



# Fact Sheet

## TVA Renewable Energy

Cost-effective renewable energy is an important part of TVA's balanced portfolio of generation sources, helping to meet TVA's vision of being one of the nation's leading suppliers of low-cost and cleaner energy by 2020.

### Overview

- TVA, working with local power companies, has developed sustainable programs that encourage renewable energy development across the Tennessee Valley without major rate impacts for our 9 million consumers.
- TVA defines renewable energy as solar, wind, biomass and hydroelectric generation.
- Although the price of renewable technologies is generally coming down, they still typically cost more than energy from traditional sources, such as conventional hydroelectric, nuclear, coal and natural gas.
- As the cost of renewable technologies decline, TVA is adjusting its programs so that power consumers pay less for cleaner energy.
- TVA will invest about \$398 million in FY 2013 on non-hydro renewable resources.

### Renewable Growth

- TVA currently has 6,416 megawatts of operational or committed renewable generation capacity, including TVA's 29 conventional hydroelectric dams.
- TVA has added 1,612 megawatts of renewable capacity since fall 2010 – more than a nuclear reactor.
- TVA remains on track with its Integrated Resource Plan target of adding 1,500 to 2,500 megawatts of cost-effective renewable generation by 2020.

### Renewable Strategy

- TVA is increasing its renewable energy portfolio, consistent with the IRP, by:
  - Continuing to improve its existing hydro assets.
  - Implementing an array of programs for homes, businesses and industry that are offered in partnership with TVA's customer base of 155 local power companies, including Green Power Switch, Green Power Providers and Renewable Standard Offer.
  - Contracting for long-term large renewable energy purchases, such as energy from wind farms located in the Midwest.

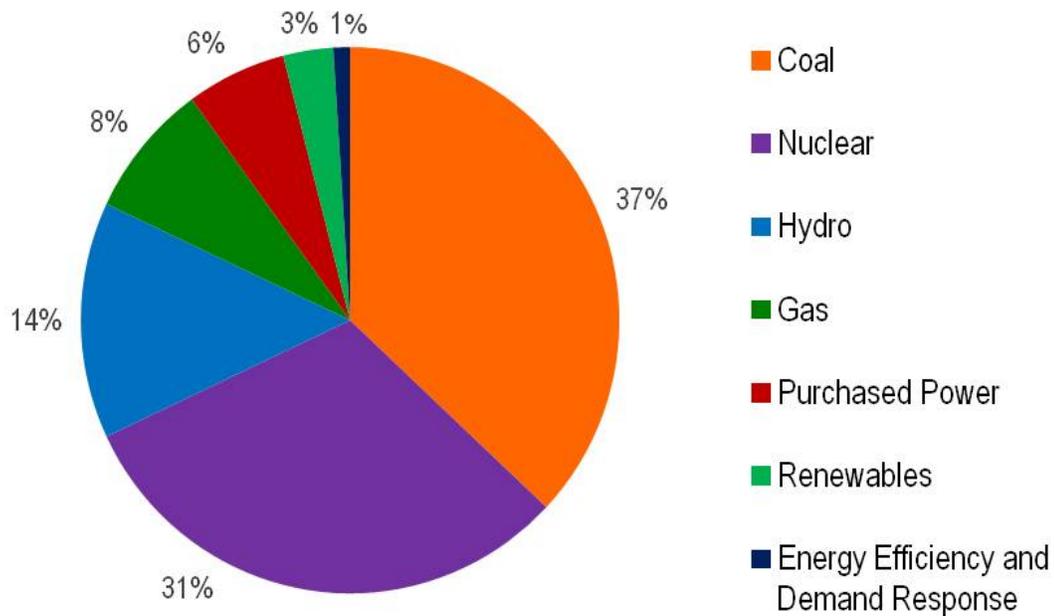


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## Renewable Portfolio

- TVA's renewable energy portfolio is made up of TVA-owned and purchased clean and renewable energy. TVA currently has 6,416 megawatts of operational or committed renewable generation capacity, including hydro.
  - TVA operates 4,659 MWs of conventional hydro generation, with 5 MWs more committed.
  - TVA receives 1,542 MWs of operational wind power, with 18 MWs more committed.
  - TVA operates or purchases 77 MWs of solar power, with 47 MWs more committed.
  - TVA operates or purchases 37 MWs of biomass, with 31 MWs more committed.

## 2013 GENERATION FISCAL YEAR-TO-DATE



Hydro and renewables include a portion of purchased power