North Carolina

Key Figures

- **Total Solar Installed**: 7,460.23 MW (786.19 MW in 2020)
- **National Ranking**: 4th (Ranks 5th in 2020)
- **Solar Jobs¹**: 6,107 (Ranks 11th in 2020)
- **Growth Projection**: 2,400.25 MW over the next 5 years (Ranks 16th)

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- **Enough solar installed to power**: 959,264 homes
- **Percentage of state’s electricity from solar**: 8.05%
- **Price decline over the last five years**: 11%

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**There are 226 solar companies operating in North Carolina.**³

- **39 Manufacturers**
- **92 Installers/Developers**
- **95 Others**

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**The solar industry has invested $10,075.65 million in North Carolina, including $808.18 million in 2020**

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*Note: Figures as of December 14, 2021.*
More information about solar energy in North Carolina

- Innovative Solar 37 has the capacity to generate 80.0 MW of electricity -- enough to power over 9,141 North Carolina homes.
- Apple is one of the first major corporations to go solar in North Carolina with its 25 MW project in Maiden.
- At 27 MW, Monroe Solar Facility is among the largest solar installations in North Carolina. Completed in 2017 by Duke Energy Carolinas, this photovoltaic project has enough electric capacity to power more than 3,119 homes.

References

All data from SEIA/Wood Mackenzie Power & Renewables, Solar Market Insight© unless otherwise noted: https://www.seia.org/smi


2 Energy Information Administration, Electric Power Monthly: https://www.eia.gov/electricity/monthly/#generation

3 SEIA, National Solar Database: https://www.seia.org/research-resources/national-solar-database


The Solar Energy Industries Association® (SEIA) is leading the transformation to a clean energy economy, creating the framework for solar to achieve 20% of U.S. electricity generation by 2030. SEIA works with its 1,000 member companies and other strategic partners to fight for policies that create jobs in every community and shape fair market rules that promote competition and the growth of reliable, low-cost solar power. Founded in 1974, SEIA is the national trade association for the solar and solar + storage industries, building a comprehensive vision for the Solar+ Decade through research, education and advocacy.