. Quarterly production shall be rounded to the nearest whole MWh, with fractions of 0.5 MWh or greater rounded up.
  - (2) The transfer of RECs between parties shall be effective only when the transfer is recorded by the program administrator.
  - (3) The program administrator shall require that RECs be adequately identified prior to recording a transfer and shall issue an acknowledgement of the transaction to parties upon provision of adequate information. At a minimum, the following information shall be provided:
    - (A) identification of the parties;
    - (B) REC serial number, REC issue date, and the renewable resource that produced the REC;
    - (C) the number of RECs to be transferred; and
    - (D) the transaction date.
  - (4) A retail entity shall surrender RECs to the program administrator for retirement from the market in order to meet its RPS requirement for a compliance period. The program administrator will document all REC retirements annually.
  - (5) On or after each April 1, the program administrator will retire RECs that have not been retired by retail entities and have reached the end of their compliance life.
  - (6) The program administrator may establish a procedure to ensure that the award, transfer, and retirement of credits are accurately recorded.

- (7) The issue date of RECs created by a renewable energy resource shall coincide with the beginning of the compliance period (calendar year) in which the credits are generated. All RECs shall have a compliance life of three compliance periods, after which the program administrator will retire them from the trading program.
  - (8) Each REC that is not used in the compliance period in which it was created may be banked and is valid for the next two compliance periods.
- (l) **Target for renewable technologies other than wind power.** In order to meet the target of at least 500 MW of the total installed renewable capacity after September 1, 2005, coming from a renewable energy technology other than a source using wind energy as set forth in subsection (a)(1) of this section, the program administrator shall award compliance premiums to certified REC generators other than those powered by wind that were installed and certified by the commission pursuant to subsection (n) of this section after September 1, 2005. A compliance premium is created in conjunction with a REC.
- (1) For eligible non-wind renewable technologies, one compliance premium shall be awarded for each REC awarded for energy generated after December 31, 2007.
  - (2) Except as provided in this subsection, the award, retirement, trade, and registration of compliance premiums shall follow the requirements of subsections (d), (k) and (m) of this section.
  - (3) A compliance premium may be used by any entity toward its RPS requirement pursuant to subsection (h) of this section.
  - (4) The program administrator shall increase the statewide RPS requirement calculated for each compliance period pursuant to subsection (h)(1) of this section by the number of compliance premiums retired during the previous compliance period.
- (m) **Settlement process.** The first quarter following the compliance period shall be the settlement period during which the following actions shall occur:
- (1) By January 31, the program administrator will notify each retail entity of its total RPS requirement for the previous compliance period as determined pursuant to subsection (h) of this section.
  - (2) By March 31, each retail entity shall submit credits or compliance premiums to the program administrator from its account equivalent to its RPS requirement for the previous compliance period. If the retail entity does not submit sufficient credits or compliance premiums to satisfy its obligation, the retail entity is subject to the penalty provisions in subsection (o) of this section.
  - (3) The program administrator may request the commission to adjust the deadlines set forth in this section if changes to the ERCOT settlement calendar or other factors affect the availability of reliable retail sales data.
- (n) **Certification of renewable energy facilities.** The commission shall certify all renewable facilities that will produce either REC offsets, RECs, or compliance premiums for sale in the trading program. To be awarded RECs, or REC offsets, or compliance premiums, a power generator must complete the certification process described in this subsection. The program administrator shall not award offsets, RECs, or compliance premiums for energy produced by a power generator before it has been certified by the commission.
- (1) The designated representative of the generating facility shall file an application with the commission on a form approved by the commission for each renewable energy generation facility. At a minimum, the application shall include the location, owner, technology, and rated capacity of the facility and shall demonstrate that the facility meets the resource eligibility criteria in subsection (e) of this section. Any subsequent changes to the information in the application shall be filed with the commission within 30 days of such changes.
  - (2) No later than 30 days after the designated representative files the certification form with the commission, the commission shall inform both the program administrator and the designated representative whether the renewable facility has met the certification requirements. At that time, the commission shall either certify the renewable facility as eligible to receive RECs, offsets, or

compliance premiums, or describe any insufficiencies to be remedied. If the application is contested, the time for acting is extended for such time as is necessary for commission action.

- (3) Upon receiving notice of certification of new facilities, the program administrator shall create a REC account for the designated representative of the renewable resource.
  - (4) The commission or program administrator may make on-site visits to any certified facility, and the commission shall decertify any facility if it is not in compliance with the provisions of this section.
  - (5) A decertified renewable generator may not be awarded RECs. However, any RECs awarded by the program administrator and transferred to a retail entity prior to the decertification remain valid.
- (o) **Penalties and enforcement.** If by April 1 of the year following a compliance period the program administrator determines that a retail entity has not retired sufficient credits or compliance premiums to satisfy its allocation, the retail entity shall be subject to an administrative penalty pursuant to PURA §15.023, of \$50 per MWh that is deficient.
- (p) **Microgenerators and REC aggregators.** A REC aggregator may manage the participation of multiple microgenerators in the REC trading program. The program administrator shall assign to the REC aggregator all RECs accrued by the microgenerators who are under a REC management contract with the REC aggregator.
- (1) The microgenerator's units shall be installed and connected to the grid in compliance with P.U.C. Substantive Rules, applicable interconnection standards adopted pursuant to the P.U.C. Substantive Rules, and federal rules.
  - (2) Notwithstanding subsection (e)(3) of this section, a REC aggregator may use any of the following methods for reporting generation to the program administrator, as long as the same method is used for each microgenerator in an aggregation unit, as defined by the REC aggregator. A REC aggregator may have more than one aggregation and may choose any of the methods listed below for each aggregation unit.
    - (A) The REC aggregator may provide the program administrator with production data that is measured and verified by an electronic meter that meets ANSI C12 standards and that will be separate from the aggregator's billing meter for the service address and for which the billing data and the renewable energy data are separate and verifiable data. Such actual data shall be collected and transmitted within a reasonable time and shall be subject to verification by the program administrator. REC aggregators using this method shall be awarded one REC for every MWh generated.
    - (B) The REC aggregator may provide the program administrator with sufficient information for the program administrator to estimate with reasonable accuracy the output of each unit, based on known or observed information that correlates closely with the generation output. REC aggregators using this method shall be awarded one REC for every 1.25 MWh generated. After installing the unit, the certified technician shall provide the microgenerator, the REC aggregator, and the program administrator the information required by the program administrator pursuant to this paragraph (2) of this subsection.
    - (C) A generating unit may have a meter that transmits actual generation data to the program administrator using applicable protocols and procedures. Such protocols and procedures shall require that actual data be collected and transmitted within a reasonable time. REC aggregators using this method shall be awarded one REC for every MWh generated.
  - (3) REC aggregators shall register with the commission and the program administrator and also register to participate in the REC trading program.
  - (4) A microgenerator participating in the REC trading program individually without the assistance of a REC aggregator shall comply with the requirements of this subsection.

## EXHIBIT 2 - MDVSEIA LETTER

January 2, 2008

Peter Lowenthal, Executive Director  
Maryland DC Virginia Solar Energy Industries Association  
4707 Elmhurst Lane  
Bethesda, MD 20814 - 3954

Re: Purchase of Solar Renewable Energy Certificates

To Whom It May Concern:

SunEdison, or its affiliate or subsidiaries ("SunEdison"), intends to purchase Solar Renewable Certificates from members of the Maryland District of Columbia Virginia Solar Energy Industry Association ("MDV-SEIA"). This letter of intent ("LOI") generally describes our objective in this initiative to purchase Solar Renewable Certificates from members of MDV-SEIA.

### BACKGROUND:

- A. The Maryland legislature has adopted the Renewable Energy Portfolio Standard (Annotated Code of Maryland, Public Utility Companies title § 7-701 et seq., as revised by 2007 bills SB 595 and HB 1016).
- B. Solar Renewable Energy Certificates ("RECs") have been approved by the Maryland Public Service Commission ("PSC") as a means of compliance with the Renewable Portfolio Standard ("RPS") established for the State of Maryland.
- C. SunEdison is a member of MDV-SEIA.
- D. SunEdison's objective is to purchase RECs generated by the solar electric facilities, as defined by law, ("Solar Power Plants") owned by members of MDV-SEIA.

### 1. Scope of Letter of Intent

SunEdison intends to negotiate and sign individual REC Purchase Agreements (the

"Definitive Agreements") so that any member of MDV-SEIA meeting the qualifications set forth in this LOI can sell RECs to SunEdison in accordance with the terms and conditions of the Definitive Agreement. The Definitive Agreement is subject to certain qualifications set forth in "Qualification of Systems", and this LOI does not in any way obligate SunEdison to enter into the Definitive Agreement. The term of the Definitive Agreements shall be for 15 years, at the following quantities and pricing.

The following table expresses total incremental quantities of MWh which SunEdison intends to purchase under this program, provided, however, that these terms shall be available only to individual photovoltaic systems whose generating capacity is greater than 10 kW and less than 200 kW.

Year	MWh (REC) per year per New Contracts beginning in 2008	MWh (REC) New Contracts beginning in 2009	MWh (REC) New Contracts beginning in 2010	MWh (REC) New Contracts beginning in 2011	Total MWh under Contract by Calendar Year	Price per MWh (REC) paid in this Calendar Year to all Contracts
2008	660				660	\$324
2009	660	660			1320	\$288
2010	660	660	1980		3300	\$288
2011	660	660	1980	1980	5280	\$252
2012	660	660	1980	1980	5280	\$252
2013	660	660	1980	1980	5280	\$216
2014	660	660	1980	1980	5280	\$216
2015	660	660	1980	1980	5280	\$180
2016	660	660	1980	1980	5280	\$180
2017	660	660	1980	1980	5280	\$144
2018	660	660	1980	1980	5280	\$144
2019	660	660	1980	1980	5280	\$108
2020	660	660	1980	1980	5280	\$108
2021	660	660	1980	1980	5280	\$72
2022	660	660	1980	1980	5280	\$36
2023		660	1980	1980	4620	\$36
2024			1980	1980	3960	\$36
2025				1980	1980	\$36

## 2. Qualification of Systems

In order for SunEdison to determine whether or not you are qualified to enter into the Definitive Agreement, you must provide the following information for SunEdison's review:

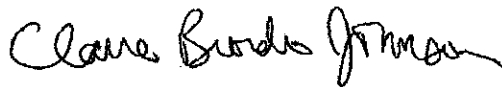


- A. An overall description of your companies' primary functions and staffing with respect to supporting the development of solar photovoltaic projects (e.g. supplier, manufacturer and turn-key installation capability);
- B. Financial Profile.
- C. Photovoltaic Experience (emphasis on the period 2002 to present), inclusive of the following information:
  - List of Clients and References – with project descriptions and project size
  - Scope of project support
  - Project technology (be specific about panel specifications)
  - Other relevant project commercial terms and conditions (e.g., warranties)
  - Project/Solar Plant specific features of note.
- D. Office locations.
- E. Number of experienced key personnel and information regarding lead discipline engineering personnel.
- F. Project management capability and experience involving solar photovoltaic systems.
- G. Operating performance of 3-5 largest photovoltaic installations completed – actual versus expected output, equipment reliability/availability.
- H. Typical maintenance activities for solar photovoltaic systems.
- I. Your present estimated schedule for solar installations given your current workload and project backlog.
- J. The number of completed photovoltaic system installations.

## 2. Additional or Other REC Purchases

This LOI is intended to serve as a "minimum standing offer" to qualified members of MDV-SEIA and should not be interpreted to restrict in any way additional or other REC purchase terms to be negotiated bilaterally between SunEdison and any member of MDV-SEIA.

Sincerely,



Claire Broido Johnson  
VP Environmental Attributes  
SunEdison

**Kimberley Pena**

080503

**From:** Kimberley Pena  
**Sent:** Thursday, August 21, 2008 12:23 PM  
**To:** 'diandv@bellsouth.net'  
**Cc:** Cindy Miller; Karen Webb  
**Subject:** RE: Contact list for RPS docket

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

Per this email, we have added you to the mailing list as an interested person.

Thank you for contacting the Florida Public Service Commission.

Kimberley M. Peña  
Chief Deputy Commission Clerk  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850  
(850) 413-6770

*Done  
08/21/08  
Kmp*

---

**From:** Cindy Miller  
**Sent:** Thursday, August 21, 2008 11:17 AM  
**To:** Kimberley Pena; Karen Webb  
**Subject:** Contact list for RPS docket

Please add: Dian Deevey at [diandv@bellsouth.net](mailto:diandv@bellsouth.net)

1702 Southwest 35th Place  
Gainesville, Fla. 32608

Cindy Miller  
Office of General Counsel  
Florida Public Service Commission  
850-413-6082

8/21/2008

## Kimberley Pena

---

**From:** Kimberley Pena  
**Sent:** Thursday, August 21, 2008 12:19 PM  
**To:** 'Dawn Shirreffs'  
**Cc:** Cindy Miller; Karen Webb  
**Subject:** RE: Docket 080503

Per this email, we have added you to the mailing list as an interested person.

Thank you for contacting the Florida Public Service Commission.

Kimberley M. Peña  
Chief Deputy Commission Clerk  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850  
(850) 413-6770

*Done  
08/21/08  
KMP*

---

**From:** Dawn Shirreffs [mailto:dshirreffs@cleanwater.org]  
**Sent:** Thursday, August 21, 2008 11:56 AM  
**To:** Records Clerk  
**Subject:** Docket 080503

Sir or Madam:

Please add Clean Water Action/Clean Water Fund as an interested party to this docket. Complete contact information is below.

Thank you for your time and attention.

Sincerely,  
Dawn Shirreffs  
Program Coordinator  
Clean Water Action  
Clean Water Fund  
[www.cleanwater.org](http://www.cleanwater.org)

190 Ives Dairy Road, Suite 106  
Miami, Florida 33179  
305.653.9101  
305.653.9108 fax

8/21/2008

**Kimberley Pena**

080503

---

**From:** Kimberley Pena  
**Sent:** Thursday, August 21, 2008 7:38 AM  
**To:** Cindy Miller; Karen Webb  
**Subject:** RE: contact list in rps docket.

Per this email, we will add. Thank you.

---

**From:** Cindy Miller  
**Sent:** Wednesday, August 20, 2008 12:27 PM  
**To:** Kimberley Pena; Karen Webb  
**Subject:** contact list in rps docket.

Please add Ken holden. His e-mail is [kenaholden@aol.com](mailto:kenaholden@aol.com)

23490 Southwest 152nd ave., Homestead, Fla. 33032

Cindy Miller  
Office of General Counsel  
Florida Public Service Commission  
850-413-6082

Done  
08/21/08  
Kmy

8/21/2008

**Kimberley Pena**

080503

**From:** Karen Webb  
**Sent:** Friday, August 08, 2008 11:10 AM  
**To:** Kimberley Pena  
**Cc:** Mark Futrell; JoAnn Chase  
**Subject:** Additions to Contact List

*Done  
08/11/08  
KMP*

<b>FPSC, CLK - CORRESPONDENCE</b>		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
<b>DOCUMENT NO.</b>		06466-08
<b>DISTRIBUTION:</b>		

Hi Kim,

We've just added more names to our contact list and thought you'd like to add them to your list as well.

Contact Person	Organization	Telephone	Email
Marni Zollinger	Cob Creations, LLC	877 300 0187 XT 701; 801 404 2759	marnizollinger@cobcreations.com
Lisa Schanen	FPL	561 691 7184	lisa_schanen@fpl.com
Steve Romig	FPL	561 552 4879	steve_romig@fpl.com
Javier Portuondo	PGN	919 546 4188	Javier.Portuondo@pgnmail.com
Lewis Binswanger	Peoples Gas System	813 228 4733	lmbinswanger@tecoenergy.com
Wayne R. Makin	Peoples Gas System	850 559 1588	wmakin@comcast.net
Doc Horton	Messer, Caparello & Self, PA	850 222 0720	nhorton@lawfla.com
Jim Stanfield	Lakeland Electric	863 834 6541	james.stanfield@lakelandelectric.com
Ray Tull	JEA	904 665 7309	tullre@jea.com
Steve Dunn	JEA	904 665 6524	dunnsh@jea.com
Trevor Quinlan	Liberty Partners FL, LLC		trevor@libertypartnersfl.com
Don Kitner	FPUC		dkitner@fpuc.com
Marc Seagrave	FPUC		mseagrave@fpuc.com
Marc Schneidermann	FPUC		mls@fpuc.com
David Wheeler	City of Tallahassee	850 891 6864	David.Wheeler@talgov.com
Ramiro Sicre	Florida City Gas	305 835 3610	rsicre@aglresources.com
Jeff Sylvester	Chesapeake Utilities	836 224 3937	jsylvester@chpk.com
Scott Carter	AGL Resources	404 584 4136	scarter@aglresources.com
Sergio Abreu	TECO	305 970 2288	sabreu@tecoenergy.com
Jeff Householder	JH & Company	352 422 2908	jhouseholder@agl.com
Luis G. Martinez	NRDC, Southern Alliance for Clean Energy	212 727 4550	lmartinez@nrdc.org

Additionally, we had an e-mail address change for Rob Vickers:  
[robert.vickers@eog.myflorida.com](mailto:robert.vickers@eog.myflorida.com)

Thank you very much!

8/11/2008

Karen

8/11/2008

**Ruth Nettles**

080503

**To:** Cowdery, Kathryn

**Subject:** RE: contact change in Docket No. 080503-EI

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 0646608		
DISTRIBUTION:		

Hi Ms. Cowdery,

I have added Ms. Smallwood to Dockets 080257, 080501; additionally, I have edited the record in 080503, replacing Cowdery for Smallwood. Thank you.

Ruth Nettles

---

**From:** Cowdery, Kathryn [mailto:Kathryn.Cowdery@ruden.com]

**Sent:** Wednesday, August 06, 2008 9:19 AM

**To:** Ruth Nettles

**Subject:** contact change in Docket No. 080503-EI

Ruth: As we discussed yesterday, I am currently receiving faxes concerning notices and such related to Docket No. 080503-EI, and have asked that these communications in the future be sent to Mary Smallwood of Ruden McClosky in Tallahassee. She has the same phone number (850-412-2000) and address (Ruden McClosky, 215 S. Monroe St, Suite 815, Tallahassee, FL 32301) as I currently do. Her fax number is 850-412-1304, and her e-mail address is [mary.smallwood@ruden.com](mailto:mary.smallwood@ruden.com).

Would it be possible for her also to receive such notifications in Dockets 080257-EI and 080501?

Please let me know if there is additional information which I should provide.

Thank you for all your help.

Kathryn

---

IRS Circular 230 Disclosure: Please note that the views expressed herein or in any attachments hereto are not intended to constitute a "reliance opinion" under applicable Treasury Regulations, and accordingly are not intended or written to be used, and may not be used or relied upon, for the purpose of (i) avoiding tax-related penalties that may be imposed by the Internal Revenue Service, or (ii) promoting, marketing or recommending to another party any tax-related matters addressed herein.

Kathryn Cowdery  
Attorney



215 South Monroe Street  
Suite 815  
Tallahassee, FL 32301  
Direct 850-412-2007 | Fax 850-412-1307  
[Kathryn.Cowdery@ruden.com](mailto:Kathryn.Cowdery@ruden.com) | [www.ruden.com](http://www.ruden.com)

NOTICE: This e-mail message and any attachment to this e-mail message contains confidential information that may be legally privileged. If you are not the intended recipient, you must not review, retransmit, convert to hard copy, copy, use or disseminate this e-mail or any attachments to it. If you have received this e-mail in error, please notify us immediately by return e-mail or by telephone at 954-764-6660 and delete this message. Please note that if this e-mail message contains a forwarded message or is a reply to a prior message, some or all of the contents of this message or any attachments may not have been produced by the sender.

8/7/2008



**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena**

080503

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-0		
DISTRIBUTION:		

**From:** Karen Webb  
**Sent:** Thursday, August 07, 2008 7:33 AM  
**To:** Kimberley Pena; Cindy Miller  
**Cc:** JoAnn Chase; Mark Futrell  
**Subject:** RE: Out of Office AutoReply: Order or Notice issued by the Public Service Commission (Email ID = 793034)

Sure, go ahead. We'll do the same for our list.

-----Original Message-----

**From:** Kimberley Pena  
**Sent:** Wednesday, August 06, 2008 4:58 PM  
**To:** Cindy Miller; Karen Webb  
**Cc:** JoAnn Chase; Mark Futrell  
**Subject:** FW: Out of Office AutoReply: Order or Notice issued by the Public Service Commission (Email ID = 793034)

*Done  
08/07/08  
KMP*

Help. Please see below. Mr. Levine was on the mailing list under Tamarack Energy not Haley & Aldrich. Could you let me know if I go ahead and update Tamarack Energy with Mr. Shortlidge's info or if you would prefer something else. Thanks for your help.

-----Original Message-----

**From:** Commission Clerk  
**Sent:** Wednesday, August 06, 2008 12:19 PM  
**To:** Kimberley Pena  
**Subject:** FW: Out of Office AutoReply: Order or Notice issued by the Public Service Commission (Email ID = 793034)

-----Original Message-----

**From:** Levine, Joshua [mailto:JLevine@TamarackEnergy.com]  
**Sent:** Wednesday, August 06, 2008 11:35 AM  
**To:** Commission Clerk  
**Subject:** Out of Office AutoReply: Order or Notice issued by the Public Service Commission (Email ID = 793034)

As of 7/25/08, Josh Levine no longer works at Haley & Aldrich. Please redirect your request to Seth Shortlidge at sshortlidge@haleyaldrich.com

-----  
**NOTICE**

The information contained in this communication is confidential and privileged proprietary information intended only for the individual or entity to whom it is addressed. Any unauthorized use, distribution, copying or disclosure of this communication is prohibited. If you have received this communication in error, please contact the sender immediately.

-----

**Kimberley Pena**

080503

**From:** Kimberley Pena  
**Sent:** Wednesday, August 06, 2008 2:31 PM  
**To:** Karen Webb  
**Cc:** Mark Futrell  
**Subject:** RE: Addition to contact list

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 066466-08		
DISTRIBUTION: _____		

Per this email, we will do so.

---

**From:** Karen Webb  
**Sent:** Monday, August 04, 2008 3:57 PM  
**To:** Kimberley Pena  
**Cc:** Mark Futrell  
**Subject:** Addition to contact list

Hi Kim,

Would you please add Joe Kressman to the contact list for distributions on RPS #080503? His email address is: [Joe.Kerecman@verizon.net](mailto:Joe.Kerecman@verizon.net)

Thank you very much!  
Karen

*me*  
08/07/08  
*Kmf*

8/6/2008

**Clara Leider**

---

**From:** Cowdery, Kathryn [Kathryn.Cowdery@ruden.com]  
**Sent:** Monday, August 04, 2008 9:29 AM  
**To:** Records Clerk  
**Cc:** Smallwood, Mary  
**Subject:** RE: Order or Notice issued by the Public Service Commission (Email ID = 058166)

To whom this may concern: Could you please replace my E-mail address ([kathryn.cowdery@ruden.com](mailto:kathryn.cowdery@ruden.com)) on your mailing list with the following E-mail address: [mary.smallwood@ruden.com](mailto:mary.smallwood@ruden.com)

Thank you for your assistance. If you have any questions, please let me know.

Kathryn Cowdery

---

IRS Circular 230 Disclosure: Please note that the views expressed herein or in any attachments hereto are not intended to constitute a "reliance opinion" under applicable Treasury Regulations, and accordingly are not intended or written to be used, and may not be used or relied upon, for the purpose of (i) avoiding tax-related penalties that may be imposed by the Internal Revenue Service, or (ii) promoting, marketing or recommending to another party any tax-related matters addressed herein.

**Kathryn Cowdery**  
Attorney



215 South Monroe Street  
Suite 815  
Tallahassee, FL 32301  
Direct 850-412-2007 | Fax 850-412-1307  
[Kathryn.Cowdery@ruden.com](mailto:Kathryn.Cowdery@ruden.com) | [www.ruden.com](http://www.ruden.com)

RECEIVED-FPSC  
08 AUG -5 PM 12:21  
COMMISSION  
CLERK

**NOTICE:** This e-mail message and any attachment to this e-mail message contains confidential information that may be legally privileged. If you are not the intended recipient, you must not review, retransmit, convert to hard copy, copy, use or disseminate this e-mail or any attachments to it. If you have received this e-mail in error, please notify us immediately by return e-mail or by telephone at 954-764-6660 and delete this message. Please note that if this e-mail message contains a forwarded message or is a reply to a prior message, some or all of the contents of this message or any attachments may not have been produced by the sender.

---

**From:** Commission Clerk [<mailto:CommissionClerk@psc.state.fl.us>]

8/4/2008

**Sent:** Friday, August 01, 2008 12:44 PM

**Subject:** Order or Notice issued by the Public Service Commission (Email ID = 058166)

The attached order or notice has been issued by the Public Service Commission.

If you have any problems opening this attachment, please contact the Office of Commission Clerk by reply email or at 850-413-6770.

When replying, please do not alter the subject line; as it is used to process your reply.

Thank you.

8/4/2008

**FLORIDA PUBLIC SERVICE COMMISSION  
CASE MANAGEMENT SYSTEM  
PARTY OF RECORD FOR DOCKET 080503-EI**

FIELD	VALUE
Official Party of Record	No
MCD Group	No
Company Code	
Name of Party	Ruden McClosky (Covanta)
Attention	Kathryn Cowdery
Address Line 1	215 South Monroe Street, Suite 815
Address Line 2	
City	Tallahassee
State	FL
Zip Code	32301
Phone 1	850-412-2000
Phone 2	
Fax	224-2032
Email Address	kathryn.cowdery@ruden.com
Alphabetize By	RUDEN MCCLOSKEY (COVANTA)
Represents	
Represented By	
Counties	
Added	07/25/2008   10:19 a.m.   Kimberley Pena
Last Modified	07/25/2008   10:19 a.m.   Kimberley Pena

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena**

080503

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-0		
DISTRIBUTION:		

**From:** Karen Webb  
**Sent:** Thursday, August 07, 2008 7:33 AM  
**To:** Kimberley Pena; Cindy Miller  
**Cc:** JoAnn Chase; Mark Futrell  
**Subject:** RE: Out of Office AutoReply: Order or Notice issued by the Public Service Commission (Email ID = 793034)

Sure, go ahead. We'll do the same for our list.

-----Original Message-----

**From:** Kimberley Pena  
**Sent:** Wednesday, August 06, 2008 4:58 PM  
**To:** Cindy Miller; Karen Webb  
**Cc:** JoAnn Chase; Mark Futrell  
**Subject:** FW: Out of Office AutoReply: Order or Notice issued by the Public Service Commission (Email ID = 793034)

*Done  
08/07/08  
kmf*

Help. Please see below. Mr. Levine was on the mailing list under Tamarak Energy not Haley & Aldrich. Could you let me know if I go ahead and update Tamarak Energy with Mr. Shortlidge's info or if you would prefer something else. Thanks for your help.

-----Original Message-----

**From:** Commission Clerk  
**Sent:** Wednesday, August 06, 2008 12:19 PM  
**To:** Kimberley Pena  
**Subject:** FW: Out of Office AutoReply: Order or Notice issued by the Public Service Commission (Email ID = 793034)

-----Original Message-----

**From:** Levine, Joshua [mailto:JLevine@TamarackEnergy.com]  
**Sent:** Wednesday, August 06, 2008 11:35 AM  
**To:** Commission Clerk  
**Subject:** Out of Office AutoReply: Order or Notice issued by the Public Service Commission (Email ID = 793034)

As of 7/25/08, Josh Levine no longer works at Haley & Aldrich. Please redirect your request to Seth Shortlidge at sshortlidge@haleyaldrich.com

-----  
**NOTICE**

The information contained in this communication is confidential and privileged proprietary information intended only for the individual or entity to whom it is addressed. Any unauthorized use, distribution, copying or disclosure of this communication is prohibited. If you have received this communication in error, please contact the sender immediately.

-----

**Kimberley Pena**

080503

**From:** Kimberley Pena  
**Sent:** Wednesday, August 06, 2008 2:31 PM  
**To:** Karen Webb  
**Cc:** Mark Futrell  
**Subject:** RE: Addition to contact list

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06666-08		
DISTRIBUTION: _____		

Per this email, we will do so.

---

**From:** Karen Webb  
**Sent:** Monday, August 04, 2008 3:57 PM  
**To:** Kimberley Pena  
**Cc:** Mark Futrell  
**Subject:** Addition to contact list

Hi Kim,

Would you please add Joe Kressman to the contact list for distributions on RPS #080503? His email address is: [Joe.Kerecman@verizon.net](mailto:Joe.Kerecman@verizon.net)

Thank you very much!  
Karen

*me*  
*08/07/08*  
*Kmp*

8/6/2008





**BLACK & VEATCH**  
building a world of difference™

ENERGY WATER INFORMATION GOVERNMENT

RECEIVED-FPSC

08 AUG -4 AM 10: 08

COMMISSION  
CLERK

July 29, 2008

08 AUG 4 PM 8 05  
RECEIVED-FPSC

Ms. Hong Wang  
Florida Public Service Commission  
Bureau of Records  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850  
(850) 413-7118

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. <u>06466-08</u>		
DISTRIBUTION: _____		

Dear Ms. Wang;

I would like to be placed on the interested party mailing list for the following Docket Number: 080503-EI PROG MOD B.7 (a); Establishment of rule on renewable portfolio standard.

My mailing address is:

Myron Rollins  
Black & Veatch  
11401 Lamar Avenue  
Overland Park, KS 66211  
(913) 458-7432

*Dme  
8/4/08  
R.V.N.*

Very truly yours,

BLACK & VEATCH CORPORATION

Myron R. Rollins

MRR/mp

## Office of Commission Clerk Official Filing

Ruth Nettles

080503

From: Kimberley Pena  
 Sent: Saturday, August 02, 2008 8:12 AM  
 To: Ruth Nettles  
 Subject: FW: New contact info

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 0 6466-08		
DISTRIBUTION: _____		

Please update info in Dkt. 080503.

-----Original Message-----

From: Karen Webb  
 Sent: Friday, August 01, 2008 7:40 AM  
 To: Kimberley Pena  
 Cc: Mark Futrell  
 Subject: FW: New contact info

Hi Kim,

Would you please update Ms. Binns's information in your contact list for the RPS rulemaking, and would you please add Mr. Rivera, as indicated below.

Thank you very much!  
 Karen

-----Original Message-----

From: Holly Binns [mailto:holly@environmentflorida.org]  
 Sent: Thursday, July 31, 2008 4:45 PM  
 To: Holly Binns  
 Subject: New contact info

Dear friends & colleagues,

I wanted to let you know that Thursday, July 31st will be my last day with Environment Florida. As of Monday, August 4th, I will be working with the Pew Environment Group, managing campaigns to stop overfishing in the Gulf of Mexico and South Atlantic. My new contact information will be:

Holly Binns  
 Pew Environment Group  
 2107 Mulberry Blvd.  
 Tallahassee, FL 32303  
 Email: hbinns@pewtrusts.org  
 Phone: 850-322-7845 (cell)  
 www.pewtrusts.org

*Dme 8/5/08 R.V.N.*

Adam Rivera, Environment Florida's Field Organizer, is now the primary contact for Environment Florida. His email address is adam@environmentflorida.org, and his phone # is 850-224-5944 (office) or 954-801-6909 (cell).

*updated 8/5/08 R.V.N.*

I have enjoyed working with all of you during my eight-plus years with Environment Florida, and am looking forward to working with you in this new capacity.

Take care,

Holly

p.s. Apologies for cross-postings

**Kimberley Pena**

080503

**From:** Kimberley Pena  
**Sent:** Wednesday, July 30, 2008 3:55 PM  
**To:** Cindy Miller  
**Cc:** Karen Webb; Mark Futrell  
**Subject:** RE: RPS Information

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

Per this email, we will do so.

**From:** Cindy Miller  
**Sent:** Wednesday, July 30, 2008 9:42 AM  
**To:** Kimberley Pena  
**Subject:** FW: RPS Information

*Done  
07/31/08  
Kmp*

**From:** Mark Futrell  
**Sent:** Wednesday, July 30, 2008 9:42 AM  
**To:** Karen Webb  
**Cc:** Cindy Miller  
**Subject:** FW: RPS Information

Would you please have Matt added to our contacts list and to the list of interested parties in the RPS docket? Thanks

**From:** Stamatoff, Matthew [mailto:Matthew.Stamatoff@eog.myflorida.com]  
**Sent:** Wednesday, July 30, 2008 9:01 AM  
**To:** Mark Futrell  
**Subject:** RE: RPS Information

Thank you Mark. That will be very helpful

Matthew J. Stamatoff  
 Governor's Energy Office  
 Executive Office of the Governor  
 600 S. Calhoun Street, Suite 251  
 Tallahassee, FL  
 32399-0001  
 Telephone: 850.487.3800

**From:** Mark Futrell [mailto:MFutrell@PSC.STATE.FL.US]  
**Sent:** Tuesday, July 29, 2008 10:39 PM  
**To:** Stamatoff, Matthew  
**Cc:** Karen Webb  
**Subject:** RE: RPS Information

Matt,

We have a contacts list that is used to disseminate information on the RPS and we'll add you to that list.

Also, the RPS has been docketed and you will be added to the interested party list of that docket and will receive  
 7/30/2008

information from our clerk's office on activity in the docket.

We have created a web page for the information provided before and after the 7/11 RPS workshop:

[http://www.psc.state.fl.us/utilities/electricgas/RenewableEnergy/07\\_11\\_2008\\_index.aspx](http://www.psc.state.fl.us/utilities/electricgas/RenewableEnergy/07_11_2008_index.aspx)

This will help give you an idea of where we are in the process. A draft schedule is in a presentation I gave at the workshop.

Mark Futrell

---

**From:** Stamatoff, Matthew [mailto:Matthew.Stamatoff@eog.myflorida.com]  
**Sent:** Tue 7/29/2008 2:43 PM  
**To:** Mark Futrell  
**Subject:** RPS Information

Mark:

Recently in reviewing the Energy Office's responsibilities under the new bill, we assigned contacts to many of the policy objectives and tasks for information/data collection. As the point contact for the RPS development process, I would greatly appreciate any information you can provide as the PSC moves forward with their agenda. Anything at all in reference to the RPS, would be very helpful.

Thank you.

Regards,

Matt

Matthew J. Stamatoff  
Governor's Energy Office  
Executive Office of the Governor  
600 S. Calhoun Street, Suite 251  
Tallahassee, FL  
32399-0001  
Telephone: 850.487.3800

7/30/2008

**Kimberley Pena**

080503

**From:** Kimberley Pena  
**Sent:** Monday, July 28, 2008 10:18 AM  
**To:** Karen Webb; Cindy Miller  
**Cc:** Mark Futrell  
**Subject:** RE: Renewable Energy Data

<b>FPSC, CLK - CORRESPONDENCE</b>		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
<b>DOCUMENT NO.</b> 06466-08		
<b>DISTRIBUTION:</b> _____		

Per this email, we have removed American Wire Group from the list.

---

**From:** Karen Webb  
**Sent:** Monday, July 28, 2008 9:04 AM  
**To:** Cindy Miller; Kimberley Pena  
**Cc:** Mark Futrell  
**Subject:** FW: Renewable Energy Data

Hi Cindy and Kim,

We've removed Susan Powers from our list - will you please remove her from yours?

Thank you,  
 Karen

---

**From:** Mark Futrell  
**Sent:** Monday, July 28, 2008 9:02 AM  
**To:** 'Susan Powers'  
**Cc:** Karen Webb  
**Subject:** RE: Renewable Energy Data

Susan,

We'll remove you from our list, thanks.

Mark Futrell  
 Florida Public Service Commission  
 (850) 413-6692

---

**From:** Susan Powers [mailto:svpowers@buyawg.com]  
**Sent:** Monday, July 28, 2008 9:00 AM  
**To:** Mark Futrell  
**Subject:** RE: Renewable Energy Data

Good morning, Mark,

I am not sure how I got on your mailing list - possibly because I had some communication with Karen Webb regarding having someone in my office speak at a meeting about a year ago. I was receiving an occasional email from her for a while, but lately I have started getting frequent emails, and probably should not be receiving the information being sent out recently regarding staff meetings - which may or may not be sensitive. You may wish to remove me from the list.

Thanks so much,  
 Susan

*Susan V. Powers*

Marketing Director

7/28/2008

American Wire Group  
1920 E Hallandale Beach Blvd  
Suite PH8  
Hallandale FL 33009  
Tel: 954-455-3050  
Fax: 954-455-9886  
[www.buyawg.com](http://www.buyawg.com)

---

**From:** Mark Futrell [mailto:[MFutrell@PSC.STATE.FL.US](mailto:MFutrell@PSC.STATE.FL.US)]  
**Sent:** Friday, July 25, 2008 5:45 PM  
**To:** Mark Futrell  
**Subject:** Renewable Energy Data

At today's technical meeting on renewable energy data submitted by parties, team leaders were identified to coordinate further refinement of the data and to attempt to reach consensus on the data specific to each renewable resource identified.

If you have information on a specific renewable resource, whether you have already submitted data or not, please contact the following team leaders:

Solar & Photoelectrochemical: Bob Reedy - [reedy@fsec.ucf.edu](mailto:reedy@fsec.ucf.edu)

Biomass: Sean Stafford - [sean.stafford@ssd.com](mailto:sean.stafford@ssd.com)

Municipal Solid Waste: Joe Treshler - [jtreshler@covantaenergy.com](mailto:jtreshler@covantaenergy.com)

Waste Heat: Rich Zambo - [richzambo@aol.com](mailto:richzambo@aol.com)

Geothermal & Hydrogen: Bill Ashburn - [wrashburn@tecoenergy.com](mailto:wrashburn@tecoenergy.com)

Ocean & Wind: Henrietta McBee - [Henrietta.G.McBee@fpl.com](mailto:Henrietta.G.McBee@fpl.com)

Hydroelectric: Susan Clark - [sclark@radeylaw.com](mailto:sclark@radeylaw.com)

The attached Excel spreadsheet should be used to submit additional data, or corrections to what was previously submitted.

Team leaders should forward spreadsheets on their renewable resource(s) to Karen Webb: [kwwebb@psc.state.fl.us](mailto:kwwebb@psc.state.fl.us) by 5:00 p.m. Monday, August 11, 2008.

If you have any questions on data or the spreadsheets, contact: Phillip Ellis: [pellis@psc.state.fl.us](mailto:pellis@psc.state.fl.us) or Kathy Lewis: [klewis@psc.state.fl.us](mailto:klewis@psc.state.fl.us).

A technical meeting will be held at 9:30 a.m., Friday, August 15, 2008 in room 140 of the Betty Easley Conference Center to discuss the data submitted.

If you are unable to attend, you may monitor and participate via conference call:

Dial-in Number: 1-888-808-6959

Conference Code: 4136177#

If you have questions on the meeting, contact Karen Webb: [kwwebb@psc.state.fl.us](mailto:kwwebb@psc.state.fl.us)

Good night and good luck,

7/28/2008

Mark Futrell  
Florida Public Service Commission  
(850) 413-6692

7/28/2008

---



**Kimberley Pena**

**From:** Kimberley Pena  
**Sent:** Friday, July 25, 2008 4:02 PM  
**To:** Beth Keating  
**Subject:** RE: Docket No. 080503

<b>FPSC, CLK - CORRESPONDENCE</b>		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
<b>DOCUMENT NO.</b> 06466-08		
<b>DISTRIBUTION:</b> _____		

080503

Per this email, you have been added to the mailing list as an interested person.

---

**From:** Keating, Beth [mailto:beth.keating@akerman.com]  
**Sent:** Friday, July 25, 2008 2:25 PM  
**To:** Records Clerk  
**Subject:** Docket No. 080503

Good afternoon. I would like to ask to be added to the "Interested Persons" listing for Docket No. 080503. The following is my contact information:

Beth Keating  
 Akerman Senterfitt  
 106 East College Ave., Suite 1200  
 Tallahassee, FL 32301  
 (850) 224-9634  
 (850) 521-8002 (direct)  
 (850) 222-0103 (fax)  
 beth.keating@akerman.com

*Done  
 07/25/08  
 lunt*

Thank you very much for your assistance.

Sincerely,

Beth Keating



www.akerman.com | Bio | V Card

**CONFIDENTIALITY NOTE:** The information contained in this transmission may be privileged and confidential information, and is intended only for the use of the individual or entity named above. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this transmission in error, please immediately reply to the sender that you have received this communication in error and then delete it. Thank you.

**CIRCULAR 230 NOTICE:** To comply with U.S. Treasury Department and IRS regulations, we are required to advise you that, unless expressly stated otherwise, any U.S. federal tax advice contained in this transmittal, is not intended or written to be used, and cannot be used, by any person for the purpose of (i) avoiding penalties under the U.S. Internal Revenue Code, or (ii) promoting, marketing or recommending to another party any transaction or matter addressed in this e-mail or attachment.

7/25/2008

**Kimberley Pena**

080503

**From:** Kimberley Pena  
**Sent:** Friday, July 25, 2008 8:17 AM  
**To:** Cindy Miller  
**Cc:** Mark Futrell  
**Subject:** RE: FPSC RPS update

FPSC, CLK - CORRESPONDENCE		
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Parties	<input type="checkbox"/> Consumer
DOCUMENT NO. 06466-08		
DISTRIBUTION: _____		

Per this email, we will add.

**From:** Cindy Miller  
**Sent:** Thursday, July 24, 2008 5:28 PM  
**To:** Kimberley Pena  
**Cc:** Mark Futrell  
**Subject:** FW: FPSC RPS update

Kim -- please add Cliff Orvedal to the contact list. Thanks.

*Done  
07/28/08  
Mf*

**From:** Mark Futrell  
**Sent:** Thursday, July 24, 2008 5:27 PM  
**To:** Cindy Miller  
**Subject:** FW: FPSC RPS update

Please have the clerk's office include him in the list of interested parties in the RPS proceeding.

**From:** Orvedal, Cliff [mailto:COrvedal@TamarackEnergy.com]  
**Sent:** Thursday, July 24, 2008 3:11 PM  
**To:** Mark Futrell  
**Subject:** RE: FPSC RPS update

Hi Mark,  
 Could you please add me to the Florida RPS update email list or point me in the direction of someone who could do that?  
 My colleague is on the list and has been forwarding the messages to me, but I would prefer to receive them directly.

Thank you,  
 Cliff

Cliff Orvedal  
 Project Developer  
**TAMARACK ENERGY, INC.**  
 465 Medford Street, Suite 2200  
 Boston, MA 02129  
 Tel: 617.886.7472  
 Cell: 860.214.3165  
 Fax: 617.886.7772  
[corvedal@TamarackEnergy.com](mailto:corvedal@TamarackEnergy.com)  
[www.TamarackEnergy.com](http://www.TamarackEnergy.com)

**From:** Mark Futrell [mailto:MFutrell@PSC.STATE.FL.US]  
**Sent:** Tuesday, July 22, 2008 5:05 PM  
**To:** Mark Futrell  
**Subject:** FPSC RPS update

7/25/2008

Post-workshop comments to the July 11, 2008 Florida Public Service Commission workshop on RPS have been posted to the workshop page:

[http://www.floridapsc.com/utilities/electricgas/RenewableEnergy/07\\_11\\_2008\\_index.aspx](http://www.floridapsc.com/utilities/electricgas/RenewableEnergy/07_11_2008_index.aspx)

The responses to the July 14, 2008 renewable energy data request are being posted at this time. Please continue to check the workshop page for up to date information.

Just as a reminder, the FPSC staff will hold a technical meeting on July 25, 2008 at 9:30 a.m. in room 140 of the Betty Easley Conference Center to discuss responses to its renewable energy data request.

Interested parties may monitor and participate via conference call:

Dial-in Number: 1-888-808-6959

Conference Code: 4136177#

Mark Futrell  
Florida Public Service Commission  
(850) 413-6692

7/25/2008

**PARTIES****Commission Clerk**

080503

**From:** Karen Webb  
**Sent:** Monday, July 21, 2008 10:14 AM  
**To:** 'Thomas J. Sutton'; Commission Clerk; Mark Futrell  
**Subject:** RE: RPS Contact Information

*Done  
07/21/08  
KWF*

Mr. Sutton,

Thank you very much for your notification. We have removed your personal email address from our distribution list.

---

**From:** Thomas J. Sutton [mailto:thomas@sunshinestatesolarpower.com]  
**Sent:** Monday, July 21, 2008 10:11 AM  
**To:** Karen Webb; Commission Clerk; Mark Futrell  
**Subject:** RPS Contact Information

Good morning ...

I have been receiving correspondence regarding the RPS proceedings and I recently attended the July 11 RPS Workshop. Over the course of these activities, two email addresses of mine were added to the contact list and I receive duplicates of some information.

Please delete my personal email address .. [tnsutton@yahoo.com](mailto:tnsutton@yahoo.com) and revise your records so that only my business email is used .. [thomas@sunshinestatesolarpower.com](mailto:thomas@sunshinestatesolarpower.com) ..

Thank you for consideration of this and I look forward to being involved with the RPS proceedings.

Thomas J. Sutton

Sunshine State Solar Power, LLC  
 2 Princewood Lane  
 Palm Beach Gardens, FL 33410

(W) 561.624.1627  
 (C) 561.301.0565  
[thomas@sunshinestatesolarpower.com](mailto:thomas@sunshinestatesolarpower.com)

Solar .. Clean, Renewable .. The Right Choice For Florida TM

DOCUMENT NUMBER-DATE

06466 JUL 25 08

FPSC-COMMISSION CLERK

----- Original Message -----

Subject: Technical Meeting Dial-in Information

7/21/2008

From: "Karen Webb" <KWWEBB@PSC.STATE.FL.US>  
Date: Thu, July 17, 2008 7:41 am  
To: "Karen Webb" <KWWEBB@PSC.STATE.FL.US>

As previously noticed, the FPSC staff will hold a technical meeting on July 25, 2008 at 9:30 a.m. in room 140 of the Betty Easley Conference Center to discuss responses to its renewable energy data request.

Interested parties may monitor and participate in the FPSC staff technical meeting on July 25, 2008 via conference call:

Dial-in Number: 1-888-808-6959

Conference Code: 4136177#

*Karen W. Webb  
Economic Analyst  
Office of Strategic Projects & Resource Planning  
Florida Public Service Commission  
Voice (850) 413-6992  
Fax (850) 413-6993  
<http://www.psc.state.fl.us/>*

DISCLAIMER: Please note that Florida has a very broad public records law. Most written communications to or from state officials regarding state business are considered to be public records and will be made available to the public and the media upon request. Therefore, your e-mail message may be subject to public disclosure. If you received this e-mail in error, please notify the sender by reply e-mail and then delete this e-mail immediately.

7/21/2008

**Kimberley Pena**

**From:** Karen Webb  
**Sent:** Friday, July 18, 2008 10:57 AM  
**To:** Kimberley Pena; Cindy Miller  
**Cc:** Mark Futrell  
**Subject:** FW: RPS Data Collection

*Dave*  
*07/18/08*  
*kmf*

Hi,  
 Please add Ms. Wade to your listing.

---

**From:** Tommy Carroll [mailto:tcarroll@swpa.ag]  
**Sent:** Friday, July 18, 2008 10:49 AM  
**To:** Karen Webb  
**Cc:** 'Mia Wade at SWPA Inc'  
**Subject:** RE: RPS Data Collection

Karen:

Please add Mia Wade, our Florida Coordinator and Operations Manager to your email list, Her email address is mwade@swpa.ag

Thanks,

Tommy

Tommy Carroll  
 Executive Director  
 P.O. Box 326  
 Forsyth, GA 31029

Office: 478-994-4449  
 Cell: 478-952-2809  
 Fax: 208-361-9810  
 email: tcarroll@swpa.ag  
 website: swpa.ag

---

**From:** Karen Webb [mailto:KWWEBB@PSC.STATE.FL.US]  
**Sent:** Monday, July 14, 2008 4:10 PM  
**To:** Karen Webb  
**Subject:** RPS Data Collection

As mentioned at the July 11, 2008, Commission workshop on renewable portfolio standards, Commission staff is distributing data forms requesting specific data on renewable energy resources. Please find those forms and the associated instructions attached.

Staff asks that your complete responses be submitted to Karen Webb, kwwebb@psc.state.fl.us, no later than 5:00 p.m. on July 21, 2008. Regulated electric utility participants should complete and return all data forms (RPS Data Forms 1 – 6) on all technologies listed. Other participants may choose which technologies, if any, they wish to provide information on. Questions regarding the data forms should be directed to Kathy Lewis at (850) 413-6594, klewis@psc.state.fl.us, or Phillip Ellis at (850) 413-6512, pellis@psc.state.fl.us.

As a reminder, staff will be holding a technical meeting on July 25, 2008, at 9:30 a.m. in room 140 of the Easley Building (Internal Affairs Room). The purpose of this meeting is to discuss the responses to the data

7/18/2008

forms. Questions regarding this technical meeting should be directed to Karen Webb at (850) 413-6992, [kwwebb@psc.state.fl.us](mailto:kwwebb@psc.state.fl.us).

*Karen W. Webb  
Economic Analyst  
Office of Strategic Projects & Resource Planning  
Florida Public Service Commission  
Voice (850) 413-6992  
Fax (850) 413-6993  
<http://www.psc.state.fl.us/>*

DISCLAIMER: Please note that Florida has a very broad public records law. Most written communications to or from state officials regarding state business are considered to be public records and will be made available to the public and the media upon request. Therefore, your e-mail message may be subject to public disclosure. If you received this e-mail in error, please notify the sender by reply e-mail and then delete this e-mail immediately.



**Kimberley Pena**

---

**From:** Karen Webb  
**Sent:** Thursday, July 17, 2008 1:52 PM  
**To:** Cindy Miller; Kimberley Pena  
**Cc:** Mark Futrell  
**Subject:** FW: RPS Data Collection Response

*Done  
07/17/08  
KWP*

Hi,

Update to the contact list. I have made a change here, but you may be interested for your list.

Thank you,

Karen

---

**From:** Hoffman, Jenni E. [mailto:jehoffman@wsgr.com]  
**Sent:** Thursday, July 17, 2008 1:47 PM  
**To:** Karen Webb  
**Cc:** 'Jason Keyes'  
**Subject:** RE: RPS Data Collection Response

Jason Keyes is no longer with Wilson Sonsini. Please update your contact list: [jkeyes@keyesandfox.com](mailto:jkeyes@keyesandfox.com), 206-919-4960. Jason is cc'd here so he will receive your message.

Thank you,  
 Jenni

---

**Jenni E. Hoffman**

Legal Secretary to Andy Braff and John Pierce  
 Wilson Sonsini Goodrich & Rosati  
 701 Fifth Avenue, Suite 5100  
 Seattle, WA 98104-7036  
 Tel: (206) 883.2576/ Fax: (206) 883.2699  
[jehoffman@wsgr.com](mailto:jehoffman@wsgr.com)

---

**From:** Karen Webb [mailto:KWWEBB@PSC.STATE.FL.US]  
**Sent:** Wednesday, July 16, 2008 1:16 PM  
**To:** Karen Webb  
**Subject:** RPS Data Collection Response

Please note that the contact e-mail address for submitting the completed RPS data form responses and for questions on the July 25 technical meeting is [kwwebb@psc.state.fl.us](mailto:kwwebb@psc.state.fl.us). The attachment previously distributed and previously available on the PSC website contained a typographical error. That error has been corrected, and the attachment can be viewed at the following link: [http://www.floridapsc.com/utilities/electricgas/RenewableEnergy/RPS\\_Data\\_Collection.pdf](http://www.floridapsc.com/utilities/electricgas/RenewableEnergy/RPS_Data_Collection.pdf)

We apologize for the inconvenience.

Karen W. Webb  
 Economic Analyst

7/17/2008

*Office of Strategic Projects & Resource Planning  
Florida Public Service Commission  
Voice (850) 413-6992  
Fax (850) 413-6993  
<http://www.psc.state.fl.us/>*

DISCLAIMER: Please note that Florida has a very broad public records law. Most written communications to or from state officials regarding state business are considered to be public records and will be made available to the public and the media upon request. Therefore, your e-mail message may be subject to public disclosure. If you received this e-mail in error, please notify the sender by reply e-mail and then delete this e-mail immediately.

This email and any attachments thereto may contain private, confidential, and privileged material for the sole use of the intended recipient. Any review, copying, or distribution of this email (or any attachments thereto) by others is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and permanently delete the original and any copies of this email and any attachments thereto.

7/17/2008

**Kimberley Pena**

---

**From:** Commission Clerk

**Sent:** Thursday, July 17, 2008 9:31 AM

**To:** Kimberley Pena

**Subject:** more kickbacks for notice of staff technical meeting

Smurfit-Stone (3)

Scalzo Development

7/17/2008

## Kimberley Pena

---

**From:** Commission Clerk  
**Sent:** Tuesday, July 15, 2008 3:57 PM  
**To:** Kimberley Pena  
**Subject:** email kickbacks- 070000

The following were kicked back on email and have no other contact information (i.e. fax or address)

- ✓ Department of Management Services (2)  
    Juanita Whitaker@fpl.com (couldn't locate a company for this email)
- ✓ JEA (1)
- ✓ Airtricity
- ✓ Mitsubishi Power Systems (Wind Energy)
- ✓ CF Industries, Inc.
- ✓ SACE  
    Atlas Solar Innovation
- ✓ Florida Electric Cooperatives Association (2)
- ✓ FL Senate (2)
- ✓ City of Lake Worth Utilities
- ✓ All Source Energy Inc.

**Airtricity**

Email: [US-info@airtricity.com](mailto:US-info@airtricity.com)

**All Source Energy, Inc.**

Jack Valent

Phone: 239-726-6175

Email: [jvalent@allsourceenergy.com](mailto:jvalent@allsourceenergy.com)

**CF Industries, Inc.**

Henry Lilly

Phone: 863-375-3008

Email: [hclilly@cfiel.com](mailto:hclilly@cfiel.com)

**City of Lake Worth Utilities**

Samy Faried

Email: [sfaried@lakeworth.org](mailto:sfaried@lakeworth.org)

**Department of Management Services (2)**

Dan Hedrich

Phone: 850-413-9515

Email: [daniel.hedrich@dms.myflorida.com](mailto:daniel.hedrich@dms.myflorida.com)

**FL Senate (2)**

Ben Stuart

Phone: 850-487-5722

Email: [bstuart@flsenate.gov](mailto:bstuart@flsenate.gov)

**Florida Electric Cooperatives Association (2)**

Bill Willingham

Email: [fecabill@earthlink.net](mailto:fecabill@earthlink.net)

**JEA (1)**

Berdell Knowles

Phone: 904-665-4524

Email: [knowb@jea.com](mailto:knowb@jea.com)

**Mitsubishi Power Systems (Wind Energy)**

Chris Lambert

Email: [clambert@mpshq.com](mailto:clambert@mpshq.com)

**SACE**

John Wilson

Phone: 828-224-5944

Email: [wilson@cleanenergy.com](mailto:wilson@cleanenergy.com)

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena**

---

**From:** Kimberley Pena  
**Sent:** Tuesday, July 15, 2008 11:08 AM  
**To:** Cindy Miller; JoAnn Chase; Karen Webb  
**Subject:** FW: My contact

*Done  
05/17/08  
Kmp*

Please add the below person to your list. I will be adding the below person to the CLK list. Also, could someone respond to her question. I was told that a docket was going to be opened, but I don't have all the information. Thanks for your help.

-----Original Message-----

**From:** Ruth McHargue  
**Sent:** Friday, July 11, 2008 12:32 PM  
**To:** Kimberley Pena  
**Subject:** FW: My contact

Does this request go to you?

-----Original Message-----

**From:** Consumer Contact  
**Sent:** Friday, July 11, 2008 9:06 AM  
**To:** Ruth McHargue  
**Subject:** FW: My contact

Please forward

-----Original Message-----

**From:** Webmaster  
**Sent:** Friday, July 11, 2008 8:50 AM  
**To:** Consumer Contact  
**Subject:** FW: My contact

-----Original Message-----

**From:** [contact@psc.state.fl.us](mailto:contact@psc.state.fl.us) [mailto:contact@psc.state.fl.us]  
**Sent:** Thursday, July 10, 2008 8:36 PM  
**To:** Webmaster  
**Subject:** My contact

Contact from a Web user

Contact Information:

**Name:** Shayle Kann  
**Company:**  
**Primary Phone:**  
**Secondary Phone:**  
**Email:** shayle.kann@gmail.com

**Kimberley Pena**

**From:** Kimberley Pena  
**Sent:** Tuesday, July 15, 2008 8:23 AM  
**To:** Cindy Miller; 'Vicki Kaufman'  
**Cc:** Judy Harlow; Mark Futrell  
**Subject:** RE: RPS docket

Per this email, we will update.

*Did not  
add per  
follow up email  
from Karen Webb.  
07/15/08  
Vmt*

---

**From:** Cindy Miller  
**Sent:** Monday, July 14, 2008 9:17 AM  
**To:** 'Vicki Kaufman'  
**Cc:** Judy Harlow; Mark Futrell; Kimberley Pena  
**Subject:** RE: RPS docket

Hey Vicki -- by this e-mail, I'm asking Kim Pena to add their names to the list.

Also, it is my understanding that the data request will go out today.

Cindy

---

**From:** Vicki Kaufman [mailto:vkaufman@asglegal.com]  
**Sent:** Monday, July 14, 2008 8:57 AM  
**To:** Cindy Miller; Judy Harlow  
**Subject:** RPS docket

Good morning ladies. Two things:

1. Would you be sure to include the following folks on your email distro:

Frank Ferraro [fferraro@wm.com](mailto:fferraro@wm.com)


Patrick Jeffrey [pjeff@wm.com](mailto:pjeff@wm.com)

2. Also, I was a little confused regarding the data request, especially given the July 21<sup>st</sup> due date. When will the parties receive it?

Thanks!

*Vicki Gordon Kaufman*

*vkaufman@asglegal.com*

 cid:image001.jpg@01

Anchors Smith Grimsley

7/15/2008

The Perkins House  
118 N. Gadsden St.  
Tallahassee, FL 32301  
850-681-3828 (Voice)  
850-681-8788 (Fax)  
850-218-0454 (Blackberry Cell)

The information contained in this e-mail is confidential and may be subject to the attorney client privilege or may constitute privileged work product. The information is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, or the agent or employee responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you receive this e-mail in error, please notify us by telephone or return e-mail immediately. Thank you.

7/15/2008



## Kimberley Pena

---

**From:** Kimberley Pena  
**Sent:** Tuesday, July 15, 2008 8:04 AM  
**To:** Cindy Miller  
**Cc:** Mark Futrell; Judy Harlow; Karen Webb; JoAnn Chase  
**Subject:** RE: E-mail contact list on RPS

Per this email, we will do so.

---

**From:** Cindy Miller  
**Sent:** Monday, July 14, 2008 2:42 PM  
**To:** Kimberley Pena  
**Cc:** Mark Futrell; Judy Harlow; Karen Webb; JoAnn Chase  
**Subject:** E-mail contact list on RPS

Please add Suzanne Brownless -- sbrownless@comcast.net

Cindy Miller  
Office of General Counsel  
Florida Public Service Commission  
850-413-6082

*Done  
07/15/08  
KMP*

## Kimberley Pena

**From:** Kimberley Pena  
**Sent:** Tuesday, July 15, 2008 8:03 AM  
**To:** Karen Webb; Cindy Miller  
**Subject:** RE: RPS Data Collection

Per this email, we will do so.

*Done  
07/15/08  
KWP*

---

**From:** Karen Webb  
**Sent:** Tuesday, July 15, 2008 7:39 AM  
**To:** Cindy Miller; Kimberley Pena  
**Subject:** FW: RPS Data Collection

I have removed this person from our list, would you please remove her from your list?

Thank you!

---

**From:** Cary Berkley [mailto:cary@ef.org]  
**Sent:** Monday, July 14, 2008 4:25 PM  
**To:** Karen Webb  
**Subject:** Re: RPS Data Collection

Please unsubscribe me from this mailing list.

Kind regards,  
Cary Berkley

---

Cary Berkley  
Senior Program Associate  
Energy Foundation  
Web: [www.ef.org](http://www.ef.org)  
Phone: 415.561.6700 ext. 109  
Fax: 415.561.6709

On 7/14/08 1:10 PM, "Karen Webb" <KWWEBB@PSC.STATE.FL.US> wrote:

As mentioned at the July 11, 2008, Commission workshop on renewable portfolio standards, Commission staff is distributing data forms requesting specific data on renewable energy resources. Please find those forms and the associated instructions attached.

Staff asks that your complete responses be submitted to Karen Webb, [kwwebb@psc.state.fl.us](mailto:kwwebb@psc.state.fl.us), no later than 5:00 p.m. on July 21, 2008. Regulated electric utility participants should complete and return all data forms (RPS Data Forms 1 – 6) on all technologies listed. Other participants may choose which technologies, if any, they wish to provide information on. Questions regarding the data forms should be directed to Kathy Lewis at (850) 413-6594, [klewis@psc.state.fl.us](mailto:klewis@psc.state.fl.us), or Phillip Ellis at (850) 413-6512, [pellis@psc.state.fl.us](mailto:pellis@psc.state.fl.us).

As a reminder, staff will be holding a technical meeting on July 25, 2008, at 9:30 a.m. in room 140 of the Easley Building (Internal Affairs Room). The purpose of this meeting is to discuss

7/15/2008

the responses to the data forms. Questions regarding this technical meeting should be directed to Karen Webb at (850) 413-6992, [kwebb@psc.state.fl.us](mailto:kwebb@psc.state.fl.us).

Karen W. Webb  
Economic Analyst  
Office of Strategic Projects & Resource Planning  
Florida Public Service Commission  
Voice (850) 413-6992  
Fax (850) 413-6993  
<http://www.psc.state.fl.us/> <<http://www.psc.state.fl.us/>>

DISCLAIMER: Please note that Florida has a very broad public records law. Most written communications to or from state officials regarding state business are considered to be public records and will be made available to the public and the media upon request. Therefore, your e-mail message may be subject to public disclosure. If you received this e-mail in error, please notify the sender by reply e-mail and then delete this e-mail immediately.

**Kimberley Pena**

**From:** Karen Webb  
**Sent:** Monday, July 14, 2008 1:37 PM  
**To:** Cindy Miller; Kimberley Pena  
**Subject:** FW: RPS docket  
**Attachments:** Contacts Added 7 11 2008.xls

*Done  
05/17/08  
Kmf*

Hi Cindy and Kim,

Please note that on the attached document, Tom Larson's email address ends with ".org" and not ".com". I apologize for the mistake.

---

**From:** Karen Webb  
**Sent:** Monday, July 14, 2008 10:37 AM  
**To:** Cindy Miller; Kimberley Pena  
**Cc:** Mark Futrell  
**Subject:** FW: RPS docket

Attached please find the list of contacts added to our list as of July 11, 2008. Please also note that in a presentation he gave last year at the PSC, Patrick Jeffery spelled his name differently than as indicated below, and therefore he is already included in our contact list under "Jeffery". Mr. Ferraro was previously included on the list as well.

Please let me know if anything further is needed.

Karen

---

**From:** Mark Futrell  
**Sent:** Monday, July 14, 2008 10:30 AM  
**To:** Karen Webb  
**Cc:** Judy Harlow  
**Subject:** FW: RPS docket

Karen,

Please make sure the folks below are on our contacts list.

Also, forward the names of those you added Friday to Cindy and Kim Pena.

Thanks,  
 Mark

---

**From:** Cindy Miller  
**Sent:** Monday, July 14, 2008 9:17 AM  
**To:** 'Vicki Kaufman'  
**Cc:** Judy Harlow; Mark Futrell; Kimberley Pena  
**Subject:** RE: RPS docket

Hey Vicki -- by this e-mail, I'm asking Kim Pena to add their names to the list.

Also, it is my understanding that the data request will go out today.

Cindy

7/15/2008

**From:** Vicki Kaufman [mailto:vkaufman@asglegal.com]  
**Sent:** Monday, July 14, 2008 8:57 AM  
**To:** Cindy Miller; Judy Harlow  
**Subject:** RPS docket

Good morning ladies. Two things:

1. Would you be sure to include the following folks on your email distro:

Frank Ferraro [fferraro@wm.com](mailto:fferraro@wm.com)

Patrick Jeffrey [pjeff@wm.com](mailto:pjeff@wm.com)

2. Also, I was a little confused regarding the data request, especially given the July 21<sup>st</sup> due date. When will the parties receive it?

Thanks!

*Vicki Gordon Kaufman*

[vkaufman@asglegal.com](mailto:vkaufman@asglegal.com)

 [cid:image001.jpg@01](#)

Anchors Smith Grimsley  
The Perkins House  
118 N. Gadsden St.  
Tallahassee, FL 32301  
850-681-3828 (Voice)  
850-681-8788 (Fax)  
850-218-0454 (Blackberry Cell)

The information contained in this e-mail is confidential and may be subject to the attorney client privilege or may constitute privileged work product. The information is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, or the agent or employee responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you receive this e-mail in error, please notify us by telephone or return e-mail immediately. Thank you.

7/15/2008

## Kimberley Pena

---

**From:** Kimberley Pena  
**Sent:** Tuesday, July 15, 2008 8:06 AM  
**To:** Karen Webb  
**Subject:** RE: RPS docket

Per this email, we will update.

---

**From:** Karen Webb  
**Sent:** Monday, July 14, 2008 1:37 PM  
**To:** Cindy Miller; Kimberley Pena  
**Subject:** FW: RPS docket

Hi Cindy and Kim,

Please note that on the attached document, Tom Larson's email address ends with ".org" and not ".com". I apologize for the mistake.

---

**From:** Karen Webb  
**Sent:** Monday, July 14, 2008 10:37 AM  
**To:** Cindy Miller; Kimberley Pena  
**Cc:** Mark Futrell  
**Subject:** FW: RPS docket

Attached please find the list of contacts added to our list as of July 11, 2008. Please also note that in a presentation he gave last year at the PSC, Patrick Jeffery spelled his name differently than as indicated below, and therefore he is already included in our contact list under "Jeffery". Mr. Ferraro was previously included on the list as well.

Please let me know if anything further is needed.

Karen

---

**From:** Mark Futrell  
**Sent:** Monday, July 14, 2008 10:30 AM  
**To:** Karen Webb  
**Cc:** Judy Harlow  
**Subject:** FW: RPS docket

Karen,

Please make sure the folks below are on our contacts list.

Also, forward the names of those you added Friday to Cindy and Kim Pena.

Thanks,  
Mark

---

**From:** Cindy Miller  
**Sent:** Monday, July 14, 2008 9:17 AM  
**To:** 'Vicki Kaufman'  
**Cc:** Judy Harlow; Mark Futrell; Kimberley Pena  
**Subject:** RE: RPS docket

7/15/2008

Hey Vicki -- by this e-mail, I'm asking Kim Pena to add their names to the list.

Also, it is my understanding that the data request will go out today.

Cindy

---

**From:** Vicki Kaufman [mailto:vkaufman@asglegal.com]  
**Sent:** Monday, July 14, 2008 8:57 AM  
**To:** Cindy Miller; Judy Harlow  
**Subject:** RPS docket

Good morning ladies. Two things:

1. Would you be sure to include the following folks on your email distro:

Frank Ferraro fferraro@wm.com

Patrick Jeffrey pjeff@wm.com

2. Also, I was a little confused regarding the data request, especially given the July 21<sup>st</sup> due date. When will the parties receive it?

Thanks!

*Vicki Gordon Kaufman*

*vkaufman@asglegal.com*

 cid:image001.jpg@01

Anchors Smith Grimsley  
The Perkins House  
118 N. Gadsden St.  
Tallahassee, FL 32301  
850-681-3828 (Voice)  
850-681-8788 (Fax)  
850-218-0454 (Blackberry Cell)

The information contained in this e-mail is confidential and may be subject to the attorney client privilege or may constitute privileged work product. The information is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, or the agent or employee responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you receive this e-mail in error, please notify us by telephone or return e-mail immediately. Thank you.

7/15/2008

Contact Person	Organization	Telephone
Carl Weinrich	Dioko Environmental Company / Solar-Ray	407-574-4375
Buck Martinez	FPL (10)	561-719-1777
Michele Curtis	Buckeye (2)	850-838-7420
Eric Draper	Audubon of Florida	850-224-7546
Anne Blair	Southern Alliance for Clean Energy (2)	404-373-5832
Bob Niekum	Progress Energy (12)	727-820-4550
Chris Etherton	Plum Creek Timber Company	386-496-2215 X13
Roy Ratner	Atlas Solar (1)	877-299-solar
Andrew Russ	Atlas Solar (2)	877-299-solar
Randy Bean	Florida Solar Innovators	954-557-4774
Rod Guntherberg	Atlas Solar Innovation	
Christy Herig	Solar Electric Power Corp.	727-543-1285
Carlos Suastegui	FPL (11)	305-552-2351
Mike Kuchler	Atlas Solar (3)	954-917-4978
Vicki Gordon Kaufman	Anchors Smith Grimsley (2)	850-681-3828
Rick Bachmeier	Gainesville Regional Utilities/City of Gainesville (3)	352-393-1284
Kellyn Eberhardt	Environmental Defense Fund	941-309-5398
Tom Larson	Southern Alliance for Clean Energy (3)	904-710-5538
Jim Dean	Weldon-Dean Associates	850-980-6028
Sabrina Spradley	FPL (12)	305-608-7949
Mike Branch	Smurfit-Stone (3)	904-277-5824



**Email**

[carl@diokoenergy.com](mailto:carl@diokoenergy.com)  
[buck\\_martinez@fpl.com](mailto:buck_martinez@fpl.com)  
[michele\\_curtis@bkitech.com](mailto:michele_curtis@bkitech.com)  
[edraper@audubon.org](mailto:edraper@audubon.org)  
[anne@cleanenergy.org](mailto:anne@cleanenergy.org)  
[robert.niekum@pgnmail.com](mailto:robert.niekum@pgnmail.com)  
[chris.etherton@plumcreek.com](mailto:chris.etherton@plumcreek.com)  
[rr@atlas-solar.com](mailto:rr@atlas-solar.com)  
[ar@atlas-solar.com](mailto:ar@atlas-solar.com)  
[randybean@floridasolarinnovators.com](mailto:randybean@floridasolarinnovators.com); [randyab123@aol.com](mailto:randyab123@aol.com)  
[rguntherberg@aol.com](mailto:rguntherberg@aol.com); [rg@atlas-solar.com](mailto:rg@atlas-solar.com)  
[cherig@solarelectricpower.org](mailto:cherig@solarelectricpower.org)  
[carlos\\_suastegui@fpl.com](mailto:carlos_suastegui@fpl.com)  
[roofing752@aol.com](mailto:roofing752@aol.com)  
[vkaufman@asglegal.com](mailto:vkaufman@asglegal.com)  
[bachmeierrd@gru.com](mailto:bachmeierrd@gru.com)  
[keberhardt@edf.org](mailto:keberhardt@edf.org)  
[tlarson@cleanenergy.com](mailto:tlarson@cleanenergy.com) <sup>org</sup>  
[idean@weldon-dean.com](mailto:idean@weldon-dean.com)  
[sabrina\\_spradley@fpl.com](mailto:sabrina_spradley@fpl.com)  
[mbranch@smufit.com](mailto:mbranch@smufit.com)

TO: FLORIDA PUBLIC SERVICE COMMISSION  
OFFICE OF COMMISSION CLERK  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

*True 07/09/08*  
*KMP*

CHANGE OF INFORMATION ON REGULATED UTILITY

*Not needed - in party list in 070000 -DT*

<b>Official Company Name:</b> (As appears on certificate) Lake County, FL	<b>Mailing Name:</b> (Must be part of official company name; 58 characters or less) Lake County
<b>Certificate No:</b> (A separate form must be used for each certificate number)	<b>Physical Location:</b> 315 W Main St Tavares, FL 32778 -3813
<b>Attention Line:</b> (Person to whom all official FPSC correspondence is addressed) Jeffrey Cooper	<b>Mailing Address:</b> P.O. Box 7800 Tavares, FL 32778 -7800
<b>Liaison Officer(s)</b>	
<b>Officer No. 1:</b> <b>Name:</b> Jeffrey S Cooper <b>Title:</b> Contract Administrator <b>Telephone No:</b> 352-343-9651 <b>Fax No:</b> 352-343-9473 <b>E-mail Address:</b> jcooper@lakecountyfl.gov	<b>Officer No. 2:</b> <b>Name:</b> <b>Title:</b> <b>Telephone No:</b> <b>Fax No:</b> <b>E-mail Address:</b>
<b>Company Website Address:</b> www.lakecountyfl.gov	

SUBMITTED BY COMPANY REPRESENTATIVE:

Name: Jeffrey Cooper

Title: Contract Administrator

Telephone No: 352-343-9651

Date: 7/9/08

*over*  
*↓*

**Clara Leider**

---

**From:** Cooper, Jeff [JCooper@lakecountyfl.gov]  
**Sent:** Wednesday, July 09, 2008 9:56 AM  
**To:** Records Clerk  
**Subject:** Information update  
**Attachments:** PSC info update form.doc

Please accept the attached "Change of Information on Regulated Utility Form" to update the part of record for Docket 070000-OT. The email address was incorrect and there was no fax number. Thank you for your attention.

<<PSC info update form.doc>>

**Jeffrey S. Cooper**

Contractual Services Administrator

Office of Procurement Services

Lake County Board of County Commissioners

jcooper@lakecountyfl.gov

352-343-9651

352-874-2048 Cell

352-343-9473 Fax

*over*  
↓

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena**

---

**From:** Karen Webb  
**Sent:** Wednesday, July 09, 2008 1:57 PM  
**To:** Kimberley Pena  
**Subject:** RE: Addition to Clerk's List on RPS

Thank you!

-----Original Message-----

**From:** Kimberley Pena  
**Sent:** Wednesday, July 09, 2008 1:51 PM  
**To:** Cindy Miller; Karen Webb  
**Subject:** RE: Addition to Clerk's List on RPS

*Done  
07/15/08  
KMP*

Per this email, we will add to the RPS list.

Kimberley M. Peña  
Chief Deputy Commission Clerk  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850  
(850) 413-6770

-----Original Message-----

**From:** Cindy Miller  
**Sent:** Wednesday, July 09, 2008 1:25 PM  
**To:** Karen Webb  
**Cc:** Kimberley Pena  
**Subject:** RE: Addition to Clerk's List on RPS

Yes. I will forward it to Kim Pena who has been working on the list. Thanks, Karen.

-----Original Message-----

**From:** Karen Webb  
**Sent:** Wednesday, July 09, 2008 12:49 PM  
**To:** Cindy Miller  
**Cc:** Mark Futrell  
**Subject:** Addition to Clerk's List on RPS

Hi Cindy,

I understand that you are the person to contact in order to add a name to the list that the Clerk's office is building for the RPS rulemaking. Is that correct? If so, could we please add this person:

Name: Jeff Deyette  
Company: Union of Concerned Scientists

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

Primary Phone: 617-301-8012

Email: [jdeyette@ucsusa.org](mailto:jdeyette@ucsusa.org)

If not, do you know the best person to contact?

Thank you,

Karen

**Kimberley Pena**

**From:** JoAnn Chase  
**Sent:** Tuesday, July 08, 2008 1:42 PM  
**To:** Kimberley Pena  
**Cc:** Ann Cole; Cindy Miller  
**Subject:** RE: Parties List

*Done  
07/08/08  
KMP*

The email for Dennis Brandt is dennis\_brandt@fpl.com.  
 His last name is misspelled in the email noted below. That is probably why the email was returned.

I'll check on the others when I get a chance and let you know.

---

**From:** Kimberley Pena  
**Sent:** Tuesday, July 08, 2008 1:39 PM  
**To:** Cindy Miller; JoAnn Chase  
**Cc:** Ann Cole  
**Subject:** RE: Parties List

Cindy and JoAnn, just letting you know that we had kickbacks (returned e-mails) for the below listings. Since these are the only contact information given to us, we were not able to follow through in providing notice. If a docket is established, we will not be able to add these entries without additional contact information.

**Department of Management Services (1)**

Andrew Collins  
 Phone: 850-488-6684  
 Email: [andrew.collins@dms.myflorida.com](mailto:andrew.collins@dms.myflorida.com)

**Florida Power and Light (2)**

Dennis Brandt  
 Phone: 305-552-3833  
 Email: [dennis\\_brant@fpl.com](mailto:dennis_brant@fpl.com)

**Airtricity**

Email: [US-info@airtricity.com](mailto:US-info@airtricity.com)

**CF Industries, Inc.**

Henry Lilly  
 Phone: 863-375-3008  
 Email: [hclilly@cfiel.com](mailto:hclilly@cfiel.com)

**SACE**

John Wilson  
 Phone: 828-224-5944  
 Email: [wilson@cleanenergy.com](mailto:wilson@cleanenergy.com)

**Mitsubishi Power Systems (Wind Energy)**

Chris Lambert  
 Email: [clambert@mpshq.com](mailto:clambert@mpshq.com)

**FL Senate (2)**

Ben Stuart  
 Phone: 850-487-5722

7/8/2008

Email: bstuart@flsenate.gov

**All Source Energy Co (PV)**

Bill Toth

Phone: 239-292-9385

Email: wstoth@comcast.net

**City of Lake Worth Utilities**

Samy Faried

Email: sfaried@lakeworth.org

---

**From:** Kimberley Pena

**Sent:** Thursday, June 26, 2008 4:48 PM

**To:** JoAnn Chase

**Cc:** Cindy Miller

**Subject:** Parties List

The Humanity!!! We are done entering!

We did not include entries for:

Rick Vickers, Ben Stuart, Charles Bronson, Frankie Curlee, A.K. "Ben" Sharma, Athena Mann, Mark Scher, Alex Glenn, Ben Gilbert, Chris Kise, Connie Shivers, Janet Lewis, and Rob Housapian.

We need area codes for:

Tim Qualls, Sam Bell, Larry George, Patrick Detscher, Jennifer Green, and Joanna Bonfanti.

Please provide zip code for:

David Smith, US Solar Energy.

We did not include the address provided for the following because the system did not recognize the zip code:

Rick Neal and Kelly Fore.

Double check email address for:

Yi Zhi, FDEP - confirm which name is correct and we will update accordingly.

Please confirm that address for Terry Cole should be 301 S. Bronough St.

I will add entries for Mr. Mack and Jeremy.

7/8/2008

**Commission Clerk**

---

**From:** Commission Clerk  
**Sent:** Tuesday, July 08, 2008 1:52 PM  
**Subject:** Order or Notice issued by the Public Service Commission (Email ID = 766568)  
**Attachments:** 05588-08.pdf

The attached order or notice has been issued by the Public Service Commission.

If you have any problems opening this attachment, please contact the Office of Commission Clerk by reply email or at 850-413-6770.

When replying, please do not alter the subject line; as it is used to process your reply.

Thank you.

7/8/2008



## Commission Clerk

---

**From:** System Administrator  
**To:** webmaster@montenay-onyx.com  
**Sent:** Tuesday, July 08, 2008 1:52 PM  
**Subject:** Undeliverable: Order or Notice issued by the Public Service Commission (Email ID = 766568)

Your message did not reach some or all of the intended recipients.

**Subject:** Order or Notice issued by the Public Service Commission (Email ID = 766568)  
**Sent:** 7/8/2008 1:52 PM

The following recipient(s) could not be reached:

webmaster@montenay-onyx.com on 7/8/2008 1:52 PM

The destination server for this recipient could not be found in Domain Name Service (DNS). Please verify the email address and retry. If that fails, contact your administrator.

<mail.psc.state.fl.us #5.4.0>

## Commission Clerk

---

**From:** System Administrator  
**To:** yi.zhi@dep.state.fl.us  
**Sent:** Tuesday, July 08, 2008 1:52 PM  
**Subject:** Undeliverable: Order or Notice issued by the Public Service Commission (Email ID = 766568)

Your message did not reach some or all of the intended recipients.

**Subject:** Order or Notice issued by the Public Service Commission (Email ID = 766568)  
**Sent:** 7/8/2008 1:52 PM

The following recipient(s) could not be reached:

yi.zhi@dep.state.fl.us on 7/8/2008 1:52 PM

The e-mail account does not exist at the organization this message was sent to. Check the e-mail address, or contact the recipient directly to find out the correct address.

<tlhexsprot2.floridadep.net #5.1.1>

**FLORIDA PUBLIC SERVICE COMMISSION  
CASE MANAGEMENT SYSTEM  
PARTICIPATING EMAIL ADDRESSES FOR DOCKET 070000**

<b>PARTY NAME</b>	<b>COMPANY CODE</b>	<b>EMAIL ADDRESS</b>	<b>ADDRESS IN MASTER COMMISSION DIRECTORY</b>
Alabama Electric Cooperative (2)		rick.neale@powersouth.com	No
Big Bend Climate Action Team and Green Sanctuary Program		eelfner@comcast.net	No
EarthSteps, LLC		eva@earthsteps.org	No
FDEP (2)		yi.zhi@dep.state.fl.us	No
FL Energy Commission		jsambell@comcast.net	No
Florida Power and Light (2)		dennis_brandt@fpl.com	No
JEA (3)		mannat@JEA.com	No
Montenay Power Corp.		webmaster@montenay-onyx.com	No
MSE Power Systems		info@msepowers.com	No
Power South Energy Cooperative (1)		kelley.fore@powersouth.com	No
Progress Energy (11)		alex.glenn@pgnmail.com	No
TECO (7)		torichardson@tecoenergy.com	No

TO: FLORIDA PUBLIC SERVICE COMMISSION  
OFFICE OF COMMISSION CLERK  
2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FL 32399-0850

RECEIVED-FPSC  
08 JUL -7 AM 10:31  
COMMISSION  
CLERK  
08 JUL -7 AM 17

CHANGE OF INFORMATION ON REGULATED UTILITY

<b>Official Company Name:</b> (As appears on certificate) EarthSTEPS, LLC	<b>Mailing Name:</b> (Must be part of official company name; 58 characters or less) EarthSTEPS, LLC
<b>Certificate No:</b> (A separate form must be used for each certificate number)	<b>Physical Location:</b> 1566 Village Square Blvd., 2E Tallahassee, FL 32309
<b>Attention Line:</b> (Person to whom all official FPSC correspondence is addressed) Eva B. Armstrong	<b>Mailing Address:</b> 1566 Village Square Blvd, 2E Tallahassee, FL 32309 -2765
<b>Liaison Officer(s)</b>	
<b>Officer No. 1:</b> Name: Eva B. Armstrong Title: President/CEO Telephone No: 850-325-6505 Fax No: 850-325-6504 E-mail Address: eva@earthsteps.org	<b>Officer No. 2:</b> Name: Title: Telephone No: Fax No: E-mail Address:
Company Website Address: www.earthsteps.org	

SUBMITTED BY COMPANY REPRESENTATIVE:

Name: Eva B. Armstrong

Title: President/CEO

Telephone No: 850-325-6505

Date: 7/2/08

*Done  
07/07/08  
Krup*



**EarthSTEPS**

1566 Village Square Blvd., Suite 2-E  
Tallahassee, Florida 32309

## Commission Clerk

---

**From:** Commission Clerk  
**Sent:** Friday, June 27, 2008 1:43 PM  
**Subject:** Order or Notice issued by the Public Service Commission (Email ID = 755331)  
**Attachments:** RPS Comm'n Notice 7-11.bsa.doc

The attached order or notice has been issued by the Public Service Commission.

If you have any problems opening this attachment, please contact the Office of Commission Clerk by reply email or at 850-413-6770.

When replying, please do not alter the subject line; as it is used to process your reply.

Thank you.

7/8/2008

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

UNDOCKETED

IN RE: IMPLEMENTATION OF A RENEWABLE PORTFOLIO STANDARD  
FOR FLORIDA PURSUANT TO THE PROVISIONS OF HB 7135

NOTICE OF COMMISSION WORKSHOP

TO

ALL INTERESTED PERSONS

ISSUED: June 27, 2008

NOTICE is hereby given that the Florida Public Service Commission will conduct a workshop, in the above-referenced docket, to which all persons are invited, at the following time and place:

Friday, July 11, 2008 at 9:30 a.m.  
Betty Easley Conference Center, Room 148  
4075 Esplanade Way  
Tallahassee, Florida

The purpose of this Commission workshop is to provide the Commissioners and interested parties with an opportunity to discuss issues relevant to the development and implementation of a Renewable Portfolio Standard for Florida pursuant to the provisions of HB 7135. Persons interested in participating in the development of an RPS are encouraged to attend the workshop and present their proposals and ideas for consideration by the Commission.

Persons wishing to make a formal presentation or to provide prepared remarks at the workshop should contact the Commission staff as soon as practical, but no later than July 2. Presentation materials should be provided in writing to Ms. Judy Harlow, Division of Economic Regulation, Florida Public Service Commission, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, (850) 413-6842, [Jharlow@psc.state.fl.us](mailto:Jharlow@psc.state.fl.us), no later than 5:00 p.m. on July 7, 2008. If you wish to comment but cannot attend the workshop, please file comments with Ms. Harlow by 5:00 p.m. on July 7, 2008.

A copy of the agenda for this workshop is attached. Additional copies may be obtained from the Commission's website at [www.psc.state.fl.us](http://www.psc.state.fl.us).

Any person requiring some accommodation at this workshop because of a physical impairment should call the Office of Commission Clerk at (850) 413-6770 at least 48 hours prior to the workshop. Any person who is hearing or speech impaired, please contact the Florida Public Service Commission using the Florida Relay Service, which can be reached at 1-800-955-8771 (TDD).

NOTICE OF COMMISSION WORKSHOP  
UNDOCKETED  
PAGE 2

JURISDICTION

Jurisdiction is vested in this Commission pursuant to Chapter 366, Florida Statutes. The workshop will be governed by the provisions of Chapters 120 and 366, and Chapters 25-6, 25-17, 25-22 and 28-106, Florida Administrative Code.

By DIRECTION of the Florida Public Service Commission, this 27th day of June, 2008.

/s/ Ann Cole

ANN COLE

Commission Clerk

This is an electronic transmission. A copy of the original signature is available from the Commission's website, [www.floridapsc.com](http://www.floridapsc.com), or by faxing a request to the Office of Commission Clerk at 1-850-413-7118.

( S E A L )

CM



**Workshop on Renewable Portfolio Standard (RPS)**

Friday, July 11, 2008  
9:30 a.m. – 4:30 p.m.

Florida Public Service Commission  
Betty Easley Conference Center  
Joseph P. Cresse Hearing Room 148  
4075 Esplanade Way  
Tallahassee, Florida

The purpose of the workshop is to provide the Commissioners and interested parties with an opportunity to discuss issues relevant to the development and implementation of a Renewable Portfolio Standard for Florida pursuant to the provisions of House Bill 7135.

**AGENDA**

- A. Welcome and General Overview**  
Chairman Matthew M. Carter II
- B. Staff Presentation and Discussion of 2008 Amendments to s. 366.92, F.S., Florida Renewable Energy Policy**
- C. Presentations by Interested Parties and Discussion**  
  
(Written Presentations to be filed July 7, 2008)
- D. Staff Presentation and Discussion of Draft Data Request Forms**
- E. Scheduling, Post Workshop Comments, Procedural Matters**
- F. Chairman's Closing Remarks**

## Kimberley Pena

---

**From:** Shannon Kee  
**Sent:** Monday, June 30, 2008 9:59 AM  
**To:** Kimberley Pena  
**Subject:** 08000 Notice of Workshop kickbacks

Kim-  
The following parties were included in the issuance of the Notice of Workshop for docket # 080000 on Friday. They were kickbacked on email and did not have any additional information such as an address or fax #.

TECO (7)  
Department of Management Services (1)  
Big Bend Climate Action Team & Green Sanctuary Program  
Florida Power and Light Company- [Juanita\\_Whitaker@fpl.com](mailto:Juanita_Whitaker@fpl.com) (was not found on parties list)  
Florida Power and Light (2)  
JEA (1)  
Airtricity  
Florida Electric Cooperatives Association (2)  
CF Industries, Inc.  
SACE  
Mitsubishi Power Systems (Wind Energy)  
FL Senate (2)  
All Source Energy, Inc.  
City of Lake Worth Utilities

**Kimberley Pena**

---

**From:** JoAnn Chase  
**Sent:** Friday, June 27, 2008 4:19 PM  
**To:** Kimberley Pena  
**Subject:** FW: Parties List

re my email below: The city for Ben Gilbert should be "Miami" and not "Mimia"

jc

---

**From:** JoAnn Chase  
**Sent:** Friday, June 27, 2008 4:13 PM  
**To:** Kimberley Pena  
**Cc:** Cindy Miller; Mark Futrell  
**Subject:** RE: Parties List

I've found some information relative to the list in your email below. I couldn't find contact info for all of them.

Paragraph 1:

Rick Vickers should be Rob Vickers, Policy Director, Florida Energy Commission, 600 S. Calhoun Street, Suite 254 Tallahassee, Florida 32399-1300; phone: 850-922-0999; [vickers.rob@leg.state.fl.us](mailto:vickers.rob@leg.state.fl.us)

Charles Bronson, Commissioner, Department of Agriculture and Consumer Services, The Capitol, Tallahassee, Florida 32399-0810; 850-488-3022,

Alex Glenn, Progress Energy, Florida, P O Box 14042, St. Petersburg, Florida 33733-4042, [alex.glenn@pgnmail.com](mailto:alex.glenn@pgnmail.com)

Ben Gilbert, Montenay Power Corp, 6990 NW 97 Avenue, Mimia, Florida 33178, 305-593-7000; [webmaster@montenay-onyx.com](mailto:webmaster@montenay-onyx.com)

Athena Mann, JEA, 21 W. Church Street, Jacksonville, Florida 32202; 904-665-6252, [mannat@JEA.com](mailto:mannat@JEA.com)

Mark Scher, President and CEO, MSE Power Systems, 403 New Karner Road, Albany, New York 12205, 518-452-7718; [info@msepower.com](mailto:info@msepower.com)

Paragraph 2:

Area codes:

Jennifer Green: 850  
 Joanna Bonfanti: 850  
 Tim Qualls: 850

Paragraph 3:

Zip code for David Smith, U.S. Solar Energy is 32254 (Jacksonville, Florida)

Paragraph 4:

Zip codes for Rick Neal and Kelly Fore: Rick Neal is 36420. Kelly Fore is 36421. (These are Alabama zip codes)

Paragraph 5:

6/27/2008

The email address for Yi Zhi at DEP should be yi.zhi@dep.state.fl.us. FDEP(2)

Paragraph 6:

You are correct that the address for Terry Cole is 301 S. Bronough Street.

Your email today re John Thiemann from City of Blountstown: I couldn't find any contact information for him.

---

**From:** Kimberley Pena  
**Sent:** Thursday, June 26, 2008 4:48 PM  
**To:** JoAnn Chase  
**Cc:** Cindy Miller  
**Subject:** Parties List

The Humanity!!! We are done entering!

We did not include entries for:

Rick Vickers, Ben Stuart, Charles Bronson, Frankie Curlee, A.K. "Ben" Sharma, Athena Mann, Mark Scher, Alex Glenn, Ben Gilbert, Chris Kise, Connie Shivers, Janet Lewis, and Rob Housapian.

We need area codes for:

Tim Qualls, Sam Bell, Larry George, Patrick Detscher, Jennifer Green, and Joanna Bonfanti.

Please provide zip code for:

David Smith, US Solar Energy.

We did not include the address provided for the following because the system did not recognize the zip code:  
Rick Neal and Kelly Fore.

Double check email address for:

Yi Zhi, FDEP - confirm which name is correct and we will update accordingly.

Please confirm that address for Terry Cole should be 301 S. Bronough St.

I will add entries for Mr. Mack and Jeremy.

6/27/2008

## Kimberley Pena

---

**From:** Cindy Miller  
**Sent:** Thursday, June 26, 2008 5:12 PM  
**To:** Kimberley Pena  
**Cc:** JoAnn Chase  
**Subject:** Chris Kise info

His email is:

ckise@foley.com

His address is: Foley & Lardner  
106 E. College Ave., Suite 900, Tallahassee, Fla. 32301

His phone # is 850-222-6100.

Kim -- thanks again for your hard work on this list.

Cindy Miller  
Office of General Counsel  
Florida Public Service Commission  
850-413-6082

*Done  
06/27/08  
KMP*

6/27/2008

## Kimberley Pena

---

**From:** Cindy Miller  
**Sent:** Thursday, June 26, 2008 4:54 PM  
**To:** Kimberley Pena  
**Cc:** JoAnn Chase  
**Subject:** Florida Energy Commission

Kim -- this is the list of Florida Energy Commission members. It includes Sam Bell. He has an 850 area code. I wish there weren't so many names!

[http://www.floridaenergycommission.gov/commission\\_members.cfm](http://www.floridaenergycommission.gov/commission_members.cfm)

Cindy Miller  
Office of General Counsel  
Florida Public Service Commission  
850-413-6082

6/26/2008

- » [Home](#)
- » [Commission Members](#)
- » [Meetings](#)
- » [2007 Report](#)
- » [Staff Contacts](#)
- » [Media](#)
- » [Governing Statute](#)

**Florida Energy Commission**

600 S. Calhoun Street

Suite 254

Tallahassee, FL 32399-1300

(850) 922-0999

---

Documents in the PDF Format require the free Adobe Acrobat Reader.



## Commission Members

**Tommy Boroughs, *Chair***

200 South Orange Avenue, Suite 2600

Orlando, FL 32801

Phone (407) 244-5132

[Biography \(PDF\)](#)**Michael Hightower**

Vice President, Blue Cross &amp; Blue Shield of Florida

4800 Deerwood Campus Parkway (DC3-4)

Jacksonville, FL 32246

Phone (904) 905-6268

[Biography \(PDF\)](#)**Dr. John O'Brien**

President &amp; CEO, Vista Energy Group, Inc.

3501B North Ponce de Leon Boulevard, Suite 388

St. Augustine, FL 32084

Phone (516) 992-2133

[Biography \(PDF\)](#)



J. Sam Bell, Jr.  
4049 Devlin Court  
Tallahassee, FL 32309-2745  
Phone (850) 894-2862  
[Biography \(PDF\)](#)

---



Dr. Todd Sack  
6326 San Jose Boulevard, West  
Jacksonville, FL 32217  
Phone (904) 381-9369  
[Biography \(PDF\)](#)

---



Honorable Lee Constantine  
State Senator, District 22  
378 Centerpointe Circle, Suite 1268  
Altamonte Springs, FL 32701-3442  
Phone (407) 331-9675  
[Biography \(PDF\)](#)

---

Photo  
Unavailable

Joseph Tannehill, Sr.  
President & CEO, Tannehill International Industries, Inc.  
10 Arthur Drive  
Lynn Haven, FL 32444  
Phone (850) 769-7794  
[Biography \(PDF\)](#)

---



Dr. Frederick "Rick" R. Driscoll  
Director, Center of Excellence of Ocean Energy  
Asst. Professor, FAU Dept. of Ocean Engineering  
101 N. Beach Road  
Sea-tech Campus  
Dania Beach, FL 33004  
Phone (954) 924-7221  
[Biography \(PDF\)](#)

---



Harvey Ruvin  
73 West Flagler Street, Room 242  
Miami, FL 33130



Phone: 305.349-7333

[Biography \(PDF\)](#)

Copyright © 2007-2008 The Florida Energy Commission

**Kimberley Pena**

---

**From:** Kimberley Pena  
**Sent:** Thursday, June 26, 2008 4:53 PM  
**To:** Cindy Miller  
**Subject:** RE: Parties List

Yes, ma'am.

---

**From:** Cindy Miller  
**Sent:** Thursday, June 26, 2008 4:52 PM  
**To:** Kimberley Pena  
**Subject:** RE: Parties List

Excellent. And you've added for Mike Sole and Greg Krasofsky, yes?

---

**From:** Kimberley Pena  
**Sent:** Thursday, June 26, 2008 4:48 PM  
**To:** JoAnn Chase  
**Cc:** Cindy Miller  
**Subject:** Parties List

The Humanity!!! We are done entering!

We did not include entries for:

Rick Vickers, Ben Stuart, Charles Bronson, Frankie Curlee, A.K. "Ben" Sharma, Athena Mann, Mark Scher, Alex Glenn, Ben Gilbert, Chris Kise, Connie Shivers, Janet Lewis, and Rob Housapian.

We need area codes for:

Tim Qualls, Sam Bell, Larry George, Patrick Detscher, Jennifer Green, and Joanna Bonfanti.

Please provide zip code for:

David Smith, US Solar Energy.

We did not include the address provided for the following because the system did not recognize the zip code:  
Rick Neal and Kelly Fore.

Double check email address for:

Yi Zhi, FDEP - confirm which name is correct and we will update accordingly.

Please confirm that address for Terry Cole should be 301 S. Bronough St.

I will add entries for Mr. Mack and Jeremy.

6/27/2008

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

**Kimberley Pena**

---

**From:** Cindy Miller  
**Sent:** Wednesday, June 25, 2008 12:52 PM  
**To:** Kimberley Pena  
**Subject:** FW: Address, Telephone and Email Change

Hi Kim -- here's a change to Jeremy Susac's e-mail. Thanks, C.

-----Original Message-----

**From:** Mark Futrell  
**Sent:** Wednesday, June 25, 2008 11:59 AM  
**To:** JoAnn Chase  
**Cc:** Cindy Miller  
**Subject:** FW: Address, Telephone and Email Change

Jeremy's email address will change, see below.

Please make this change in our contacts list, and have the clerk's office reflect this change in the list they are building for the RPS workshop. It might not be a bad idea to use his current and new address for the first workshop to ensure he receives the notice.

-----Original Message-----

**From:** Mack, Alexander [mailto:Alexander.Mack@dep.state.fl.us]  
**Sent:** Wednesday, June 25, 2008 11:27 AM  
**To:** Mark Futrell  
**Subject:** Re: Address, Telephone and Email Change

Jeremy.susac@eog.myflorida.com

-----  
Sent from Alexander Mack's BlackBerry Wireless Handheld

----- Original Message -----

**From:** Mark Futrell <MFutrell@PSC.STATE.FL.US>  
**To:** Mack, Alexander  
**Sent:** Wed Jun 25 11:14:09 2008  
**Subject:** RE: Address, Telephone and Email Change

Alexander,

Thanks for the update on your contact information.

Would you please confirm Jeremy's new email address?

Thanks,  
Mark Futrell

**\*\*CLK OFFICIAL DOCUMENT...\*\*b>**

From: Mack, Alexander [mailto:Alexander.Mack@dep.state.fl.us]  
Sent: Wednesday, June 25, 2008 10:21 AM  
Subject: Address, Telephone and Email Change

Hello all

The Energy Office will be relocating effective June 26. My new contact information is as follows:

600 South Calhoun Street

Suite 251

Tallahassee, Florida 32399-1300

Telephone (Mainline) – 850-487-3800

Email – Alexander.mack@eog.myflorida.com

Alexander Mack, Administrator

State Energy Program

Florida Energy Office

Florida Department of Environmental Protection

*FDEP - Florida Energy Office*

2600 Blair Stone Road MS #19

Tallahassee, Florida 32399-2400

E-mail: <mailto:alexander.mack@dep.state.fl.us>  
alexander.mack@dep.state.fl.us

Telephone: 850-245-8002

Fax: 850-245-8003

Cell: 850-528-6970

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on this link to the DEP Customer Survey <<http://survey.dep.state.fl.us/?refemail=Alexander.Mack@dep.state.fl.us>> . Thank you in advance for completing the survey.