

# ATLANTIC CITY SUSTAINABLE HIGHLIGHTS

## Ocean Wind Offshore Wind Farm

- The first offshore wind project in New Jersey delivering 1,100 MW of clean, reliable energy.
- Located 15 miles off the coast of southern New Jersey, creating enough electricity to power 500,000 homes.
- Ørsted with the support of PSE&G, is proud to present New Jersey's first utility-scale offshore wind farm.
- Ocean Wind provides clean, and reliable energy, significant capital investment and will supply more than 3.2 million New Jersey homes with offshore wind power by 2035.
- The project will utilize the GE Haliade-X 12 MW turbine.

## Jersey-Atlantic Wind Farm

- Atlantic Wind Farm consists of five, 380-foot turbines.
- Capable of producing a combined 7.5 megawatts of power, enough energy to power approximately 2,500 homes.
- Installed in December 2005, the wind farm is the first in the state as an eastern, urban, coastal, industrial, onshore, multi-turbine wind farm and it is one that is unique to the world.



## Solar Project

- A 500 kilowatt solar electric project comprised of 2,700 solar panels.
- Built in 2005, the system is estimated to produce more than 600,000 kilowatt hours of electricity annually, enough to power approximately 60 homes.
- Power produced in conjunction with the Jersey-Atlantic Wind Farm is used to operate the wastewater treatment facility.



## Compressed Natural Gas (CNG)

- October 2010, the first compressed natural gas station in South Jersey was built and operated by Clean Energy Fuels.
- Currently, more than 50% of the entire fleet and more than 85% of the collection vehicles run on CNG.



## Atlantic City Jitney (compressed natural gas fuel)

- In 2009, the New Jersey Clean Cities Coalition received funding from the EERE Clean Cities.
- Approximately \$15 million in funding allowed the city to purchase nearly 300 compressed natural gas vehicles.
- 190 Atlantic City Jitneys use the CNG fuel and provide shuttles for meetings and conventions.



## MARINA THERMAL FACILITY

- Operating since 2003 and supports the growth of the Borgata Hotel Casino and Spa.
- The Marina Thermal Facility added 5,200 tons of chilling capacity.
- Plant is designed with energy transfer stations with a capacity of 25,000 tons of cooling, 350,000 MMBtu of high temperature hot water production, and 8 MW of emergency power.



# ATLANTIC CITY CONVENTION CENTER SUSTAINABLE HIGHLIGHTS

## The Philosophy

Atlantic City Convention Center believes in a holistic approach strategy to sustainability. We work with event and sales staff to communicate the value of our sustainability program to our clients by not only selling the environmental and financial benefits of sustainability, but also how the program will enhance the visitor experience. This is achieved, not only through continuously updating and following building policies, but by also driving employee participation, creating simple to follow, easily achievable everyday steps that quickly become second nature in our individual job responsibilities.

## Energy Saving Strategies

Energy conservation is a major challenge for many convention centers as the buildings are often operating on a near 24-hour basis. At the Atlantic City Convention Center, we are continually looking for creative ways to reduce our impact.

ACCC efforts include measuring and tracking energy performance, developing and implementing an energy savings plan, and communicating the importance of energy savings and waste reduction to facility staff, clients and the community.

ACCC staff is involved at all levels, from shutting off lights and closing doors in unoccupied spaces to educating clients about how they can conserve energy and “green” their convention or event.

The Atlantic City Convention Center has also proved that low-cost and no-cost strategies can achieve energy savings. New steps include:

- Programming lighting and HVAC systems to minimize their use during non-peak times
- Discontinuing the use of certain architectural lights unless specifically requested
- Minimizing lighting and ventilation use during vendor load-in and set-up
- Activating air curtains during extreme temperatures or large events
- Utilizing only ENERGY STAR qualified copiers and printers and adopting policies that prefer ENERGY STAR rated appliances

## By the Numbers

Statistics that helped the Atlantic City Convention Center earn the LEED Gold certification:

- On average, over 3 million kWh of electricity is produced each year from the venue’s rooftop solar panels. This is the Equivalent of powering 250 homes for one year! Total solar generation equates to roughly 20% of the building’s total energy for an average year.
- Reduction of lighting loads by nearly 63% by retrofitting the facility with new LEDs.
- Reduction of water usage by 20% with installation of new low flush valves in the venue’s 32 restrooms.
- Improved operating efficiency of climate controls during changing seasons.
- Efficient operation of lighting and HVAC systems to minimize their use during non-peak times.
- Over 150 tons of recycled materials diverted from landfills in an average year.
- 9,583 lbs. of lamps, ballasts, batteries, and electronics were recycled per year.

