

**New Jersey's Clean Energy Program  
Energy Efficiency Committee Meeting  
September 23, 2009**

**Hosted by TRC**  
BPU Hearing Room, 8<sup>th</sup> floor  
Two Gateway Center, Newark, NJ

**Attendees:** Roger Kliemisch (TRC), Joe Carlamere (TRC), Karen Paine (TRC), Bruce Grossman (SJG), Arthur Pearson (The E Cubed Company), David Holland (Honeywell), David Wolk (Honeywell), Dale Congo (5<sup>th</sup> Street Renewable Energy Co), Donna Prewes (Municipal Land USC Centre), Julie deSeve (CSG), Mike Winka (BPU), Mona Mosser (BPU), Anne-Marie Peracchio (NJNG), Nikki Kuhn (VEIC), Ron Reisman (BPU), Maria Grazel (CSG), Dawn Chaplin (Honeywell), Mark MaGrann (Honeywell/MaGrann), Gabe Nathanson (NJHMFA/GHO), Yennaira Ortiz (Honeywell), Steve Tesoriero (Renewable Resources), Kim Hoff (CGS), Kathleen Coviello (NJEDA), Kim Ehrlich (NJEDA), Walt Sparrow-Hood (PSEG), Elaine Bryant (PSEG) Joho Donahue (FMA NJ), Jeffrey Miller (Quadrillion RE), Fred Hauber (Eastern Energy), Jamal Garner (BPU), William O'Hearn (Consultant Lakeland RHS), Ben Adams (Honeywell/MaGrann), Ruben Brown (E Cubed), Mark Sussman (Earth Tech Energy Solutions), Anthony Truppi (Velux SHW), Erick Barraglia (Honeywell), Linda Wetzel (AEG), Mike Ambrosio (AEG), Tom Donadio (JCP&L)

**By Phone:** Diana De Angeles (Pepco), Frank Reilly (TRC), Diane Zukas (TRC)

**Program Coordinator and Regulatory Updates**

**Presenters: (Mike Winka and Mike Ambrosio)**

**Updates on Filings, Board Orders and Regulatory Items**

- 2010 budget processes at last meeting
- Numbers that TRC and Honeywell are working with are a little higher than last month
- Today is the last meeting before compliance filings are due next week
  - Formal hearing will be held and written comments will be accepted
  - OCE will meet with TRC and Honeywell to revise filings
  - Final recommendations will be presented at December Board meeting.
- Board approved the order implementing entity caps for 2009 (TRC)
  - Will re-evaluate for 2010
  - This does not include TEACH or LGEA

**Q:** *Law regarding Prevailing Wage, when will be in effect?*

**A:** *Once the rules are in place will take effect immediately.*

**Market Manager/Utility Coordination**

- JCP&L, ACE, Rockland – Not approved yet
- NJ Natural Gas (Anne-Marie)
  - All staff on board and being trained
  - Applications are being received and starting today audits are being done
- PSE&G (Elaine)-
  - 45 energy assistance employees have been hired and are in the process of completing audits
  - Hospital Efficiency Program - working towards meeting goals
  - Direct Install – in market
  - Economic Stimulus Package added two additional programs

\*Non-profits are very eager to participate in programs

- South Jersey Gas (Bruce Grossman)
  - No longer has a Marketing/Sales dept. The new department name is Energy Efficiency, Education and Consulting Department
  - Training is in play/working with Julie at CSG for BPI certification of contractors
  - Non residential side is working with TRC

\*Enhanced rebates will be retroactive back to Sept. 8

### **State Economic Stimulus Plans**

- Energy Efficiency Block Grants
  - Moving along
- Energy Star Products Program
  - Davis Bacon Act does not apply
  - Available for any fuel regardless of location in NJ
- In process of signing memo of agreements with Office of Energy Savings & HMFA.
  - In order to move funding a memo of understanding is needed. Once this is signed programs will be launched.

\*NJ is ahead of country on providing rebates/incentives.

*Q: How will communications be done with MUI's?*

*A: Information will be on NJCleanEnergy.com web site, marketing team working on additional marketing tools, Fuel Merchants Association will market to their customers.*

### **Randall E. Solomon - Executive Director NJ Sustainable State Institute - Rutgers University**

#### **Sustainable Jersey:**

Three Part Program

- Identify actions that define what communities must achieve;
- Provide tools and guidance to enable communities to make progress; and
- Link or create incentives for municipalities that are making progress toward the actions.

#### **Sustainable Jersey Partners**

- NJLM, NJ State League of Municipalities, NJSSI, BPU, Center for Green Buildings, Municipal Land Use Center - College of NJ, NJ Department of Environmental Protection

#### **Actions**

Actions are the concrete steps municipalities can take to become more green and sustainable.

- Actions include:
  - Ordinances, Programs, Policies and Procedures, Facilities

#### **Tools and Guidance**

- Each "action" comes with a detailed tool and step by step "how to directions"
- Access to Sustainable Jersey Workshops, Trainings, and Resource Center

## **Incentives**

- Sustainable Jersey Grants Funded by Wal-Mart
- Priority in NJBPU LGEA Program and in NJDEP GHG Emissions Reduction Grants
- Working with PSEG, CPI/Honeywell to create additional cash rewards for scoring points
- The Sustainable Jersey Certification (being the best)

## **Policy Alignment with Partner Organizations**

- Anti-Idling: NJ Environmental Federation, USEPA
- Green Building: RCGB, NJDEP
- Energy Audits: NJBPU/CEP
- Natural Resource Inventory: Assoc NJ Environmental Commissions
- Land Use: New Jersey Future/NJDEP
- Walking and Wellness: Mayor's Wellness Campaign
- Energy Star: USEPA
- Recycling and Waste, Water and Resource Protection Ordinances: NJDEP

## **Linked Government Programs**

- NJCEP –Local Government Energy Audit
- NJDEP –Local Government GHG Emissions Reduction Grants
- EPA Region 2 Workshops and Trainings

## **Sustainable Jersey**

### Green House Gases

- Municipal Carbon Footprint
- Community Carbon Footprint
- Climate Action Plan

### Energy Efficiency

- Energy Audits for Municipal Facilities
- ENERGY STAR Buildings

### Green Design

- Green Design Commercial & Residential Buildings
- Upgrade and retrofit municipal buildings

### Sustainable Planning

- Community Asset Mapping
- Community Visioning for Sustainability
- Sustainable Community Plan

### Land Use & Transportation

- Sustainable Land Use Pledge
- Complete Streets Program
- Sustainability Master Plan Element

### Waste Reduction & Recycling

- Waste Reduction
- Recycling

### Health and Wellness

- Mayor's Wellness Campaign
- Anti-Idling Education & Enforcement

#### Natural Resources

- Natural Resource Inventory
- Natural Resource Protection Ordinances
- Water Conservation Ordinance
- Environmental Commission
- Tree & Woodlands Management

#### Local Economies

- Local Food Production & Gardens
- Planning for Food and Community Gardens
- Green Business Recognition Program
- Support a Buy Local Campaign
- Green Jobs & Economic Development

#### Community Partnership & Outreach

- Create Green Team
- Community Education and Outreach
- Green Challenges & Community programs
- Green Fairs
- School Programs and Partnerships

#### Innovative Demonstration Projects

- Alternative Energy
- Water Infiltration Techniques
- Other

#### Diversity & Equity

- Diversity on Boards & Commissions
- Environmental Justice in Planning

### **How Does a Municipality become Sustainable Jersey Certified™?**

#### **Explore the SUSTAINABLE JERSEY™ Actions**

1. Review Tools and Resources
2. Complete at Least **100 Action Points**

Every community must create a Green Team and select at least 2 of 4 remaining Priority Actions:

- Energy Audits for Municipal Buildings
- Municipal Carbon Footprint
- Sustainable Land Use Pledge
- Water Conservation Ordinance

#### **Who Created the Actions?**

- To create rigorous and broadly accepted standards we convened a *Sustainable Communities Working Group*

#### **Sustainable Communities Working Group**

- Over 150 leaders from:
  - academia
  - the non-profit sector
  - the business community, and

- state, local, and county government
- Organized 16 Taskforces to identify best practices in their topic area
- Identified top actions for local governments to undertake
- Taskforces are currently updating and creating the second round of actions, tools, and incentives for Sustainable Jersey

#### Sustainable Communities Working Group Participants Included

- NJ Board of Public Utilities, Office of Clean Energy
- New Jersey Future
- US Environmental Protection Agency, Region 2
- New Jersey Natural Gas/New Jersey Resources
- New Jersey Environmental Federation
- Matrix Development Corporation
- Environment New Jersey
- Association of New Jersey Environmental Commissions
- Public Service Electric and Gas
- Delaware Valley Regional Planning Commission
- Atlantic County Utilities Authority
- Plan Smart New Jersey
- NJ Department of Community Affairs, Office of Smart Growth
- Middlesex, Mercer, and Somerset Counties
- Isles Inc.
- New Jersey Chapter of the American Planning Association
- Somerset County Business Partnership-new High Performance Building resources
- Dozens of municipal officials from all over New Jersey

#### Sustainable Jersey Next Steps

- Develop Successive Rounds/Levels for Higher Performance (Silver, Gold, etc).
- Link more programs to reward higher municipal performance.
- Identify urban/suburban/rural and small/medium/large munisub-sets.

#### 2010 Funding Request

- Current NJBPU \$400,000 funding is off-cycle (on FY not calendar year)
- Requesting \$200,000 for continuation of program for balance of Calendar Year 2010
- Requesting \$45,000 in additional funds to create Integrated Program/Funding Portal and Database
- Partnering in CPI "whole community" pilot for \$80,000

### **Marianne Graham** **ICF International** **EPA Initiatives – ENERGY STAR**

#### **Marketing and Communications ENERGY STAR Challenge**

- National call to action for building owners and operators
  - Set at least 10% reduction goal
  - Benchmark and take action to improve
  -
- Opportunities for NJ Clean Energy
  - Partner with local governments and industry participants
  - Leverage the Challenge in customer outreach

- Take advantage of the Challenge marketing toolkit
- Leverage as part of your Community Partner Initiative

### **Go Green Nights**

- PTO Today is partnering with the Change the World Campaign for family evening events in schools.
- To Date:
  - 97 NJ Schools have signed up for Go-Green Night Events
  - 35 have requested Program Sponsor Support.
  - List is updated bi-weekly
  - Opportunity to expand NJ current initiative with Green Market Fundraising.

### **Residential Products**

- EPA ENERGY STAR initiatives for 2010:
  - Residential Light Fixtures and Decorative Light Strings. (Opportunity with Costco for NJ)
  - Audio / Video
  - Televisions
  - Displays / Monitors
  - Computers
  - Set-Top Boxes
  - Imaging Equipment
  - Smart Plug Strip Assessment
  - Commercial Food Service Products

### **RLF Program: By the Numbers**

- 8,200 models qualified 2008-2009
- Just under 25,000 total qualified fixture models currently in the market
  - 7,000 models employ GU24 lamps
- 200+ qualified GU24 based integrated lamps
- 160 partners have qualified product
- 7.2% market share in 2007
- 15M units shipped in 2007

### **The ENERGY STAR Advanced Lighting Package**

- Definition: 60%+ of indoor and outdoor hard-wired fixtures and 100% of all ceiling fans are ENERGY STAR qualified
- A valuable marketing tool to promote energy efficient lighting in residential new construction
- Allows builders to distinguish themselves and utilities to incentivize efficient lighting infrastructure
- Offer sustainable lighting savings with over 75% energy savings to "lock in the savings"

### **C/I Resources & Products**

#### **Training For Customers and Trade Allies**

- Customized and off-the-shelf trainings supporting a range of ENERGY STAR tools and resource
- NJ Clean Energy can leverage ENERGY STAR trainings to:
  - Educate customers on best practices for energy management
  - Train trade allies to more effectively deliver benchmarking and related services to your customers
  - Co-brand ENERGY STAR training resources. You could place a link to the Live Training Sessions on your Commercial home page.

#### **Energy Cost**

- Food service sector:

- Spends \$10 billion annually on energy
- 80 percent of this energy does no useful work
- 10 million commercial kitchen appliances

### **IT Products**

- Computers
- Copiers and fax machines
- Digital duplicators
- Monitors/displays
- Printers, scanners, and all-in-ones
- Enterprise servers (New!)
- Data center storage (in development)

### **Data Center Initiatives**

- Effective May 15, 2009
- Manufacturers currently testing and submitting products for ENERGY STAR qualification
- Qualified servers can be found at: [www.energystar.gov](http://www.energystar.gov) Click on "*products*"

### **The Value behind ENERGY STAR Servers**

- Allow buyers to easily identify servers which deliver same performance while using the same or less energy
  - For buyers looking to invest extra money in performing work efficiently, not necessarily achieving incremental performance gains.
- Greater information transparency to compare system power use and capability
  - Measurement & reporting of key power & performance metrics/data

### **What's Next for Servers**

- Anticipate Tier 2 in early 2010
- Expanded scope to include any configuration
  - servers with high socket count - blades
  - multi-node servers - server appliances
- Refine tier 1 criteria
  - Power supplies, power factor, idle, manageability
- Expanded power & performance data sheet
  - Provide opportunity to expose more benchmark scores
- Recognize/reward the application of power management
- New means to highlight servers that are the most efficient when doing actual computing

### **Connecting Performance & Energy Consumption**

- Marketing language typically focuses on performance, i.e., the speed of computing
- Benchmarks used for speed could also yield energy consumption data for actual servers & shipped configurations
- EPA goals: 1) Determine usefulness of benchmarks as proxies for real world applications 2) highlight the connection between compute performance and associated energy use by blending this into an "active" mode criteria

### **ENERGY STAR Rating for Data Center Infrastructure**

- Build on existing ENERGY STAR platform (1-100 scale)
- Score of 75 or higher qualifies for ENERGY STAR Applies to both stand-alone data centers & those in an office or other building
- Assess performance at the building level
- Point users to additional unbiased resources to help pursue a tailored strategic energy management plan based on business goals and available resources

## How other utilities are using ENERGY STAR in their programs?

### Northwest Energy Efficiency Alliance (NEEA) Pilot Project

- Four pilot projects involving: Leveraging Advocates
- Training & Educating Builder Reps
- Training & Educating Showroom Staff
- Building a Model Home & Conducting a Media Event

\*EPA very happy with Pay for Performance program.

\*Would like to write up case study on Pay for Performance.

\*Would like to add a direct link from NJCleanenergy.com to portfolio manager.

## Commercial/Industrial Programs

Presenter: TRC Team

- Update on Current Commercial/Industrial Programs

- 2010 Commercial/Industrial Programs Overview

### 2009 Program Update

- Direct Install
  - Program development is back underway!
  - Turn-key program to be delivered state-wide by ~ 7 Contractors selected through RFP process
  - Contractor negotiations to resume, targeting mid-November launch

### Existing Programs – Proposed Modifications for 2009

- Implement program-wide annual entity cap\*
  - \$4 million per calendar year (\$5 million if entity participating in P4P and installs CHP)
- Entity cap based on calendar year
- Definition and examples of an "entity" will be posted to website
  - Definition closely follows the renewable program definition
- Incentives received under LGEAP and TEACH do not count towards cap

*\*Presented to the Board 09/16/09. Awaiting signed Board Order*

- Proposed Definition of Non-profit entity (*relates to the limited time offer for increased incentives under P4P*):
  - **Charitable Organization or Charity** refers generally to organizations that are exempt from taxation under Section **501(c)(3)** of the IRS Code
  - Section 501(c)(3) describes groups organized and operated for one or more of the following purposes: charitable, religious, educational, scientific, literary, testing for the public safety, fostering national or international amateur sports competition, or the prevention of cruelty to children or animals. Day care centers, food banks, low-income housing organizations, mental health organizations, United Ways, museums, theatre groups, colleges and environmental groups are just some examples of the many types of charities
  - At this time, Civic Leagues and Social Welfare Organizations, Trade Professional Associations and Social and Recreational Clubs are not eligible for the increased incentives.

### 2010 Budget Highlights

- Increase Pay for Performance budgets



- Maintain increased incentives for hospitals, select non profits, universities, government entities not receiving EECBG and affordable multi-family customers (low income, subsidized, HUD)
- Increase New Construction Budget
  - Pay for Performance expect to start accepting applications in October (date to be announced)
  - Budget anticipates increased market interest
- Increase Sector Specific budget
  - Add more Sectors – data centers and commercial
  - Expand technical service offerings to sectors – Post benchmark
- Increase TEACH budget
  - One tool kit per school rather than per district
  - Provide post installation benchmark with recognition
  - Double energy education component of budget to allow more schools to participate
- Maintain or decrease remaining budgets (retrofit, schools, etc.)
- Budget shown for CHP is carryover for projects in construction from 2006 and 2007

### **Custom Program Changes – 2010**

- Elimination of Custom Screening Tool
  - More performance based incentives relative to savings
  - Allows transparency for customers and contractors
- Incentives will be established which will be equal to a set value of:
  - \$0.16/kWh and \$1.60/therm based on estimated annual first year savings
    - Capped at 50% of total installed project cost or a buy-down to a one-year payback
- Commissioning will be required for all projects
  - Cost will be offset with a bonus incentive (~5%) that will be calculated on the project incentive, and not to exceed \$5,000
  - Commissioning requirements will be developed
- Continued movement of custom measures to prescriptive
  - Refrigerant case LED's
  - Occupancy Sensors
  - ECM (fractional motors under 1 HP)

### **Proposed Prescriptive Program Changes**

- Lighting:
  - T-8 to T-8 incentive for delamping will require new ballast to address higher THD
  - Change incentive from \$10 and \$20 for T-12 to T-5 or T-8 to \$15 (1-4 lamps)
  - New incentive for T-8 to reduced wattage T-8 of \$10 fixture (1-4 lamps)
  - New incentive of \$50 (retrofit) and \$70 (new) for exterior HID fixtures to induction fixtures
  - Increase incentive for fluorescent daylighting dimming (office only) to \$50 per fixture controlled
- Gas Heating
  - Remove incentive for electrically commutated motor
  - Change the incentive to \$500 for 90% AFUE or Energy Star gas furnace
- Gas Water Heater
  - Create incentive for natural gas tankless water heaters to drive customers towards that technology
  - $EF \geq .82 = \$300$ , same level as WarmAdvantage.
  - Tank must be for new construction or replacing a traditional water heater.

### **Existing Programs – Proposed Enhancements**

- Offer LGEAP audit-type service to *select* non profits
  - 75/25 for incentive reimbursement
  - Definition of these entities as previously defined

- Allow multiple measure bonus for lighting and lighting controls
  - Drives customers to look at both simultaneously, more savings/bldg for overall lighting improvements (currently lighting plus another technology)
  - Increase multiple measures bonus to 15% from 10%
    - Supports goal of a wholistic approach, more measures per building
- Direct Install – Integrate financing options through utilities
- Enhanced Technical Assistance – customers want audits
  - Available to customers with demand > 200 kW
    - Energy SWAT team member meets with customer
    - Provides a walk-through assessment
    - Deliver a high level assessment of the opportunities
    - Generate an “Action Plan” for moving ahead with recommended improvements

### **Proposed New Program**

- Retro-commissioning (RCx)– conduct an analysis that will recommend specific improvements to attain maximum performance levels. Incentives provided on a \$/SF basis with cap.
  - NJCEP defines Commissioning Process (Industry Certification)
  - The steps are:
    1. Data Collection Phase as customer provides past bills, O&M history, problems, service contract info, etc.
    2. Planning Phase has RCx firm conducting building walk-through after analyzing past utility bills and other customer supplied information
    3. Investigative Phase includes analyzing data provided by building staff, outside contractors, O&M records, etc. relative to occupancy, temps, etc. This is followed by diagnostic monitoring to determine energy-use baseline and submittal of a recommendations report for improvements
    4. Implementation Phase of recommendations followed up by hand-off to customer including O&M manuals and training

*Q: Has TRC received any applications for the new lighting rebates added earlier this year?*

*A: Haven't received any applications on this.*

*Q: What is the status of eliminating the municipalities from paying the 25%?*

*A: Donna/Randy from NJ Sustainable State Institute will provide TRC with a name at the League to discuss this with.*

**Other Comments:** Fred Hauber believes the proposed incentive for induction fixtures is too low. Mike Ambrosio asked TRC to include detail in the 2010 plan on how they will interact with utilities.

**\*Not on presentation – TRC looking into additional geothermal opportunities.**

### **Residential Programs**

**Presenter: Honeywell MM Team**

- **Update on Current Residential Programs**
- **2010 Residential Programs Overview**

### **HVAC Program COOL and WARM Advantage**

WARM Advantage Completions - 102% of 2008 YTD

COOL Advantage Completions - 50% of 2008 YTD

HVAC Completions- 82% of 2008 YTD

### **Room A/C Completions**

Seasonal \$20 rebate program from May 14, 2009; Trending 61% to Goal

### **Washer Completions**

For 2009, the program includes only MEF 2.20+ at a \$75 rebate; Trending at 133% to Goal

### **Dehumidifier Completions**

Now a \$25 year-round program in 2009; Trending at 312% to Goal

### **CFL Completions**

Now a year round program in 2009 - Trending at 133% of goal

### **Residential New Construction Statewide Results (Enrollments)**

Enrollment budget 5,400 units. Participant goal currently 2,799 units (27% of Permits Jan-May)

### **Residential New Construction Statewide Results (Completions)**

Completion budget 4,088 units. Participant goal currently is 3,853 units (28% of CO's Jan-May)

### **Home Performance w/ Energy Star Statewide Results – Audits**

New 2009 Program Audits Offered beginning March 9; Goal is 2,300 Program Audits

Trending at 105% of YTD Goal

### **Home Performance w/ Energy Star Statewide Results – Completions**

74 Accredited Companies/123 Certified Contractors; Completions trending at 88% of YTD goal

### **Timeline for Market Manager 2010 NJCEP Filing**

2010 Program Final EE Committee Review:	Sept 23
Present to Clean Energy Council:	Pending
Final Plan Filed With BPU:	Sept 30

### **Themes for 2010**

- Optimize Program Operations Based On Lessons Learned
- Integrate Utility Programs (HPwES, HVAC)
- Incorporate Results From Pilots (RNC, HVAC)
- ARRA (HVAC, Products, HPwES)

### **2010 Proposed Changes for HVAC**

- Recombine And Increase Existing *COOL* Advantage Incentives
- Implement Higher Tier *COOL* Advantage Incentives
- Maintain service territory parity – Provided Increased *WARM* Advantage Incentives for PSE&G Gas Customers
- Refocus Marketing Towards Customers
- Re-invigorate Contractor Participation Through Account Management & Participation Incentives
- Review/Revise Applications And Process

### **2010 Proposed HVAC Budget**

- \$19.3M Total
- Key Budget Changes
  - Success Of SDHW Incentives
  - Increased Incentives To Drive Program Participation; Maximize Savings; Commensurate W/ Offerings In Other Regions
  - Impact Of Utility Programs

### **2010 Proposed HVAC Goals**

- Key Metrics:
  - 9,500+ *COOL*Advantage Installs
  - 22,000+ *WARM*Advantage Installs
  - 3,000+ AC QIV and 1,500 Efficiency Tune-Ups
  - 400 SDHW
  - 100 Duct Sealing

### **2010 Proposed Changes For RNC**

- Implement Marketplace For Open HERS Rating Services
- Impact Commitment Cycle Times
- Continue Implementation Of 3 Tier Approach
  - Big (>4000 Ft<sup>2</sup>) Homes Must Meet Tier 2 Requirements
- Develop Customer Incentives, Shift Marketing Focus To Customers
- Finalize Intensive Tier 3 Savings Study
- Review And Respond To Pending Code Changes

### **2010 Proposed RNC Budget**

- \$29.9M total
- Key Budget Impacts
  - Open Market For HERS Rating
  - Continued Market Uncertainty
  - Tier 3 Uptake Rate

### **2010 Proposed RNC Goals**

- Key Metrics:
  - 4,500 Sign-ins And 4,000 Completions
  - Review Implications Of Open Rater Marketplace

### **2010 Proposed Changes For Products**

- New Offerings For 2010
  - Consumer Electronics (Set Top Boxes, TVs, Computer Monitors)
  - Home Energy Reports Pilot In Coordination With Utilities
  - ARRA Appliance Program
  - Pool Pumps
- Increase Incentives for Refrigerator Recycling (\$50)
- Prioritize CFL Recycling
- R&D, Heat Pump Clothes Dryers

### **2010 Proposed Products Budget**

- \$25.3M total
- \$8.3 In Federal Appliance Incentives Available
- Key Budget Changes
  - Optimize CFL Incentives
  - Pool Pumps, Consumer Electronics
  - Increase Appliance Early Retirement Incentive

### **2010 Proposed Products Goals**

- Key Metrics:
  - 7 Million+ CFLs
  - 20,000 Refrigerators/Freezer Early Retirements
  - 30,000 Clothes Washers

- 50,000+ Consumer Electronics
- Introduce Pool Pumps

**2010 Proposed Changes For HPwES**

- Coordinate With Utility Loan Programs
- Accommodate Utility-generated Participation
- Maintain Tier 2 And Increased Tier 3 Incentives Until 6/30/09. Re-evaluate At That Time.
- Support Activities That Develop Additional BPI-certified Contractor Resources
- Addition Of Low Cost Audit For Income Qualified Participants Through NJ Shares

**2010 Proposed HPwES Budget**

- \$49.2M total
- Key Budget Changes
  - Support Utility Filings
  - Support Enhanced Incentive Levels
  - Income Qualified Audit Rates

**2010 Proposed HPwES Goals**

- Key Metrics:
  - 6,663 Audits Completed (Tier 1)
    - ~10,000 Total When Including Utility Conducted Audits
  - 4,000 Air-sealing Jobs Completed (Tier 2)
  - 4,000 Comprehensive Jobs Completed (Tier 3)

**2010 Community Partners Initiative**

- Implement Collaboration With Sustainable Jersey
- Review Municipal Incentives
- Develop "Whole Community" Pilots

**2010 Community Partners Budget**

- Budget \$2M total
- Key Budget Changes
  - Implement Intensive Community Partner Initiatives

**2010 Community Partners Goals**

- Develop NJ Communities As A Channel To Increase Participation In NJCEP
- Provide Single Point-of-contact For NJCEP Programs To NJ Communities
- Pilot Community Scale Deep Energy Savings
- Promote NJCEP Programs In Support Of EMP 20/20 Goals

**EE Programs Marketing Review**

- Refocus RNC & HVAC Outreach Towards Customers
- Continue Community Based Outreach
- Strengthen Peer To Peer Opportunities
- Develop Event Focused Resource
- Budget \$3.7M

**Q:** *Goal for Tier 3 (residential program).*

**A:** *Was 55 for 2009, Honeywell will provide number.*

**Q:** *In regards to support activities that develop additional BPI certified contractors, has there been a commitment for additional trainers?*

**A:** *Community Colleges are offering courses, information can be found on NJCleanEnergy.com.*

**Comments:**

Mike W- DCA moving to ICC 2009. Envision adopting by end of this year and probably in effect July 2010

Mike W- has contact for recycling coordinators who will provide free PR.

## **Program Updates**

### **Gabe Nathanson NJHMFA/GHO**

- HMFA has several pending initiatives funded by ARRA.
  - Multifamily Energy Efficiency Improvement Pilot
  - Multifamily Solar Loan Pilot
  - HESP (financing for HPwES projects that don't qualify through EFS)
- HMFA would like to pursue future funding for these programs once the ARRA funding expires in 2012.
- HMFA is also looking to develop an Energy Efficiency Mortgage, where homes that are built or renovated to a high standard of energy efficiency would qualify for a "better" mortgage. That might be a lower rate, or better loan ratios, or a higher loan ceiling. Will look to work with BPU on this initiative.

### **Kathleen W. Coviello Director - Technology & Life Sciences Edison Innovation Fund New Jersey Economic Development Authority**

#### **New Jersey Economic Development Authority Program Overview**

- New Clean Energy Programs Under Development/Upcoming
  - ARRA-funded Edison Innovation Project Fund
  - Edison Innovation Green Growth Fund
  - Wraparound to CST Clean Energy Fund
- 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
  - Supporting Renewable Energy and Energy Efficiency Technologies, Clean Energy Industry in New Jersey, Green Jobs Growth
    - Helping companies "go green"
    - Helping companies develop the products to help other companies "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
- EDISON INNOVATION CLEAN ENERGY MANUFACTURING FUND
  - 1<sup>st</sup> Solicitation 1/29/09; 2<sup>nd</sup> 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 of \$3.3 Million
  - 2<sup>nd</sup> Solicitation review committee recommending 5 companies for funding for approximately \$12mm
  - Very High Customer interest and demand for program
  - EDA drafting proposal to an open rolling application process

>>> 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
  - Very high demand for program; Currently oversubscribed based on EDA funds available through current RGGI auctions
- Clean Energy Solutions Combined Heat and Power Program (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
  - Very high 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

- Provide match 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

>> Request for \$14mm 2010 CEF Funding to support this critical segment

*Q: The question was asked regarding the dollars used to support this.*

*A: Mike W asked that this be submitted in writing and will be addressed.*

#### **2010 Budgets**

- Power point slide presented with figures(Mike A will circulate slide).
- Estimated 2009 carry over is \$283M

#### **Next Meeting:**

Please check web site for date of next meeting.