

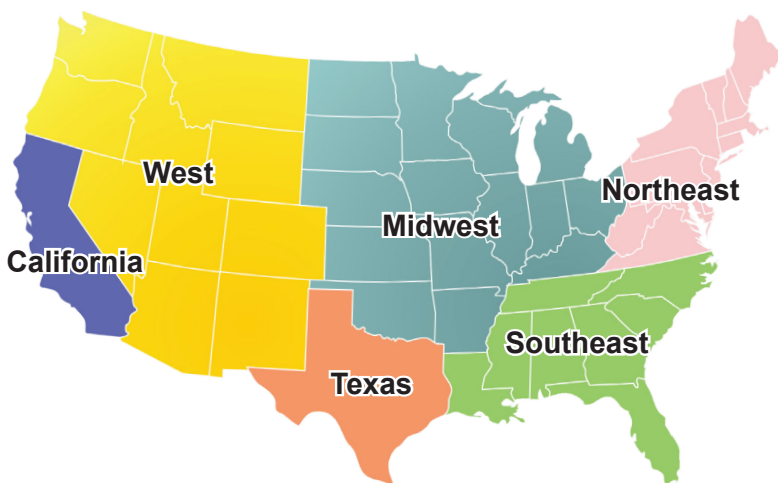


# Air Force Civil Engineer Center

## Blended Electric Rates for Air Force Renewable Energy Development

The Air Force is the Department of Defense leader in renewable energy investment. The Air Force Civil Engineer Center evaluates renewable energy (RE) ideas across the Air Force. The RE team at AFCEC continually evaluates renewable resources worldwide and implements projects where viable. AFCEC has implemented a very rigorous process to evaluate the viability of RE technologies and fields projects where they are of economic benefit. However, in many locations the economics do not support RE development, as power can be purchased from the local utility at a lower rate and/or lifecycle cost. Solar, wind, biomass and other RE technologies are not cost effective in many locations due to the high capital costs of renewable system components, the lack of supporting infrastructure and environmental restrictions limiting development.

To assist energy companies with determining where RE projects are potentially most cost effective, the Air Force has calculated general pricing figures, or blended rates, for electric purchases by regions of the country. Complete pricing analysis may require the addition of transmission/delivery, standby and/or departing load charges. In general, the Air Force blended rates for electric power purchases range from \$0.034/kWh to \$0.145/kWh, averaging \$0.068/kWh at Air Force installations across the lower 48 states. This information excludes Air National Guard installations. The table shows, by region, the electric power rates and average annual electricity use per installation.



**CONUS Air Force Installation FY14  
Electric Power Usage and Rates by Region\***

Region	Low \$/kWh	High \$/kWh	Average \$/kWh	Average Annual Base Usage MWh
Northeast	0.0475	0.1456	0.0970	77,785
Southeast	0.0501	0.0889	0.0706	124,087
Midwest	0.0348	0.0980	0.0516	102,975
Texas	0.0576	0.0772	0.0728	174,752
West	0.0423	0.0837	0.0656	96,742
California	0.0659	0.1247	0.0750	72,559
<b>CONUS</b>	<b>0.0348</b>	<b>0.1456</b>	<b>0.0678</b>	<b>109,075</b>

*\*Excludes Air National Guard & Alaska installations*

For more information concerning the Air Force Energy Program please visit:

<http://www.afcec.af.mil/energy>