

REC Committee Meeting Notes

September 23, 2009

1:00 to 3:30 pm

2010 Renewable Energy Program Plans and Budgets

- **OCE Plan and Budget (M. Ambrosio, AEG, NJCEP Program Coordinator)**
 - M. Ambrosio reviewed the draft 2010 budgets..
 - It was mentioned that these numbers were given to the MM team to develop a preliminary budget.
 - By the end of next week (Oct. 2nd) both Honeywell & TRC are required to submit their compliance filings, program plans and associated budgets.
 - There will be a public CEC meeting in October to solicit comments about the 2010 plan/budget. Comments for the record should be submitted, preferably in writing for this meeting.
 - By the end of November, Honeywell will get recommendations & request for a revised filing for the Boards consideration in December.
- **7 & 5 Financial Reports (M. Ambrosio)**
 - These reports present 7 months of actual NJCEP expenditure data and 5 months of projected expenditures for the 2009 Budget toward estimating the amount of budget carryover expected for 2010 use.
 - The report numbers were reviewed.
- **MM 2010 Plan and Budget (D. Hill, RE Market Manager Team)**
 - D. Hill reviewed the PowerPoint presentation (1-RE Programs 2010 Budget 9_23_09)
 - Reviewed timeline
 - Reviewed programs managed by the MM team.

1) Renewable Energy Incentive Program (REIP): Offers rebates and registration for renewable energy certificates (RECs and SRECs) for customer-sited wind and biopower projects and for solar projects that are less than 50kW.

2) SREC Registration Program: Provides registration for solar renewable energy certificates (SRECs) for non-rebated solar projects, including direct grid-connected projects. This program is the successor program to the SREC-Only Pilot program which was renamed per the Board Notice dated 2/11/09.

3) Clean Power Choice: Allows participants to elect to pay a premium on their electric bill to support Clean Energy providers.

- Reviewed proposed budget revisions

Programs	Wind	\$2,000,000	\$2,000,000
	Renewable Energy	\$6,000,000	\$6,000,000
	Customer On Site Program: Grid Connected	\$0	\$0
	Clean Power Choice	\$42,073,463	\$60,028,203
	Renewable Energy Incentive Program		

Edison Innovation Clean Energy Fund	\$3,000,000	\$3,000,000
DEP Ecological Baseline Study		
RE Marketing	\$692,370	\$692,370
SUB-TOTAL Renewables	\$54,360,000	\$72,913,042

- Encouraged the group to submit comments in writing regarding the plan for 2010.
- Discussed Objectives
 - Maintain clear “market transformation” signals and processes
 - Incentives continue to decline over time
 - Allocate funds across program categories and services
 - Stimulate and enhance market response in target segments
- Proposed REIP enhancements for Wind & BioPower
 - Increase rebate budget to support the Renewable Energy Manufacturing Incentive (REMI) & feasibility studies
 - Will discuss additional options for funds later in presentation
- Proposed REIP enhancements for Solar
 - Double initial REIP capacity blocks to 20 MW each for residential and non-residential
 - Maintain standard incentives at \$1.75 and \$1.00 / Watt respectively
 - It will not create a large budget impact
 - It was mentioned by M. Ambrosio we need to present this to the board soon for 2009 modifications as we will be meeting the 10 MW block before the end of the year. They would like to have this item on the Board Agenda for the Board Meeting on Oct. 7th.
 - Increased rebate budget of \$3 million to support NJ REMI incentives
 - Two new components to the program
 - Offer additional \$0.50/Watt incentive for accelerated completions (e.g. new approvals complete in < 4 months)
 - This would be a first come first serve basis for this incentive.
 - One attendee recommended that this incentive be increased to \$0.75 /Watt.
 - There was a discussion on what the need was for an accelerated completion incentive. D. Hill stated that the MM felt the processing will turned around quicker thus creating more installs in a shorter timeframe.
 - The MM would track accelerated completion funding and communicate the tally to the stakeholder community.

- Implementation of this program would decrease project time from approximately 7 months to 4 months.
- Offer non-profit adder of \$1.00/Watt
 - To encourage installations and development of non-profit projects. It was stated that the non profit market has not developed as robustly as desired.
 - All other parameters currently in place would apply.
 - M. Winka mentioned talking to state agencies that may be able to assist in financing projects and the stimulating the market in lieu of the non-profit adder.

The incentive for this program would be reduced, if the customer does not choose to participate in the Energy Efficiency (EE) component.

- Proposed budget allocations for the proposed enhancements in Wind, Biopower and Solar.
- ? table disappeared Wind and Bio

	Proposed Additional Budget
Wind	
Increase Rebate Budget (including NJ REMI)	\$1,775,000
Increase Feasibility Study Budget	\$1,500,000
Bio Power	
Increase Rebate Budget (including NJ REMI)	\$1,775,000
Increase Feasibility Study Budget	\$1,500,000
Solar - Residential	
2nd Capacity Block @\$1.75	\$2,000,000
NJ REMI	\$1,500,000
Accelerated Completion	\$1,250,000
Solar - Non-Residential	
2nd Capacity Block @\$1.00	\$1,000,000
NJ REMI	\$1,500,000
Accelerated Completion	\$1,250,000
Non-profit \$1/Watt Adder	\$3,000,000
Total	\$18,050,000

- Power NJ REMI
 - Follow example established for solar equipment
 - Work with stakeholder groups to identify eligible equipment and establish incentives
 - Use of NJ REMI funds to support certification will be explored
 - Up to \$1.75 million per sector available
- Wind and Bio Power Feasibility
 - Provide direct financial assistance for feasibility studies, and increased market facilitation services to support qualified on-site wind and bio power projects
 - 50/50 matching funds up to \$50,000 NJCEP support
 - Half paid up front, half paid upon project completion
 - Feasibility studies must address specific items – some of which will become public domain

- Up to \$2 million of funding in each sector
- Solar Enhancements
 - Extend/Double the initial REIP capacity blocks:
 - Residential 20 MW @ \$1.75/Watt Standard Incentive
 - Non-Residential 20 MW @ \$1.00/Watt Standard Incentive
 - Maintain funding cycle budgets for approval of new rebates
 - Standard rebates require efficiency participation
 - Rebates for projects that do not implement EE reduced by \$0.20/Watt for residential, and \$0.10/Watt for non-residential
 - Note: The maximum rebate level for solar projects taking advantage of program enhancements is \$3.50/Watt (show how ie => \$1.75 + x? + y?)
 - Additional Rebate Budget to Support NJ REMI:
 - Up to \$3 million will depend on market response, target ~ 50% residential / 50% non-residential
 - Projects larger than 50 kW are also eligible
 - Racks and Inverters are also supported

NJREMI : Solar Panel Incentives

Solar Panels	Incentive Rate (\$/Watt)	Maximum System Size (kW)	Maximum Manufacturing Adder
Residential	\$.25	10	\$2,500
Non- Residential	\$.14	50	\$7,500
Large Projects (a): 50-100kW	\$.12	100	\$12,000
100-500kW (b)	\$.08	500	\$40,000

- Accelerated Completion:
 - Up to \$2.5 million additional rebates available to encourage accelerated completions
 - \$0.50/Watt additional rebate
 - Accelerated completion → New approval to completion in less than 4 months
 - Encourages faster project development, can support greater staffing and capacity
- Non-Profit Adder:
 - Up to \$3 million @ \$1.00/Watt available to support solar projects for non-profit organizations
- 2010 Revised REIP Budget
 - New Solar Incentive Budgets:
 - \$21.75 million Residential
 - \$15.75 million Non-residential
 - Wind and Bio Power:
 - \$9.5 million each

- Projected 2010 Volumes:
 - Residential:
 - ~1700 new solar projects
 - Non Residential:
 - ~700 new solar projects
 - ~300 new SREC only registrations
 - Wind and Bio Power
 - ~ 50 new approvals
- Comparison of CRA to Proposed (2010 New Funding Millions)

Source? Looks different than my CRA Order...

	Small Solar	Wind	Bio-Power
CRA	\$12.8 (25%)	\$23.75 (47%)	\$14.25 (28%)
Revised REIP Budget	\$37.5 (66%)	\$9.5 (17%)	\$9.5 (17%)

- SREC Registration Program
 - Provide registration for non-rebated solar projects
 - Rebated projects receive registration through REIP
 - Provide market information (SREC and REC) and messaging on Solar Market Transition
 - Emphasize NJ's leadership role in SREC financing
 - SREC verification audits
 - ~200 scheduled for 2010

Table 1: RPS Percentage Requirements for 2010

Energy Year	Solar Electric	Class I Renewable Energy	Class II Renewable Energy	Total Renewable Energy
June 1, 2009-May 31, 2010	0.221%	4.685%	2.5%	7.406%
June 1, 2010-May 31, 2011	0.305%	5.492%	2.5%	8.297%

- Clean Power Choice Program
 - To be reviewed later in the meeting by Julie Weiser.
- 2010 Honeywell MM RE Proposed Budget

**New Jersey's Clean Energy Program
Renewable Energy Programs
Honeywell Market Manager Team**

Renewable Energy Programs	Proposed 2010 Budget	Administration, IT and Program Developmt	Sales And Marketing	Training	Rebates, Grants, and Other Direct Incentives	Rebate Processing, Inspections and Other Quality Control	Performance Incentives	Evaluation and Related Research
Renewable Energy Program	\$60,628,205	\$1,548,908	\$0	\$290,203	\$56,500,000	\$2,184,184	\$104,910	\$0
CORE Program (Rebates Only)	\$47,000,000	\$0	\$0	\$0	\$47,000,000	\$0	\$0	\$0
Clean Power Choice Program	\$292,467	\$292,467	\$0	\$0	\$0	\$0	\$0	\$0
EDA Programs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sales and Marketing	\$0	\$0	\$692,370	\$0	\$0	\$0	\$0	\$0
Sub Total Renewable	\$108,613,042	\$1,841,375	\$692,370	\$290,203	\$103,500,000	\$2,184,184	\$104,910	\$0

- Next Steps
 - Review comments from today's meeting with OCE staff
 - Complete Narrative and Budget Revisions
 - Initial Filing by early (10/2) October

- Additional Comments/ Q&A
 - EDA seeing large projects need bridge financing. Tailored to projects in this market for grid supply tracked market is electing generation.
 - Question on what consideration is being made for small/ moderate wind? It was mentioned this would be discussed in Wind EPBB section)
 - Forms are currently posted on website for 2009 REMI.
 - SREC Registration offer support for registering non rebated projects.
 - Question: How is the scrub rate relative to the program year?
Answer: \$17 million from scrubs & half were rolled over funding from CORE.
 - M. Ambrosio mentioned proposal to go out again in November to revise 2009 budget (any changes or budget will carry over.)
 - EE did not schedule an October meeting but one is on November 2nd, as there will be a public CEC meeting in October.

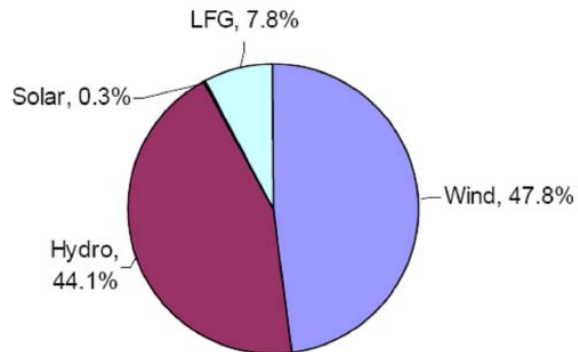
- **CPC Plan and Budget (J. Weiser)* * Note:** The Clean Power Choice Program presentation provides answers to some of the questions that were raised at the last Renewable Energy Committee meeting. Due to time constraints, only the key slides will be presented at the meeting in order to allow more time for discussion.
 - Reviewed the PowerPoint presentation (2a-CPC Program Overview 9-23-09 FINAL)
 - CPC Program Stats as of 6/30/09 (EDC Data)
 - Enrollments: 14,473
 - Energy Production Sold: 232,132 MWH
 - *Enrollments & Energy Production Sold are less than 1% of the NJ customer base.
 - Customer Account Lookup (CAL)
 - ~300 Total CAL Sign-ups to date
 - CAL enables the enrollment of customers at events and through direct mail.

- NJ REC Resource for Energy Year 2008

Resources by Location

Resource Location	Type	MWH	% Resource	% New Renewables	Total Resource by State	
New Jersey	Wind	5,649	7.0%	7.0%	7.4%	
	Solar	261	0.3%	0.3%		
Other States	IL	LFG	6,231	7.8%	0.0%	25.5%
		Wind	14,251	17.8%	17.8%	
	MD	Hydro	922	1.1%	0.0%	1.1%
		Hydro	922	1.1%	0.0%	
	PA	Wind	6,610	8.2%	8.2%	38.8%
		Hydro	24,521	30.6%	0.0%	
	VA	Hydro	9,912	12.4%	0.0%	12.4%
	WV	Wind	11,831	14.8%	14.8%	14.8%
Total		80,188	100.0%	48.1%	100.0%	

NJ Green power sales by renewable resource



RECs sourced from New Jersey represent 7% of the voluntary market and 9% of the compliance market for Class I RECs.

- Benefit CPC brings to NJ
 - It is a voluntary option that allows customers to choose renewable energy.
 - It is the first step to get people to think about renewable energy, what it means to have clean power and potentially putting it on their house in the future.
 - People can participate in solar/renewable green energy without taking ownership.
 - It demonstrates New Jersey's commitment to voluntary clean power markets.
- New Jersey and Clean Power Choice
 - How can CPC support New Jersey's goals to increase the use of new renewables and New Jersey based resources?
 - Require a min % of RECs be sourced from New Jersey.
 - CPMs could buy RECs from NJ developers of Wind & Biomass projects that are certified eligible for CPC.
- Alternative Strategies / Proposals for 2010
 - Reduce Budget by modifying CPC Bill Insert to be more cost effective.
 - Consider shifting Certification & Verification of products from budget and give responsibility to a third party such as Green-E.
 - Expand on CPC awards and add a new award for CPC for purchasing NJ Based RECs
 - Connect CPMs with Developers of Wind & Biomass Projects
 - Have CPMs commit to goals for the program

EDA/CST Plan and Budget (K. Coviello/J. Tettah)

• NJEDA Program Overview

- K. Coviello reviewed PowerPoint presentation (3-RE Committee Meeting_EDA 9-23-09)
- NJEDA Clean Energy Solutions Programs
 - Portfolio of New EDA “Green” Programs to Support State Energy Master Plan, introduced in 2009
 - Designed and developed in consultation with Governor’s Office, state partners (including BPU, DEP, CST), and industry stakeholders
 - Supported Renewable Energy and Energy Efficiency Technologies, Clean Energy Industry in New Jersey, Green Jobs Growth
 - Help companies “go green”
 - Help companies develop the products to assist other companies to “go green” (clean tech)
- Edison Innovation Clean Energy Manufacturing Fund
 - \$60 Million 5 Year Program Funded by NJBPU Office of Clean Energy, officially launched in January 2009 (soft launch Fall ‘08)
 - Currently \$12M/year in program funds
 - Grant and 0% interest loan of up to \$3,300,000 per facility project for funding energy efficiency and renewable energy equipment manufacturers entering or expanding within the stage of commercial development
 - Grant up to \$300,000 for identifying and securing a site and completing initial facility design, and a performance grant
 - Zero-interest loan and performance grant up to \$3,000,000 to support equipment procurement and facility construction and completion
 - 1st Solicitation 1/29/09; 2nd Solicitation 6/1/09, recently closed.
 - \$24mm of funding available in 2009 with the combination of 2008 & 2009 funds
 - Petra Solar is first Company awarded funding - \$3.3 Million
 - 2nd Solicitation review committee recommending 5 companies for funding for approximately \$12mm
 - Strong customer interest and demand for program
 - Applications received from many locations throughout the country & internationally (i.e. China & California)
 - EDA drafting proposal to an open rolling application process
 - There were a lot of applications that they are still vetting though. If there was a more open solicitation they might be able to get more approvals.

>>> Request to increase CEF funds available in 2010 to support demand from \$12mm to \$18mm (pull forward ½ of the 2011- 5 year plan for the program)

- Clean Energy Solutions Capital Investment Program (CESCI)
 - Regional Greenhouse Gas Initiative (RGGI)-funded Program, launched in June 2009
 - Loan/Grant program with a \$5 Million cap to support Commercial, Institutional, and Industrial end-use EE projects, CHP facilities, and SOTA electric generation facilities
 - Up to 80% grant, 20% zero interest loan subject to applicant industry sector, scoring not to exceed \$2.5 M
 - Program currently oversubscribed based on EDA funds available through current RGGI auctions
- Clean Energy Solutions Combined Heat and Power (CHP)
 - \$60M-Retail Margin-funded BPU program, launched in July 2009, designed to complement the CESCI program
 - Performance-based grant based on CHP plant operation subject to certain production quantities, efficiencies, including:
 - The CHP project must have an electric generating capacity of > 1 MW
 - The CHP project shall be designed to achieve thermal efficiency levels of at least 65% for facilities with up to 20 MW of electric generating capacity, and at least 70% for facilities greater than 20 MW
 - Strong demand for program; Solicitation currently closed; processing applications
- New Clean Energy Solutions Program Development
 - ARRA-Funded Edison Innovation Project Fund
 - Supported by \$15M in SEP-ARRA Program funds
 - EDA working to finalize program specifics around Competitive Solicitation
 - Looking towards program launch in 4Q 2009
 - Edison Innovation Green Growth Fund (EIGGF)
 - Filling a hole in marketplace for early stage green funding not currently satisfied by current EDA or partner programs
 - Provides matching funding for growth capital needs of green technologies, following the continuum of funding from the NJ CST R&D program

Loans/Grants to clean technology companies that have achieved proof of concept/successful beta results and are looking to grow and support their technology businesses
- OTHER COMMENTS
 - The programs will get disburse money in the 4th Quarter for capital equipment.
 - CMI – 20 applications. 1 approved solicitation. & 5 for board approval.
 - CESCI – 80 applications. ~12 are undergoing a financial analysis
 - CHP – The interest volume of applications they are receiving is large.
 - ARRA use proven but motive technology. Need growth capital.

- Loan program funds recycled 50% grant 50% loan. They hope for this to be a self supporting program.
 - There are wrap around requests for financing for those getting projects. Need approval from grant funding for wrapped fund. The wrap around fund would be based on a private/public partnership model.
 - **Edison Innovation Clean Energy Fund**
 - J. Tettah reviewed the PowerPoint presentation (4-Edison Clean Energy Program)
 - Program Overview
 - Grants to support technologies that can demonstrate their integral nature to the development Class 1 renewable energy sources and energy technologies that produce or support the production of renewable or clean electricity generation.
 - Provide grants on a competitive basis to New Jersey companies in the amounts of \$100,000 to \$500,000
 - Companies to match funding
 - The grants are only available to for-profit New Jersey-based businesses with at least 75% of their employees living and working in New Jersey
 - Minimum of one full time employee at the company with relevant industry experience
 - Total revenue of the company and all its subsidiaries must be less than \$10 mil
 - Program Goals
 - To provide early-stage financing and commercialization support for technology development in early-stage NJ companies
 - Leveraging public and private resources to grow Renewable Energy and Energy Efficiency technology businesses in New Jersey
 - To promote collaboration between New Jersey academic institutions and start-up companies as well as B2B technical interactions
 - **Program website**
Edison Innovation Clean Energy Fund
<http://www.nj.gov/scitech/entassist/energy/>
 - Program Update
 - **First Round of Solicitation - 2009**
 - Applications Received 12
 - Recommended for Funding 3
 - Anticipated Expenditure \$1,500,000
 - ***Second Round of Solicitation -2009***
 - Applications Received 4
 - Recommended for Funding Under Review

- Program Budget

2009	
Budgeted	\$6 mil
Anticipated Grant Expenditure	\$1.5 mil
Administrative Expenditures	\$60,000
Less Anticipated Expenditure	\$4.4 mil
2010	
Budgeted	\$3 mil
Carry Forward from 2009	\$4.4 mil
Total Available for 2010	\$7.4 mil
Number of Grants Anticipated	15

- 2010 Program Marketing Highlights

- Announce a new round of solicitation in mid October to coincide with the NJ Clean Energy Conference
- Utilize the NJ Clean Energy Conference to increase awareness of the grant to the public
- Market grant solicitation via state, federal and trade organizations
- Work with the NJEDA to implement the wraparound in equity-like financing for grant recipients.

- OTHER COMMENTS

- The program did not receive many applications in the first round and want to increase awareness of program for solicitation.
- There was a question as to why they are not receiving many applications? And were asked if they are looking at companies with proven concept but don't know if product works.
 - J. Tetteh responded that the program would examine this.
- There was another question as to why they need another \$600k.
 - J.Tetteh went over stats and mentioned that 12 applications were received and though 6 applications were ok but the projects weren't sold and they need to reapply.

Program Operations Topics

- **Funding Cycle II Summary (L. Barth)**

- L Barth reviewed the PowerPoint presentation (5-FC2 Summary)
- Reviewed Funding cycle 2 Re-cap (May 1st – Aug 31st)

	Rebated Projects			SREC Reg.
	Resid	Non-Res	Total	
#	665	130	795	54
MW	5.2	3.4	8.6	13.4
\$ Actual	\$8,834	\$3,436	\$12,270	NA
\$ Budget	\$8,873	\$5,920	\$14,793	

Average Application Turnaround: 30 days

% Returned Applications: 24%

- OTHER COMMENTS

- This year the program team is taking about service level not queues.
- 1 in 4 applications are currently being returned. The main cause is due to over sizing the system size.
- Last week was good for non-solar. A Wind & a Biogas project were approved.
- There was a question on the number or applications being received. L. Barth mentioned that we are consistently receiving ~50 a week.

- **Web Updates by K. Nawoj**

- SREC REC program is shown on the website.
- SREC Registration Forms are posted.
- SREC tracking information is shown on the website.
- REMI info was added to the website. However no forms are listed for how to register.
- Question about interconnection forms and how they appear to be off the website. This is something that K. Nawoj will investigate.

- **Wind EPBB (M. Valori)**

- M. Valori reviewed the PowerPoint presentation Wind Energy Update – EPBB Modification (8-Wind EPBB - Modification)
- Wind Technology – Program Status
 - 2010 Program Plan includes the continuation of the estimated performance based incentives (EPBB) for wind projects
 - There is currently a total of ~13 MW of on shore wind either in the process to be installed or complete.
 - Currently 33 turbines are approved through the NJCEP
 - There are 7 pre-applications for 3.8 MW
 - Currently 24 approvals representing 1.52 MW
 - Another 8 projects in various stages for .120 MW
 - 10 completed projects representing 7.68 MW
 - RPS Goal of 200 MW by 2020

- The EPBB Calculator is designed to:
 - Provide estimated kWh wind turbine production data for site specific conditions
 - Used to determine EPBB Incentive
 - Proprietary program from Seventh Generation Energy used to calculate kWh from power curves
 - Applicable for turbines that conform with Program requirements
- 2010 Program Plan Considerations
 - There must be full transparency in the turbine approval process
 - Should not transcend more than one or two program years due to contract issues
 - Maximize the number of entrants into the market receiving incentives
 - Encourage innovative technologies
 - Provide adequate protection to consumers that systems will produce as promised
 - MM has received approximately 10 innovative wind technology requests by manufacturers to be part of the NJCEP Wind EPBB
 - NJDEP Proposed Rule Changes to N.J.A.C. 7:7-7.2(a)12 and N.J.A.C. 7:7.30 limits the turbine swept area in CAFRA zones. Innovative technologies are within the proposed limitations.
- Innovative Wind Technology Standards
 - What standards should be used to allow new turbine entrants?
 - Requirements now include
 - Power Curve (Independent third party verification)
 - UL 1741 for inverters
 - Considerations
 - IEC certification
 - UL 1004 for generator
 - AWEA Small Wind Certification
- Innovative Wind Technology Recommendations
 - Develop a post installation Performance Based Buydown program (PBB)
 - Requires certified power curve
 - Incentive must go to installer or manufacturer
 - All rebate caps apply
 - Rebate calculated on manufacturers power curve but payment based on actual production
 - Production data would be public information
 - Rebate will be capped at applied amount
 - ANSI C-12 meter must be installed to record production
 - No limit on the number of projects in the Program
 - Develop a NJREMI incentive for 50% NJ content.
 - OTHER COMMENTS
 - This would follow other program guidelines.
 - Incentive paid after the fact. End of project and is on the installer or manufacturer to receive.

- There was a question on what this meant.
 - The incentive would be paid after certifying the production of the turbine proposed. 12 months of wind data verifies this, as we would use the actual data.
 - It was mentioned we should shorten name to PBB program.
 - There was a question if we are going to publish the wind technical information in the state. This is something we would need to consider.
 - This is an alternative to projects with a New Technology to receive an incentive.
- **QA/QC Update (M. Valori)**
 - Reviewed PowerPoint presentation QC to QA Transition Update (6-QC to QA Transition Update)
 - QC to QA Transition – Program Summary
 - Migration of program from a QC to a QA program
 - Targeted overall inspection rate of 50% program wide
 - QA Training Summary
 - Trained 246 individuals in QC to QA Training
 - Represents 97 solar and wind installation companies
 - Currently approximately 20 installers working under the QA program
 - The 20 installers represent over 60% of installs.
 - Trainings are ongoing for the remainder of the year
 - QC to QA Transition – Program Status
 - Waive Status
 - The program is approaching its 100 waived inspection (93)
 - Inspections are being randomly waived at approximately 50% ratio for eligible projects and installers
 - Residential - 65% ratio
 - Commercial - 20% ratio
 - Waive rate is in the order of 40 per month
 - By the end of the year we would like to increase this to 60 waives.
 - Due to processing applications earlier in year the 7-8 month old applications are coming through and volume is expected to pick up.
 - QC to QA Transition – Program Issues
 - QA compliance with program guidelines
 - Failure rate has increased substantially
 - Driven by factors that influence production (tilt, orientation, system size, PVWATTS)
 - As built paperwork is not always correct.
 - We are offering one on one counseling; as we are counseling installers before removing them from the QA process.

- Topic at next TWG
 - Sheer quantity of new installers coming into the program
 - Training resources under pressure
 - Additional accommodations continued to be investigated
 - There are significant training demands for training on this process. Trainings are booked through the end of the year and ~ 50 on a wait list.
- **Technical Training Update (M. Valori)**
 - Reviewed the PowerPoint presentation Technical Training Update (7-Technical Training Update)
 - 2009 Program Summary
 - Budgeted at 30 technical trainings
 - Currently have performed 21 trainings YTD
 - Have trained in excess of 800 stakeholders.
 - QC to QA Transition – trained 246 stakeholders
 - Stakeholders range from installers, developers, municipalities, non-profits, etc.
 - Program Status & Issues
 - 9 trainings remaining in 2009.
 - Trainings are currently been backlogged to yearend for the QC to QA transition.
 - Program team has attempted to remedy through:
 - Utilizing different venues for larger accommodations
 - Reallocating trainings to attempt to meet program needs
 - Explored other means of media communication

Utility Program Updates

- **JCPL/ACE Solicitation Update (Tom Donadio)**
 - DISCUSS solicitation of JCP&L & ACE
 - Results less then targeted. (11 JCPL & 5 ACE). This maybe due to short time frame for solicitation.
 - A Board meeting is set on Sept. 30th to discuss the solicitation. From this point there will be 45 days to enter into contracts.
 - The solicitation team plans to keep round two as originally scheduled.
 - Expression of Intent in December (11th)
 - Go to www.njedcsolar.com for more details, calendar, & other documents
 - OTHER COMMENTS
 - There was a question on the lead & volume from not being substantiated to go into the 2nd solicitation.
 - Due to the short timeline for the first solicitation it is believed that this is why they may not have met their targets.
 - There was a comment by Fred Hauber that there are customer issues with the bid process. Such as signing a contract before bidding. It was

recommended that there be a different process for the average customer.

- M. Winka mentioned that this process was put together to ensure applications are real projects. He asked for a proposal for more surety for the customer that can be taken into consideration.
- S. Hunter mentioned that it is be premature to make any judgments on consumer acceptance from the limited experience with round one's relatively short twenty day application period..
- Any proposed change would need to be discussed with and approved by the signatory entities involved in this stipulation.
 - The Solar Alliance will examine in conjunction with F. Hauber

OCE Staff Updates

- **Net Metering and Interconnection Rules (S. Hunter, Office of Clean Energy)**
 - Proposed Net metering rule changes were published in the New Jersey Register in June with public comments due in August. Staff is putting together a recommendation for rule adoption responding to public comment. The timeframe for the rule adoption to be presented for Board approval is probably November.

- **RPS Rules (S. Hunter)**
 - RPS rule changes to further the Energy Master Plan goals have been drafted for stakeholder input. Staff is also developingfor stakeholder input a proposal an to remove the 2 MW net metering CAP.
 - The1st draft will come out shortly for public review.
 - Energy master plan changes include the change from a % to MWH requirement starting in reporting year 2014
 - Retains capacity cap based on electric consumption.
 - A question was raised on interconnection implementation issues.
 - It was mentioned that the stakeholder group is to work though these issues.
 - Another question was raised on the interconnection application and that the complete application is requested all at once & the customer doesn't want to sign until the work is complete.
 - S. Hunter mentioned all EDCs have one standardized form for projects under 10kW that was updated by the interconnection stakeholder group. A similar standardized form for projects over 10 kW is being drafted for stakeholder input.
 - OTHER COMMENTS
 - Metering change was briefly discussed
 - Working on a straw proposal in a month or two.

- Staff mentioned the reconstitution of the SACP and ACP Advisory Committee toward setting the SACP for RY2017 and ACP for RY2011 and a rule proposal to expand the Solar ACP schedule to 15 years was mentioned
 - RPS provision will include SREC Registration. Requirements & application processes to be placed in rule.
 - Proposed to review with in 10 days of signing contract will have opportunity to respond when distributed.
 - AMM will bring proposal to board for community energy OCT 27th.
 - ARP funding approved last Tuesday working on MOA w HMFA on solar affordability housing. They are ready to go but need to make sure the agreement is in place.
 - HRRRA funded projects.
 - \$20.86 Million Award with state agencies
 - Reviewed several projects
- **Grid Supply Program Update (S. Hunter)**
 - A solicitation was issued on September 10 with the question and answer period closed on October 8 and bids due November 30, 2009.
 - **Offshore Wind (A. McShea)**
 - OSW proposal is still with senior staff. No new developments.
 - **OTHER COMMENTS/ QUESTIONS**
 - Law went into effect “immediately” according to Department of Law interpretation and staff are currently drafting rules to be adopted.
 - Questions remain on rule proposal on prevailing wage and what applies.
 - Cannot enforce law until rules are put in place.
 - Public Hearing on November 4
 - **NEXT REC Meeting – November 4th**

Renewable Energy Committee Meeting

Attendees

Wednesday, September 23, 2009

1:00pm - 4:00pm

Conservation Services Group
75 Lincoln Highway
Iselin, NJ 08830

Name	Company	Phone	E-mail
Ambrosio, Mike	AEG	(732) 447-1355	mambrosio@appliedenergygroup.com
Appolonia, David	Atlantic Energy Systems, LLC	609-645-0066	atlanticenergy@yahoo.com
Barth, Larry	VEIC	(732) 218-3413	larry.barth@veic-nj.org
Brown, Ruben	Ecubeq LLC	(212) 987-1095	ruben.brown@ecubedllc.com
Chaddha, Arun	Solar Mite Solutions	(732) 513-7331	arun@solarmitesolutions.com
DONADIO, TOM	JERSEY CENTRAL POWER	(973) 401-8534	tdonadio@firstenergycorp.com
Garrison, Charlie	Honeywell	(973) 890-9500	charlie.garrison@honeywell.com
Gray, Tammy	VEIC	(732) 218-3418	tammy.gray@csgroup.com
Hauber, Fred	Eastern Energy Services	(609) 801-1990	fhauber@verizon.net
Heller, Teresa	VEIC	(732) 218-3415	teresa.heller@csgroup.com
Hill, David	VEIC	(802) 658-6066	dhill@veic.org
Hoff, Kimberly	CSG	(732) 218-3410	kimberly.hoff@csgroup.com
HOWLAND, CHARLIE	PENN ENERGY TRUST LLC	(610) 668-0300	charlie@pennrealestategroup.com
Hunter, Scott	OCE/NJBPU	(609) 777-3300	-
Jarvis, MW	Green Power NJ	(908) 872-2305	mjarvis@greenpowernj.com

Jordan, Bill	Axio Power	(518) 573-6614	bill@jordanenergy.org
Kayen, Shannon	The Solar Center	(973) 627-7730	shannon@thesolarcenter.com
Kennedy, Alex	Gabel Associates		alexis@gabelassociates.com
Kosik, Kaz	Kosik INTL	(908) 240-6373	kaz.kosik@verizon.net
LeGros, Susan	Stevens & Lee	610-205-6006	spl@stevenslee.com
Loeser, Mark	CSG	(732) 218-4429	mark.loeser@csggrp.com
Macorski, Anthony		(201) 486-3419	amsolar@optonline.net
Marshall, Bill		(908) 331-0674	bill.marshall@gmail.com
MERIDIONALE, KEVIN	JERSEY CENTRAL POWER	6109216868	
Miller, Jeffrey	Quadrillion RE	(201) 707-4024	jmiller@quadrillionsolar.com
Miller, John	The Solar Center	973-627-7739 x-118	jmiller@thesolarcenter.com
Minogue, Holly	Gabel Associates	(732) 296-0770	holly@gabelassociates.com
Muskatt, Rosalie	New Age Solar	(609) 223-0277	rmuskatt@optonline.net
O'Hearn, William	WPO Communications	(973) 962-0562	william.ohearn@optonline.net
Okeson, Todd	East Coast Alternative Energy	(973) 948-5236	todd@alternateenergy.com
Oleks, Beth	Rate Counsel		betholeks@verizon.net
POLIDORE, WILLIAM	SUNRAY SOLAR	(732) 450-9800	
Rivera, Alma	NJBPU- OCE	(973) 648-7405	almarivera@bpu.state.nj.us
ROBINSON, BETH	NESEA-NJ	9087402502	nesea.nj@gmail.com
Schultz, Scott	Advanced Solar Products		scott@advancedsolarproducts.com
Shapiro, Natalie	CPM	(201) 612-3221	shapiro@cleanpowermarkets.com

Simpson, Robert	Brother Sun Solar	(973) 835-2694	robertwsimpson@verizon.net
Smith, Melissa	CSG	(732) 218-3416	melissa.smith@csggrp.com
Sobolewski, Terence	SunPower		terence.sobolewski@sunpowercorp.com
Steins, Ed	The Solar Center	(973) 627-7730	esteins@thesolarcenter.com
Tesoriero, Stephen	Renewable Resources	(201) 934-8053	stevetes@optimum.net
Tetteh, Joseph	NJCST	(609) 984-1671	joseph.tettel@scitech.state.nj.us
Travis, Sidney	Solar Bravo	(862) 216-1575	sbtravis1@yahoo.com
Valori, mark	CSG	732-218-3411	mark.valori@csggrp.com
Wall, Andy	AD Energy	(917) 902-5292	andy.wall@ad.energy.com
Webb, Scott			smw1216@gmail.com
Weid, David	Sunside Solar	(626) 755-0607	weid@hotmail.com
Weiser, Julie	Honeywell	(973) 890-9500	julie.weiser@honeywell.com
Weisman, David	Green Alternatives	(973) 364-8065	greenalternatives@comcast.net
Wetzel, Linda	Applied Energy		lwetzel@appliedenergy.com
Weydig, Christine	PANYNJ	(212) 435-5460	cweydig@panynj.gov
Winka, Michael	NJBPU-OCE	(609) 777-3335	michaelwinka@bpu.state.nj.us
White, Tim	UnaLite	(347) 783-1430	twhite@unalite.com
Zeppie, Christopher	PANYNJ	(212) 435-4415	czeppie@panynj.gov