

# Three Steps to a Greener Future

There is no limit to the ways climate change can be tackled – anymore than there is a limit to human inventiveness. It is important that all areas of the economy contribute solutions if we are to reduce emissions of carbon dioxide and other greenhouse gases adequately to safeguard the health of our planet.

A carbon-reduction strategy for the energy sector must include three key steps:

- First, conservation and energy-efficiency improvements – quite simply using less energy – and using it more efficiently;
- Second, the development of renewable resources such as solar and wind power; and
- Third, new clean central-station power plants to replace older, dirtier, less-efficient plants. In New Jersey this means expanding and adding to nuclear power.

Conservation is the quickest and cheapest way to cut pollution levels. With existing technology, it's possible to achieve energy efficiency gains that would reduce carbon emissions by about 25 percent.

So far, relatively few people or businesses are taking advantage of opportunities to become more energy efficient. There must be a focus on new ways to help them do so. One answer is the development of new technology – for example, smart meters that

give consumers information to help them better understand and control their energy use – and help them save on their energy bills, too. Energy-efficient investments need to be encouraged and made available to all.

Renewable sources of energy need to be promoted as well. New Jersey has more solar installations than any other state except California. There is ample room to build on this success and look for ways to harness the wind and eventually the oceans for new supplies of power for our homes and businesses.

Yet even with conservation and expanded renewable energy, we will still need large power stations that can supply electricity with zero- or low-carbon emissions – and do so reliably around the clock and year and not just on sunny or windy days. Nuclear stations are the greenest option available to provide this power.

The fight against climate change is still in its earliest stages. By working together, we can make progress on our journey to a low-carbon, greener future – with New Jersey proudly leading the way.

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**PSEG**

*We make things work for you.*