

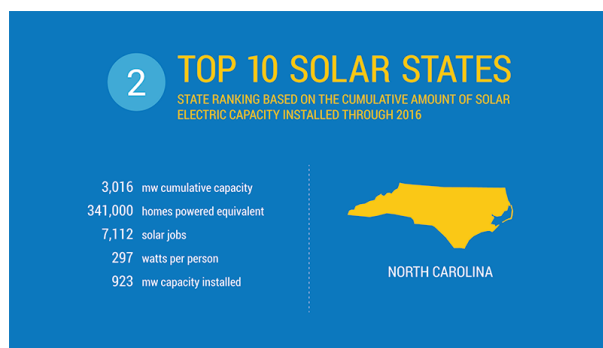


State Solar Policy

North Carolina Solar

North Carolina's solar industry is growing quickly thanks in part to the state's Renewable Energy and Energy Efficiency Portfolio Standard (REPS) that allowed clean energy companies to compete utilities and offer consumers choice in their energy supply.

Latest Infographic

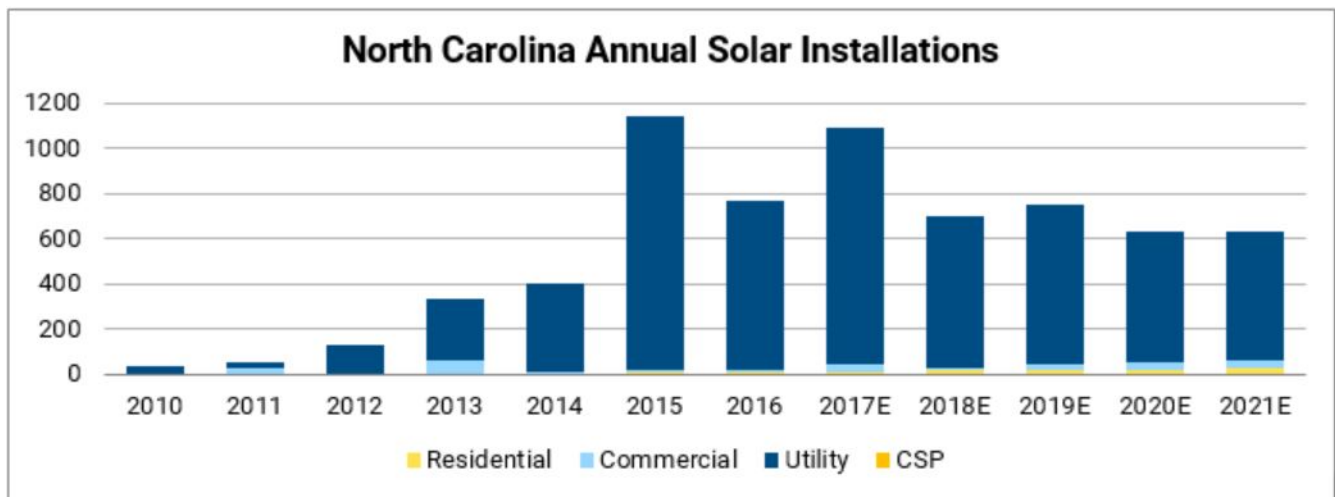


(<https://www.seia.org/research-resources/top-10-solar-states>)

Click here to download the fact sheet. (<https://www.seia.org/sites/default/files/2017%20Q1%20NC.pdf>)

Facts on the North Carolina Solar Industry

- **Solar Installed:** 3,287.5 MW (994.8 MW in 2016)¹
- **National Ranking:** 2nd (4th in 2016)
- **State Homes Powered by Solar:** 371,000
- **Percentage of State's Electricity from Solar:** 3.25%²
- **Solar Jobs and Ranking:** 7,112 (8th in 2016)³
- **Solar companies in State:** 248 companies total; 43 Manufacturers, 108 Installers/Developers, 90 Others⁴
- **Total Solar Investment in State:** \$5,236.10 million (\$1,174.86 million in 2016)
- **Price Declines:** 64% over last 5 years
- **Growth Projections and Ranking:** 3,653 MW over next 5 years (ranks 4th)



View more solar industry data (<https://www.seia.org/research-resources/solar-industry-data>).

Notable Installations in North Carolina

- **Conetoe II Solar LLC** was completed in 2015. This photovoltaic project has the capacity to generate **80 MW** of electricity -- enough to power over **9,030** North Carolina homes.⁵
- Several large retailers in North Carolina have gone solar including **Apple, IKEA** and **SAS**. **Apple** has installed one of the largest such installations with **25 MW** of solar capacity at their location in Maiden.⁶
- At **4 MW**, **Carol Jean Solar** in Walnut Cove is among the largest solar installations in North Carolina. This project has enough electric capacity to power more than **451** homes.⁷

See our solar installation maps (https://www.seia.org/research-resources/resource-library?f%5B0%5D=field_resource_type%3AMap).

Solar Companies in North Carolina

Key:  Manufacturer  Installer  Other

Don't see your company listed? Complete our National Solar Database Survey! (<https://www.seia.org/research-resources/national-solar-database>)

North Carolina State Solar Policy Resources

North Carolina Energy Division (<http://www.energync.net/>) - Find a wide variety of information on state government energy programs, policy, projects, energy-saving strategies and energy-related statistics

North Carolina Utilities Commission (<http://www.ncuc.commerce.state.nc.us/index.htm>) – Learn about the governing body that regulates the electricity rates and services of North Carolina public utilities

North Carolina General Assembly (<http://www.ncleg.net/>) – Track pending legislation affecting solar energy, locate and contact individual legislators, and stay up to date on current legislative issues in North Carolina

NC Sustainable Energy Association (<http://energync.org/>) - Learn about ways you can advocate for clean energy in North Carolina

DSIRE Incentives Database - North Carolina (<http://programs.dsireusa.org/system/program?state=NC>) – Search a public clearinghouse for specific solar energy incentives in North Carolina and across the United States

U.S. Energy Information Administration - North Carolina State Profile (<http://www.eia.gov/state/?sid=NC>) – Explore official energy statistics, including data on electricity supply and demand, from the U.S. government

EnergySage Solar Data Explorer – North Carolina (<https://www.energysage.com/solar-panels/nc/?rc=seia>) – Review the costs and benefits of installing solar panels in North Carolina, based on real price data from solar quotes.

¹All data from SEIA/GTM Research U.S. Solar Market Insight unless otherwise noted:

<http://www.seia.org/research-resources/us-solar-market-insight> (<http://www.seia.org/research-resources/us-solar-market-insight>)

²Energy Information Administration, Electric Power Monthly: <http://www.eia.gov/electricity/monthly/#generation> (<http://www.eia.gov/electricity/monthly/#generation>)

³The Solar Foundation, State Solar Jobs Census: <http://www.thesolarfoundation.org/solar-jobs-census/states/> (<http://www.thesolarfoundation.org/solar-jobs-census/states/>)

⁴SEIA, National Solar Database: <http://www.seia.org/research-resources/national-solar-database> (<http://www.seia.org/research-resources/national-solar-database>)

⁵SEIA, Major Solar Projects List: <http://www.seia.org/research-resources/major-solar-projects-list> (<http://www.seia.org/research-resources/major-solar-projects-list>)

⁶Ibid

⁷SEIA, Solar Means Business: <http://www.seia.org/campaign/solar-means-business-2016> (<http://www.seia.org/campaign/solar-means-business-2016>)

Topics Tags

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