



- February 03, 2011 -



## 29.61 kW grid-tie solar photovoltaic system

Project: Family Brands Top of Pole  
 Project Owner: **Family Brands International**  
 Project Designer/Installer: Efficient Energy of Tennessee, LLC, Powell, TN  
 Solar Panels: 126 Sharp NU-235F1 Panels  
 Inverters: 1 PV-Powered 30 kW inverter  
 Mounting: DP&W Solar top of pole mount racking system  
 System Commissioned: February 03, 2011

### Grant Information and incentives

- Recipient of USDA Rural Development Rural Energy for America Program. Grant amount is \$46,875
- Recipient of Tennessee Solar Institute Solar Installation Grant \$59,220.
- U.S. Department of Treasury Renewable Energy Grants \$56,250.
- TVA Generation Partners Program. \$1,000. Will generate approximately \$7,969 annual revenue.

### Power Production 37,067 kwh annually

Enough electricity for 3.36 average homes \* ([http://www.eia.doe.gov/ask/electricity\\_faqs.asp](http://www.eia.doe.gov/ask/electricity_faqs.asp))

### Carbon Offset

27.801 CO2 Annually • 139 trees to offset • 49,200 miles from an average/medium car

### Utility

Lenoir City Utilities Board, M. Shannon Littleton. General Manager, 200 Depot Street Lenoir City, TN 37771

### Reference

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### Links

**System Owner:** [www.fbico.com](http://www.fbico.com)  
**Solar PV installer:** [www.eetenn.com](http://www.eetenn.com)  
**Solar Advocates:** [www.gosolar.ning.com](http://www.gosolar.ning.com)

**TVA Generation Partners:**  
<http://www.tva.gov/greenpowerswitch/partners/index.htm>  
**Federal Grant (Energy):**  
<http://www.treasury.gov/initiatives/recovery/Pages/recovery-act.aspx>  
**USDA REAP grant:**  
[http://www.rurdev.usda.gov/BCP\\_ReapEaReda.html](http://www.rurdev.usda.gov/BCP_ReapEaReda.html)  
**Tennessee Solar Institute solar installation grant:**  
<http://solar.tennessee.edu>  
 \$62.5 million in American Recovery and Reinvestment Act of 2009 funding received by the Tennessee Department of Economic and Community Development.



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