

# Renewables: Powering the Future

The seven-state Tennessee Valley region offers a prime location for renewable energy generation and related supply-chain opportunities. Companies engaged in this rapidly growing industry are well suited to take maximum advantage of the area's strengths.

## TVA provides competitive rates, world-class reliability, and expanding capacity

- Its generation mix consistently provides competitive industrial rates.
- The transmission system is in the top 10% of U.S. utilities for reliability: 99.999% every year since 2000.
- TVA serves as the transmission system reliability coordinator for neighboring utilities covering parts of 11 states.
- Browns Ferry Unit 1 was the first commercial reactor to go online in the U.S. this century; another unit is under construction at Watts Bar Nuclear Plant.

## TVA supports renewable energy production

- Its current portfolio includes wind, solar, and landfill methane generation, as well as biomass co-firing and dedicated biomass.
- TVA's Green Power Switch® program allows residential, commercial, and industrial customers to buy "blocks" of renewable generation.
- The GPS Generation Partners® program provides incentives for residential, commercial, or industrial renewable installations.
- TVA recently requested proposals to supply up to 2,000 MW of generation from renewable and clean energy sources.
- TVA's Environmental Policy forecasts that more than 50% of its power generation will come from zero- or low-carbon-emitting sources by 2020.

## The Tennessee Valley offers a renewables-friendly environment

- The renewables industry is growing rapidly across the Valley.
- Businesses benefit from aggressive state incentives in the seven-state TVA service area.
- The Oak Ridge National Laboratory is the largest multidisciplinary science and energy lab in the U.S.
- The Tennessee Solar Institute at UT and ORNL will focus on basic science and industry partnerships to improve the affordability and efficiency of solar products.
- The West Tennessee Solar Farm will be one of the largest installations in the Southeast, serving as a demonstration site for educational, research, and economic development initiatives.
- Business and personal taxation rates are low.
- There's an ample supply of well-educated workers from 83 four-year colleges and universities.
- Water resources are abundant to supply industrial needs.
- The American Recovery & Reinvestment Act includes \$42 billion to support renewables and clean energy.

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