

**New Jersey's Clean Energy Program™  
Energy Efficiency Committee Meeting  
February 11th, 2014, Trenton**

**Featured Topic: Combi-Boilers**

A presentation was made by Dennis Tinson from Navien, a Korean manufacturer that entered the US market six years ago. He provided an overview of the NCB Series Gas Combi-Boiler which combines a closed loop hydronic system (boiler) with an open loop hot water system. This unit provides all domestic space heating and water needs in one unit and provides an endless supply of hot water. It runs on 109,000 BTUs – and is best sized for a home that is 3,000 square feet or less. It can heat 4.5 gallons/minute, and therefore can handle two 2 showers at the same time. The unit cannot be oversized as it matches demand.

This unit is rated as an AHRI closed loop boiler system, and the water heater is not rated for energy factor. There is no true combi-boiler category for AHRI or ENERGY STAR®. The heat exchangers are separate. A CAFUE rating should be out within the next 18-24 months. Navien could have had the combi rated by an Energy Factor but it was a business decision as there is a greater reward to be recognized as a closed loop hydronic system which is why they went after AHRI designation.

PGW & Massachusetts are looking at offering incentives for this type of equipment but New Jersey currently has no rebate for it. The equipment is installer friendly- less expensive to install than traditional equipment. It costs 25% less than a condensing boiler and an indirect water heater, and has a 10 year warranty on heat exchanger vs. domestic water heater which is 6 years.

Anne Marie noted that this type of equipment is being installed in shore areas who may have lost one or more furnaces as the fact that it is wall hung and does not sit on the floor is attractive to those rebuilding.

**Program Coordinator and Regulatory Updates**

**Discussion of NJCEP Program Administrator RFP / Transition Status**

Betsy stated there is no update on the Program Administrator RFP.

**FY15 Funding Levels**

Betsy stated that Staff is developing the CRA for 2015 NJCEP funding and is targeting a March release of a straw proposal. The FY15 programs and budgets will be developed on a somewhat parallel path. Betsy also stated that Staff has given CEEP the go ahead for a baseline study and process evaluation study. At the last Board meeting, Staff was given the authority to move funds within the budget with certain criteria.

**Status of CHP Program**

Mike Winka shared that GORE (Governor Office of Recovery Efforts) has filed their Action Plan. The Community Development Block Grant has a second round of funding at \$1.46B and public hearings are underway. \$40M still remains in the CHP program, with just two small projects having been submitted since the program re-opened.

**Energy Resiliency Bank update**

Mike Winka provided an update on the \$25M Hazard Mitigation Grant Program. US HUD has approved \$210M in the energy bank program and is developing resiliency standard which will include proven or innovative technologies like micro-grid technologies & solar storage with backup battery generation. The goal is to provide both technology and financing (one stop shop). Municipalities, non-profits, State facilities, and small businesses are eligible for this funding.

## Residential Program

Honeywell Team (see handouts)

- Fiscal Year 2014 Program Results
- Hurricane Sandy Response Update

## Commercial & Industrial Program

TRC Team (see handouts)

- Fiscal Year 2014 Program Results
- Hurricane Sandy Response Update

## Utility Updates

### NJNG

NJNG is running a school fundraiser from March 1 to May 31. The program will offer \$5 per referral to customers who perform an energy assessment, and \$25 to those who have an energy audit. This is open to schools in Monmouth, Ocean and Morris counties.

## Other Business, Next Meeting

Ben Adams questioned whether OCE Staff has been able to contact anyone regarding coordination of funds available for ENERGY STAR/Sandy rebuilt homes. The issue is still open.

The next meeting is March 11, 2014 in Trenton.

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**Tuesday, February 11, 2014**  
**Hosted by Honeywell – NJBPU Trenton**

<b>Name</b>	<b>Company</b>	<b>In Person</b>	<b>By Phone</b>
Ackerman, Elizabeth	BPU	X	
Adams, Ben	MaGrann Assoc.	X	
Albucher, Chelsea	Consultant		
Aller, Larry	Next Step Living.com		X
Ambrosio, Mike	AEG	X	
Attardi, Davide	Facility Solutions Group		
Bachmann, Joanne	CSG		
Barnes, Anthony	EnergySavvy		
Berlin, Jake	Willdan Energy Solutions		
Betzel, Ming	Green Tech Energy		
Birch, Ed	Strategic Energy Group		
Bitner, Angela	EFS		
Bourbakis, Chris	Constellation Energy		
Bovio, Brian	Bovio Heating		
Bowen, Mark	Franklin Energy		
Boyd, Mary Jo	CSG	X	
Brooks, David	Gibbons P.C.		
Bryant, Elaine	Birchview Efficiency		
Burack, Jefferey	Comverge		
Burke, Kevin	Honeywell	X	
Camarota, Tony	EPOX-Z		
Carpenter, Joseph	NJ DEP	X	
Chaplin, Dawn	Honeywell		
Chiu, Susanna	PSE&G		
Colander, Brandi	Opower		
Costenaro, David	ENEROC		
Cristofolo, Angelo	Air Group LLC		
Daniels, Kwesi	NJ HFMA		
Davis, Asa	Bloom Energy		
Deangelis, Diana	Pepco Holdings		
DePino, Kristin	CSG		
DeLuca, Brian	TRC	X	
Dempsey, Peter	South Jersey Energy Service Plus		
Desimpel, Tom	CMC Energy		
Deubie, AJ	New Millennium Lighting		
Dewitt, Frank	Alternative Energy Assoc.		
Dietterick, Jason	The Stone House Group		
Dolan, Brian	Intellidyne		
Donadio, Tom	JCP&L		
Donohue, John	On behalf of Fuel Merchants Assoc		
Dubos, Tom	Strategic Energy Group		
Dumchus, Linda	NJR Home Services		
Ellman, Susan	NJNG	X	
Esser, Danielle	NJ HFMA		
Evans, Deane	NJIT		

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Evans, Frank	Comverge		
Fallick, Jesse	Donnelly Energy Solutions		
Favey, Patrick	DOE		
Felder, Frank	CEEEP		
Fennell, Mark	UGIPS		
Figuera, Gabrielle	Devan Mosccc Givclitta and Zarillo		
Fischer, Scott	Ciel Power LLC		
Fisk, Andrew	CSG	X	
Flannery, Mike	MaGrann Assoc.		
Flynn, Don	Nexant, Inc.		
Fontaine, Greg	A&E Construction		
Foreman, Sheila	One Change		
Foster, Rebecca	VEIC		X
Fox, Eileen	GreenTech Energy Services		
Frederick, Rachael	Apogee International		
Garvey, John	BPU	X	
Gennello, Joe	Honeywell		
Georgi, Anthony	Honeywell	X	
Gordon, Angela	Lockheed Martin		
Graham, Marianne	ICF working in support of EPA ENERGY STAR ®		X
Grossman, Bruce	SJG	X	
Grossman, Kate	Greenwich Energy Solutions		
Gubb, David	CleanEdison		
Guhl, Christine	Sierra Club, Beyond Coal Campain New Jersey		
Haaz, Frank	Blue Sky Power		
Haddock, Kyle	EIC, Comfort Home		
Hamblic, Steve	Opower		
Hauber, Fred	Eastern Energy Services, Inc.		
Hayes, James	The Stone House Group		
Hazard, Caroline	SRA International Inc		
Heise, Dani	TechniArt		
Hendricks, Mahogany	BPU		
Hinkle, Barry	Lockheed Martin		
Hoff, Kim	CSG		X
Holl, Ryan	Verity Energy Advisors		X
Holland, Dave	Honeywell		
Holmes, Bill	SJG	X	
Hunter, Scott	BPU		
Hurlburt, Denise	SJG		
Hutchinson, Ed	Hutchinson Mech. Services		
Ingelido, Richard	ConEdison Solutions		
Irlacher, Dana	NJ HFMA		
Janowiak, Ed	EHCC	X	
Jenkins, Jeff	Jenkins Jr. Plumbing		
Johnson, Cindy	CSG		

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Jones, Sherri	BPU	X	
Kace, Joshua	CrunchEnergy		
Kaplan, Matthew	Revireo		
Kass, Lloyd	Willdan Energy Solutions		
Klockner, David	Eneractive Solutions		
Kuhn, Nikki	VEIC		
Kurdian, Grace	Watson, Farley and Williams		
Lang, Nick	VEIC		
Langford, Carolyn	Willdan Energy Solutions		
Lehrer, Ariana	Next Step Living		
Lesch, John	Eneractive Solutions		
Lewandowski, Kurt	NJ Rate Counsel		
Liaukus, Christine	Center for Building Knowledge		
Lupse, Janja	CSG	X	
MacCarrigan, Fran	Tozour Energy Systems, Inc		
Magrann, Mark	MaGrann Assoc.		
Makowiecki, Colleen	FirstEnergy Corp.		
Manning, Jamison	FirstEnergy Corp.		
Markwood, Scott	O&R		
Marshall, Bob	NJ Energy Coalition		
Martinelli, Emil	SJESP / Bradley's MDI		
Marx, Rick	EAM Assoc.		X
McAllister, Bob	McAllister		
McCleery, Doug	MaGrann Assoc.		
McShea, Anne Marie	BPU		
Menk, Jonathan	Blue Sky Power		
Miller, Ashley	TRC		
Mitchell, Allison	BPU		
Miucio, Nick	1 LLC		
Molander, Frank	Applied Proactive Technologies		X
Murdach, Jay	Well Home		
Napoleon, Alice	Synapse Energy Economics Representing Rate Counsel		X
Nathanson, Gabe	NJ HFMA		
Navarra, Joe	HVAC Consulting		
Neubauer, Franklin	Core Metrics		
Nole, Meredith	American Efficient Lighting		
O'Brien, Nancy	EFS		
O'Connor, Daniel	Trane Turnkey/Energy Services		
O'Donnell, Tony	Sustainable Jersey	X	
Ohl, Chrissy	PSE&G		X
Olsen, Art	SmartWatt Energy, Inc.		
Orlando, Nicole	DH Services Group		
Palmer, Bill	Kamson Corp	X	
Parlapiano, William J. III	PECI		
Patraju, Ravi	NJ EPA		
Payne, Clif	CMC Energy		

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Pearson, Arthur	The E Cubed Company		
Pecora, Tom	Honeywell		
Perracchio, Anne-Marie	NJNG	X	
Pierce, Barbara	NJ EDA		
Pierce, Bob	EDI		
Pollack, Avi	Energy Analysis Group		
Price, Jim	Freedom Solar		
Prowse, Gwen	NJ HFMA		
Pugliese, Tony	ETG		
Puma, John	Kamson Corp		
Rahikainen, Anne	Renewable Frontiers Consulting LLC		
Reilly, Frank	TRC		
Reinstadtler, Thomas	RJ Walsh Assoc		
Reisman, Ron	VEIC		
Rhodie, Alan	Tristate Light and Energy		
Richman, Josh	Bloom Energy		
Ringhof, Susan	PSE&G		
Roberts, Terri	PSE&G		
Rohmund, Ingrid	ENEROC		
Ross, Robb	Easy Energy USA		
Ryan, Jerry	NJNG	X	
Roanova, Valentina	TRC		X
Savkovich, Marko	American Efficient Lighting		
Schmid, Tim	E-Finity Distributed Generation, LLC		
Schmidt, Ed	MCR		
Schmidt, Vicky	TRC		
Schoen, Scott	Beehive Htg & Clg		
Seelaus, Andrew	EMC2 Development Co. Inc		
Senski, Robert	South Jersey Energy Service Plus		
Shaikh, Siraj	JCP&L		
Shamlan, Karine	Clean Markets, LLC		
Sherako, Jill	Eastern Heating and Cooling Council	X	
Sherwood, Robin	EFS		X
Siai, Michael	EELC, Newark		
Siegel, John	Quanta Technologies, Inc		
Sillars, Scott	Isles		
Slaten, Marisa	Public Utilities Section, Division of Law		
Solomon, Randy	Sustainable Jersey		
Sparrow-Hood, Walt	PSE&G		
Steigelmann, Bill	Lockheed Martin		
Steindel, Sarah	NJ Division of Rate Counsel		
Stewart, Patrick	ACCA NJ		
Stone, Gordon	BPCA - NJ / Home Energy Matters		
Sutcliffe, S. Lynn	EnergySolve LLC		
Swift, Don	CSG	X	

