



REPOWER, REFUEL, AND REBUILD VIRGINIA



How the American Clean Energy and Security Act Affects Virginia

Comprehensive energy and climate legislation is vitally needed this year to deliver economic, energy and climate security. The ACES Act is an important first step toward ending America's dependence on fossil fuel and embarking on a path of renewed prosperity; powered by clean energy.

Virginia's Clean Energy Job Potential

Investing \$2.7 billion in clean energy and green infrastructure could create more than 56,000 new jobs in Virginia within two years (Center for American Progress). Energy efficiency improvements in Virginia alone could generate nearly 10,000 new jobs by 2025 (American Council for an Energy Efficient Economy, 2008).

Virginia's Clean Energy Potential

- Virginia has excellent biomass resource potential, good solar PV resources, and western Virginia has very good wind resources (Department of Energy, 2008);
- Virginia's offshore wind potential could meet 25% of the commonwealth's electricity demands (Virginia Coastal Energy Research Consortium); and
- Energy efficiency improvements in Virginia could generate a \$583 million net increase in wages and an \$882 million increase in Gross State Product (American Council for an Energy Efficient Economy, GSP).

Clean Energy Companies Already Working to Repower Virginia

- The 80 MW Pittsylvania Power Station in Hunt, Virginia, is one of the largest biomass facilities on the east coast. Every day, the plant powers 20,000 homes from 3,300 tons of wood waste.
- SkyBuilt Power, based in Arlington, Virginia, develops clean technology for power generation in remote areas. SkyBuilt is a pioneer in the field of developing mobile power stations that can be transported by train, ship or plane – making them ideal for applications in remote areas.
- Highland New Wind has obtained permitting to build Virginia's first industrial wind facility in Highland County. The site will generate 39 MW of renewable electricity.



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Consumer Savings in Virginia

- As a result of the energy efficiency provisions of the legislation, Virginia consumers will save \$750 per household annually by 2020, and \$3,900 per year beginning in 2030.
- By shifting away from fossil fuels to an economy based on clean, renewable energy we will save \$20 billion dollars annually beginning in 2030.