

Shedding Light on a Green Future

The warm glow of Thomas Edison's electric bulb brought light where there was darkness to revolutionize life. Now, in a new century, a revolution in lighting could illuminate the path to a green, bright future.

Lighting accounts for nearly 20 percent of all the electricity used around the world. It is a key area where opportunities abound for improving efficiency to help win the fight against climate change and protect our planet.

Large amounts of energy can be saved right now by switching to efficient compact fluorescent lights (CFLs) in our homes. And more of us need to make the switch.

New advances in lighting offer further opportunities for energy savings. For example, light-emitting diodes (LEDs) are finding an increasing array of uses as the technology behind them improves – to put the sparkle in holiday season decorations, help us read the numbers on cell phones and see better the taillights in front of us on the road.

LEDs have a hefty purchase price, but are designed to use energy sparingly, last for years and save money over the long term. The U.S. Department of Energy estimates that as LEDs come into more widespread use, they could help reduce our nation's electricity consumption by 10 percent within two decades.

PSE&G is partnering with a number of our municipal and county customers on a test installation of LED lamps, as part of a larger effort to explore energy efficiencies for New Jersey's cities. The test will involve 24 LED lamps that will replace existing street lamps in Verona, Elizabeth, Trenton and Camden. During the next six to 12 months, the LED lamps will be evaluated for effectiveness and energy savings.

Induction fluorescents are another advanced technology that warrants a closer look for street lighting and other applications. PSE&G is also evaluating induction fluorescents as a replacement for mercury vapor street lights. Putting new technology to the test is important when the potential payoff includes things like brighter lights and better safety, at lower cost and with

less environmental impact.

The search for the next best thing in lighting is only one of many steps needed to promote energy efficiency. The more things each of us can do each day to save energy, the closer we'll be to a green, sustainable future for everyone.

What's your view? Please let us know at Opinion@PSEG.com



The search for the next best thing in lighting is needed.



PSEG

We make things work for you.