Exelon and Renewable Energy

Exelon believes that renewable energy must play a role in our energy future, along with energy efficiency, nuclear power, clean coal and natural gas. Renewables are important low-carbon generation options as part of *Exelon 2020,* our strategy to reduce, offset or displace Exelon's carbon footprint.

Today, Exelon's energy portfolio has more than 2,000 megawatts (MW) of owned and contracted renewable power, including hydroelectricity, wind, landfill gas and solar – enough energy to power more than 1.6 million homes.

In 2009, Exelon will add close to 210 MW of solar, biomass and wind power purchase agreements to its portfolio of renewable energy.

Exelon Generation Renewable Energy Initiatives

Hydroelectric

- Exelon owns the **Conowingo Hydroelectric Generating Station** and the **Muddy Run Pumped Storage Facility**, which together produce nearly 1,600 MW of power.
    - Water flow from the Susquehanna River powers Conowingo's 11 turbine generators, which produce 570 MW – enough energy to power more than 400,000 homes.
    - Muddy Run pumps water into a reservoir during off-peak hours, and uses that water to generate electricity during peak demand hours. The facility produces over 1,000 MW.

Landfill Gas

- Exelon owns the **Fairless Hills Generating Station**, a two-unit, 60 MW landfill gas plant inside the USX Facility in Fairless Hills, Pa. This plant uses landfill gas from two local landfills as its primary fuel source.
- Exelon Power buys power from a Plymouth Township, Pa., solid waste facility that produces 24 MW.

Solar Energy

- Exelon has agreements to purchase approximately **4 MW of solar power** – the total output from two new solar facilities in Pennsylvania.
    - One facility, near Exelon's Fairless Hills plant, went online in November 2008.
    - The second site, to be built at the Philadelphia Navy Yard, will go online in 2009.

Wind Energy

Exelon is the largest wholesale marketer of wind energy east of the Mississippi.

- Exelon purchases and resells more than **350 MW of wind power** – enough electricity to power 100,000 homes – from wind farms in Illinois, Pennsylvania and West Virginia.

PECO's Renewable Energy Initiatives

- PECO offers wind power alternatives in Pennsylvania. **The PECO WIND[sm] program supplies 160,000 megawatt-hours** (MWh) annually to more than 38,000 customers for a premium and was named one of the top ten utility green power programs in the country.

- Half of PECO's sport-utility vehicle fleet is composed of hybrid vehicles, and **its entire fleet of diesel trucks has been converted to biodiesel** – a domestically produced, renewable fuel.

ComEd's Renewable Energy Initiatives

- ComEd has been purchasing **electricity produced from Illinois landfill gas** for more than 10 years.

- In conjunction with its franchise agreement with the City of Chicago, ComEd has committed $12 million to the purchase and installation of **photovoltaic power systems**.

- ComEd's fleet includes 1,774 trucks that use renewable biodiesel fuel. Counting its E85 (Ethanol) flex-fuel vehicles, **63 percent of ComEd's total fleet of cars and trucks are alternative-fuel vehicles**. ComEd's fleet of alternative-fuel vehicles is the seventh largest in the U.S., and the second largest among utility companies.

- In 2008, ComEd began using transformers filled with **renewable, biodegradable soybean oil** instead of commonly used petroleum-based mineral oil. The company plans to buy some 4,000 of the transformers annually, becoming the fourth-largest purchaser in the country.

- ComEd and the Illinois Clean Energy Community Trust have distributed more than $200,000 in grants to support the **installation of solar panels at 14 schools** and two non-profit community organizations in northern Illinois.

Community Education

Exelon opened the Renewable Energy Education Center at Fairless Hills, Pa., in October 2008. The center features a curriculum based on the Pennsylvania Board of Education's Environment and Ecology standards for students in the 4th through 8th grades. The center features interactive exhibits on wind and solar power, hydroelectricity, the use of landfill gas to create electricity, and energy conservation. The Fairless Hills Education Center was awarded LEED-silver certification by the U.S. Green Building Council.