

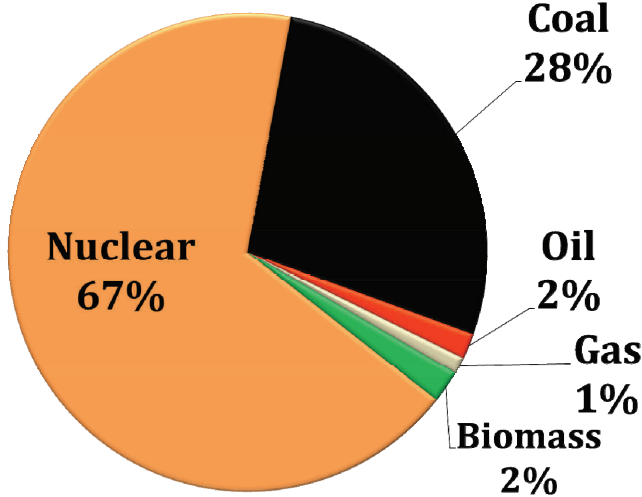
Special Report:

Energy Options in Hampton Roads

By Greg Grootendorst and James Clary

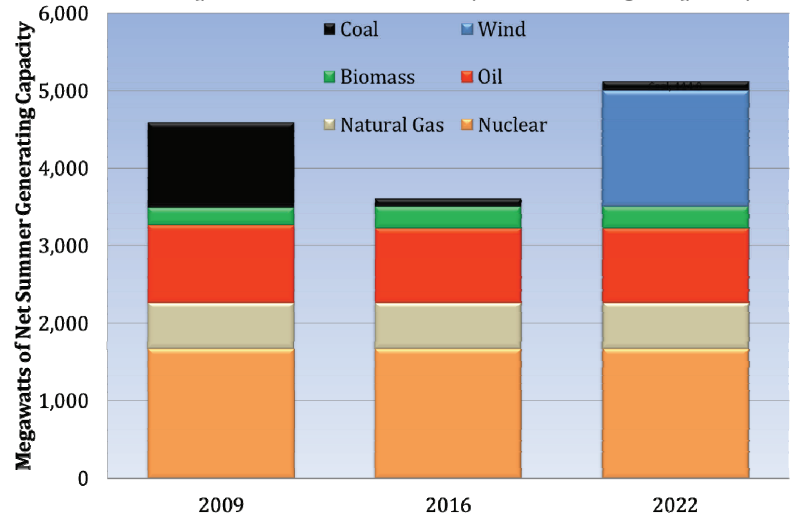


Hampton Roads Net Generation of Electricity



Sources: Energy Information Administration, HRPDC

Hampton Roads Electricity Generating Capacity



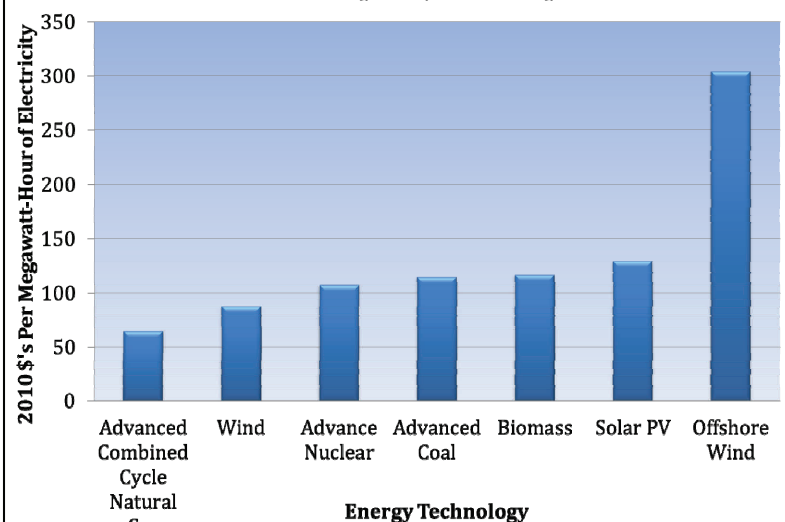
Sources: Energy Information Administration, HRPDC

Energy has been a focal point of discussion in Hampton Roads for the past several years, particularly on topics such as coal plants, green jobs, offshore wind, and offshore drilling. Much of the regional discussion has focused on the technology, viability, and employment opportunities in Hampton Roads as related to the energy industry. In an effort to address questions on the role of energy in the Hampton Roads economy, HRPDC staff has produced a report titled *“Hampton Roads Energy Options”*. This report seeks to review energy topics as they relate to Hampton Roads, evaluating potential obstacles and opportunities in developing the region’s energy industry.

There are three primary goals relating to energy policy. In order of relative importance these goals are: 1) Energy Surety—ensuring that energy is available on-demand 2) Low Energy Prices— keeping money in the pockets of consumers, and 3) Energy Jobs—capitalizing on employment opportunities in the energy industry. Given the significant Department of Defense resources in the region, Hampton Roads also has a goal of Energy Security—ensuring that defense installations have access to a robust energy supply. While much of the regional conversation on energy options is related to employment opportunities, any analysis of energy related employment opportunities must be evaluated within the context of energy surety and energy prices.

At present Hampton Roads imports approximately 18.2 percent of its electricity. Of the electricity generated in the region, the majority comes from nuclear (67%) and coal (28%), with oil, biomass and natural gas making up the remainder. As Hampton Roads considers its future energy path, it will be important to weigh the cost of new electric generating capacity, and how each energy option might help the region to achieve its energy goals. The Hampton Roads Energy Options report provides an in-depth analysis of energy technologies as they relate to the region as well as a list of policy recommendations for Hampton Roads. A copy of the full report is available on the HRPDC website at: http://www.hrpdcva.gov/Documents/Economics/2012/Hampton_Roads_Energy_Options.pdf

Levelized Cost of New Capacity in Hampton Roads (2017)



Sources: Energy Information Administration, HRPDC

This article is available for download at: http://www.hrpdcva.gov/Documents/Economics/2012/SR19_Energy_Options_in_Hampton_Roads.pdf