

## PSEG ENERGY EFFICIENCY WORKSHOP

### PSEG NEWARK HEADQUARTERS

November 5<sup>th</sup>, 8AM-11:30AM

#### PANELIST BIOGRAPHIES

**Ralph Walker** is an Associate with Gensler. He has worked as an architect for the past 10 years on Corporate and Education projects in New York, New Jersey, and California. He has worked closely with private, corporate and institutional clients to determine their vision, address their needs, and create new facilities. For the past three years Ralph has been on the forefront of the sustainability efforts in the Gensler Morristown office as the project architect for St. Philip's Academy in Newark, and as a member of the PNC Branch Bank roll out. St. Philip's Academy is the first LEED project in Newark, NJ and PNC is the first LEED roll out in the country. Ralph is also active with the NJ Chapter of the USGBC as a member of their speaker's bureau. His work has had a lasting impact on both his clients and the community at large. The St. Philip's Academy team was recently honored with a NJ Smart Growth Award.

**Rick Brooke**, president of Jersey Solar, has 27 years of field experience in the installation and service of solar energy systems. After majoring in business administration at the Wharton School of the University of Pennsylvania from 1970-75, Rick began his solar energy career in San Diego, California in 1976, learning the business from the ground floor up. He worked as a solar installer for several local solar contracting companies until 1979, when he left the field to train other solar installers for the Solar Energy Industries Association and National Association of Home Builders from 1979-1982. Rick was one of three instructors who trained and placed over 150 solar installers in the booming Southern California solar marketplace.

Moving back to New Jersey in late 1982, Rick started Jersey Shore Solar, Inc. He became interested in photovoltaics early on, using photovoltaic modules to operate DC pumps for solar hot water systems. These photovoltaic modules, and their original DC pumps, are still operating today, making lots of hot water for their owners. Rick installed his first solar electric system on his home in Lakewood in 1998, purchasing an AstroPower photovoltaic system with battery backup from GPU Solar, a joint venture between AstroPower and GPU International. He also joint ventured with FIRST, a PV systems integrator and engineering firm, to install systems for Dr. Karl Boerr, AstroPower's co-founder, the Liberty Science Center in Jersey City, and for the Casino Reinvestment Development Authority. Rick and FIRST's president, Lyle Rawlings, became partners in Advanced Solar Products in 2001, which specialized in the installation of large commercial photovoltaic systems. Together they installed systems at Kearny High School, International Brotherhood of Electrical Workers (IBEW) offices in Lawrence Township, the Cordis, Ortho, and Janssen facilities of Johnson and Johnson, Howell Elementary Schools 1 and 2, and NJ Natural Gas at their Maude Service Center. Rick sold Advanced Solar Products, which he founded in 1991, and focused on Jersey Solar, which continues to install residential and small commercial solar electric systems for the NJ Clean Energy Program. Rick lives in Hopewell Township, with his wife, Theresa, and three sons, Jesse, Nick and Darby, a dog named Spicy and a cat named Elvis.

**Louis Rugulo** has over 16 years experience as a project manager and energy engineer, specializing in the development and implementation of demand-side management for major clients. Mr. Rugulo's experience encompasses design, retrofit, and troubleshooting of HVAC systems in a variety of applications such as residential, commercial, laboratory, clean-room, industrial and aircraft settings.

Mr. Rugulo has a thorough working knowledge of the various energy incentive programs available to New York and New Jersey customers, including financing, rebate, and grant programs. He has provided testimony as well as project consulting on demand-side management projects. Mr. Rugulo has a great deal

of specific experience with internal combustion engine, varying from their manufacture to commissioning of natural-gas engine driven water chillers and cogeneration applications.

He is past president of the New Jersey Chapter of ASHRAE, a professional society of engineers in HVAC industries, and currently sits on the Board of Governors of the NY Chapter. He has completed the “Train the Trainer” program instituted by ASHRAE and is currently a co-presenter in 90.1 Energy Code training seminars.

He is currently an adjunct professor in the Mechanical Engineering Department at Stevens Institute of Technology and an Instructor for the Professional Engineering (PE) Exam and Fundamentals of Engineering (EIT) Review Series offered through the Center for Professional Advancement.

Mr. Rugulo has a B.E. in Mechanical Engineering from Stevens Institute of Technology, with a concentration in Manufacturing Engineering. He is a registered Professional Engineer in the states of Delaware and New Jersey, and is a Certified Energy Manager through the Association of Energy Engineers.