

## **SREC-Based Financing Program**



# **Program Update**

**September 2010**

**Atlantic City Electric Co.  
Jersey Central Power & Light Co.  
Rockland Electric Co.**

**NERA Economic Consulting (Solicitation Manager)**



# Documentation Available

- Any statements in this presentation describing or referring to documents and agreements are summaries only, and are qualified in their entirety by reference to such documents and agreements
- The governing documents for this RFP are:
  - The Request for Proposals under the SREC-Based Financing Program (“RFP Rules”)
  - SREC Purchase and Sale Agreement
  - Decisions of the New Jersey Board of Public Utilities (“BPU”) related to this Program
- Governing documents are posted to the Web site – Updated RFP Rules for this Solicitation were posted August 27, 2010

Please see the RFP Web site  
for documentation  
[www.njEDCsolar.com](http://www.njEDCsolar.com)

# Presentation Outline

- **Overview**
- **Planned Quantities**
- **General Program Requirements**
- **Three-Step Proposal Process**
- **Evaluation and Award**
- **Results from Prior Solicitations**
- **Questions**

# SREC-Based Financing Overview

- The Program is designed to enable financing for new solar projects based on reasonable assurances regarding the price and potential revenues that could result from each project's generation of SRECs
- The Program is not a loan program
- The Program is only for the purchase of SRECs. ACE, JCP&L and RECO will not purchase the energy or capacity from solar projects
- The Program is consistent with Stipulation and Orders
  - 10 to 15 year term purchase agreements
  - Anticipate three solicitations each year
  - Requires completion of Initial Application Process with State Programs

*SREC: Solar Renewable Energy Certificate = 1 MWh of solar generation attributes*

# MW Targets

- The Program targets to procure more than 64 MW over three years, 19 MW for ACE, 42 MW for JCP&L, and 3.769 MW for RECO
- The solicitations for RPS Year 2011 include shortfall quantities from RPS Year 2010

Planned Quantities (MW)			
	ACE	JCP&L	RECO
October 2010 Solicitation	<b>5.844416</b>	<b>8.723211</b>	<b>1.459700</b>

- The planned quantities may or may not be awarded in a solicitation based on an assessment of the competitiveness of pricing

# Pricing and Contract

- Contracts of 10 to 15 years will be offered as part of proposal
  - Price is constant over the life of the agreement
- Applicants must agree to terms of a Standard SREC Purchase and Sale Agreement (“SREC PSA”)
- SREC PSA requires:
  - an inspection by a verification agent from the BPU’s Office of Clean Energy (“OCE”), paid for by the project
  - A utility meter to measure gross output from project, paid for by the project
  - A refundable cash deposit within 14 days of BPU approval of an award, to be forfeited if the Commencement Date has not occurred within one year of SREC PSA execution and refunded otherwise
- Cash Deposit may also be forfeited if Owner does not enter into the SREC PSA for a Project that is approved for an award
- Projects will be paid for the SRECs on a quarterly basis, after the SRECs have been created and accepted in the PJM Generation Attributes Tracking System (“PJM GATS”)

# General Project Requirements

## Eligible Projects

- ✓ 500 kW or less\*
- ✓ Residential
- ✓ Commercial
- ✓ In ACE's service territory
- ✓ In JCP&L's service territory
- ✓ In RECO's service territory
- ✓ Customer submits Proposal
- ✓ Developer submits Proposal
- ✓ Has cleared the Initial Application Process with State Programs (REIP or SRP) but has not requested interconnection before BPU approval of bids

## Projects That Are **Not** Eligible

- ✗ A portion (less than 500 kW) of a project that exceeds 500 kW in aggregate\*
- ✗ Has received or will receive rebate from CORE in force 2001-2008
- ✗ Interconnected at transmission voltages
- ✗ Does not agree to net metering arrangements with the EDC
- ✗ Does not agree to install SREC meter at project's expense
- ✗ Does not agree to terms of SREC PSA

*\*DC rating*

# RFP Documents Available on Our Web Site



## SREC-Based Financing Program

Home Documents Calendar | FAQs | Announcements | Contact Us | Archives

### Documents

Orders, procurement rules, contracts, forms and other relevant materials are posted here.

#### NJ EDC Solar RFP Documents and Program Guide

- NJ EDC Solar - Program Guide (August 27, 2010)
- NJ EDC Solar - RFP Rules (August 27, 2010)
- NJ EDC Solar - Appendix 1 - ACE and JCP&L SREC Purchase and Sale Agreement (January 29, 2010)
- NJ EDC Solar - Appendix 1 - RECO SREC Purchase and Sale Agreement (January 29, 2010)

**New Forms posted on August 27, 2010 streamline process**

*Useful 4-page overview*



# RFP participation is in three steps

STEP	DUE DATE
1. Expression of Interest (EOI)	Thurs, Oct 7, 2010
2. Pricing Proposal (Bids)	Thurs, Oct 14, 2010
3. Qualification Package	Thurs, Oct 14, 2010

Visit our dedicated Web Site:  
[www.NJEDCsolar.com](http://www.NJEDCsolar.com)

## STEP 1: Expression of Interest (by email)

- **Bidder submits:**

- Email Address
- Project Application Number with State Programs (“NJCEP Application Number”)
- Contact information (representative and alternate)

- **One EOI per Project**

EOI may be submitted AT ANY TIME prior to noon on October 7, 2010

- **We encourage early submission**

- Provides time to resolve inconsistencies
- Identifies bidders so that the Solicitation Manager can stand ready to assist with remainder of proposal submission

# EOI Requires NJCEP Application Number

- The processing of REIP applications is subject to the funding availability. REIP Applications may not be processed even if materials are provided prior to the deadline
- Information and links for both programs can be found on the following web page:

[www.njcleanenergy.com/renewable-energy/home/home](http://www.njcleanenergy.com/renewable-energy/home/home)

# Upon Completion of EOI

- **Solicitation Manager returns to the Bidder:**
  - Instructions for the submission of bids (“Pricing Proposal”)
  - Password
  - Bid Form (for the Pricing Proposal)
- **One set of instructions and one password per Bidder**
- **One Bid Form per Project**

EOI Deadline:  
noon on October 7, 2010

EOI Cure Deficiency Deadline:  
5PM on October 13, 2010

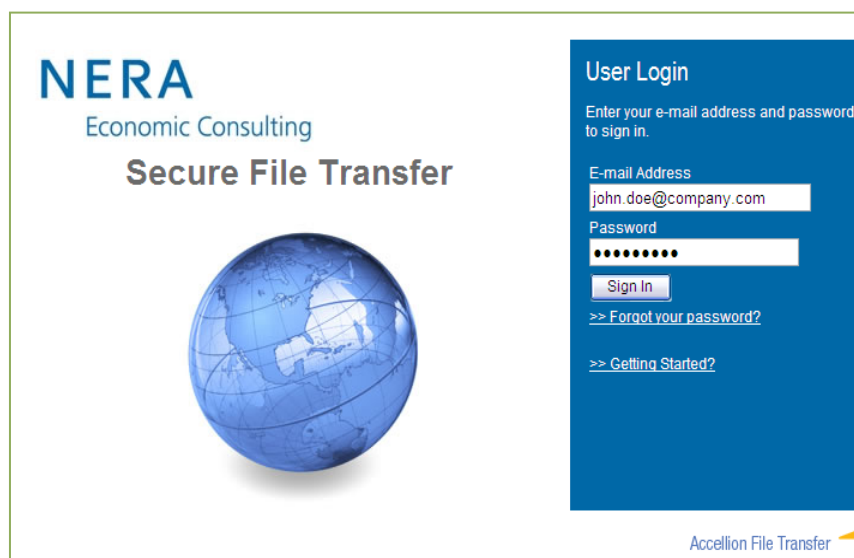
# STEP 2: Pricing Proposal (by file transfer)

## STEP 1: Complete Bid Form

- Project Application Number with State Programs
- Price (single price for all SRECs)
- Length of contract (10-15 years)
- Size (kW)
- EDC territory where Project resides

## STEP 2: Log In to file transfer system

- Access file transfer system using up-to-date browser (Internet Explorer, Firefox, Safari)
- Username is your email address
- Password provided in complete EOI Notice



## STEP 3: Send file to Solicitation Manager

- File transfer system will provide a confirmation page

# Solicitation Manager Confirms Receipt

- Solicitation Manager confirms receipt
  - Before deadline, on same business day
  - On Bid Day, within 30 minutes
- Solicitation Manager assesses whether Bid Form is compliant with the requirements
  - if not, Bidder can resubmit before the deadline

**Bid Form Provided to Bidder after EOI is Complete**

Pricing Proposal may be submitted at any time after receipt of a complete EOI and before noon on October 14, 2010

## STEP 3: Qualification Package

- Bidder submits **via email one electronic copy** of :
  - *Project Proposal Summary Sheet*
- Bidder submits **via Overnight Delivery Service three originals** of these forms:
  - *Certifications and Checklist for Qualifications*
  - *Appendix C of SREC PSA (if required)*
- By request, Solicitation Manager prepares Appendix C to SREC PSA if Project Proposal Summary Sheet and request is submitted by EOI deadline
- Bidder submits **via Overnight Delivery Service one copy** of the materials from the Initial Application process in State programs (application materials and letter of acceptance)



New Forms  
on our  
web site

# Bidder has opportunity to complete or clarify

- Solicitation Manager assesses Qualification Package after bids are ranked
- Solicitation Manager may issue deficiency notice if the materials are incomplete or require clarification
- Bidder has opportunity to respond and cure any deficiencies

Deadline is noon on October 14, 2010  
(same as Pricing Proposal)

Cure Deficiency Deadline:  
4PM on October 21, 2010



# Ranking of Bids

- Solicitation Manager ranks Pricing Proposals on an anonymous basis
- Ranking performed on the basis of the net present value (“NPV”) of payments under the SREC PSA for each annually delivered SREC
- Projects will be selected based on the lowest NPV, up to the approved MW solicited or to the point where pricing is found to be uncompetitive
  - The first Project rejected is the Project that causes the total quantity to exceed the MW solicited or the first Project where the pricing is not competitive (whichever comes first)
- Annual developer cap (20% for each of JCP&L and ACE) is applied to the ranked projects
- Affiliate cap (50% for RECO only) is applied to the ranked projects

# Application of developer cap is based upon planned quantities

- The Board has established that no one entity, and no combination of affiliated entities under the same majority ownership, can obtain more than 20% of the EDC's long term contracts (calculated based on kW) in any one year
  - Does not apply to RECO
- Board has clarified that the 20% should be applied to the planned quantity for a given RPS Reporting Year
- Caps for RPS Reporting Year 2011 are 3.6 MW for JCP&L and 2.5 MW for ACE
- Solicitation Manager applies developer cap to each Developer, whether or not the Developer itself is submitting the Proposal

# Example

Example: JCP&L				
Price/SREC	Term	Factor	NPV	Rank
\$375	10	7.0660	\$2,650	3
\$375	11	7.5475	\$2,830	4
\$355	12	7.9980	\$2,839	5
\$350	13	8.4196	\$2,947	6
\$300	14	8.8141	\$2,644	2
\$285	15	9.1832	\$2,617	1

***Longer-term proposals can be competitive if their pricing is sufficiently lower than proposals with shorter terms.***

Discount Rate	JCP&L NPV Factor		ACE NPV Factor	
	6.87%		6.66%	
Year (Term of PSA)	Yearly Factor*	Cumulative Factor	Yearly Factor	Cumulative Factor
1	0.9357		0.9376	
2	0.8756		0.8790	
3	0.8193		0.8241	
4	0.7666		0.7727	
5	0.7173		0.7244	
6	0.6712		0.6792	
7	0.6281		0.6368	
8	0.5877		0.5970	
9	0.5499		0.5597	
<b>10</b>	0.5146	<b>7.0660</b>	0.5248	<b>7.1353</b>
<b>11</b>	0.4815	<b>7.5475</b>	0.4920	<b>7.6273</b>
<b>12</b>	0.4505	<b>7.9980</b>	0.4613	<b>8.0886</b>
<b>13</b>	0.4216	<b>8.4196</b>	0.4325	<b>8.5211</b>
<b>14</b>	0.3945	<b>8.8141</b>	0.4055	<b>8.9266</b>
<b>15</b>	0.3691	<b>9.1832</b>	0.3802	<b>9.3068</b>

\* Yearly Present Value Factor = 1 / (1+Discount Rate)<sup>(Year)</sup>

# Solicitation Manager considers input from the Parties

- Solicitation Manager presents preliminary recommendations to the EDCs, Rate Counsel and BPU Staff (the “Parties”)
- Solicitation Manager considers input from the Parties
- Solicitation Manager presents final recommendations to the BPU, including:
  - competitiveness of process
  - recommended awards
  - succeeding round MW
  - any special treatment of the small project segment (50kW or below) relative to the BPU’s aspirational goal (25% for ACE and JCP&L, 50% for RECO)
- Final Awards are determined by the BPU
- Solicitation Manager notifies the Bidders and announces the results
- Announced results do not include any individual pricing

# Results from RPS Reporting Year 2010

	Round 1	Round 2	Round 3
Bids received	8 bids (1,594.73 kW)	44 bids (7,009.628 kW)	63 bids (9,940.548 kW)
Awards	7 awards (1,585.37 kW)	39 awards (6,521.798 kW)	57 awards (9,332.978 kW)
Rejected bids	1 bid (9.36 kW)	5 bids (487.830 kW)	6 bids (607.570 kW)
Pricing (based on 10-year contract)	Average \$409.71/SREC Low \$369.00/SREC	Average \$405.15/SREC Low \$272.44/SREC	Average \$424.18/SREC Low \$349.74/SREC

# First Solicitation for RPS Reporting Year 2011

	Round 4
<b>Bids received</b>	23 bids (5,025.025 kW)
<b>Awards</b>	20 awards (3,931.945 kW)
<b>Rejected bids</b>	3 bids (1,093.080 kW)
<b>Pricing</b> (based on 10-year contract)	Average \$466.21/SREC Low \$413.69/SREC

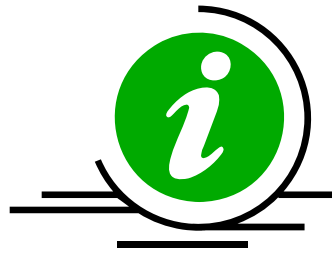
# Schedule for Upcoming Solicitation

Updated Documents Posted	Friday, August 27, 2010
Deadline for EOI	Thursday, Oct. 7 2010
Deadline for Pricing Proposals	Thursday, Oct. 14, 2010
Deadline for Qualification Materials	Thursday, Oct. 14, 2010

## **TENTATIVE**

<i>Preliminary Recommendations</i>	<i>Monday, Oct. 25, 2010</i>
<i>Input by the Parties</i>	<i>Tuesday, Nov. 2, 2010</i>
<i>Final Recommendations to BPU</i>	<i>Thursday, Nov. 11, 2010</i>
<i>Expected BPU Meeting</i>	<i>Wednesday, Dec. 1, 2010</i>
<i>Announcement of results</i>	<i>Friday, Dec. 3, 2010</i>
<i>Execution of SREC PSA</i>	<i>Saturday, Jan. 15, 2011</i>

# Questions?



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