South Carolina Generation and Capacity Mix
South Carolina Generation and Capacity Mix - Actuals
2015 - 2018
2015: Generation and Capacity Mix (Actual)

The following charts depict South Carolina's generation and capacity mix in 2015 based on in-state resources as well as South Carolina's pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2015 data.
2016: Generation and Capacity Mix (Actual)

The following charts depict South Carolina’s generation and capacity mix in 2016 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2016 data.
2017: Generation and Capacity Mix (Actual)

The following charts depict South Carolina’s generation and capacity mix in 2017 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2017 data.
2018: Generation and Capacity Mix (Actual)

The following charts depict South Carolina’s generation and capacity mix in 2018 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2018 data.
South Carolina Generation and Capacity Mix - Projections
2015 and 2019
2015 Outlook: Projected Generation Mix

The following charts depict South Carolina’s projected generation mix in 2020 and 2025 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2015 outlook data.

2020 Generation Mix

- Nuclear: 61.4%
- Coal: 16.1%
- Natural Gas - Boiler and CC: 15.5%
- Biomass: 1.5%
- Pumped Storage: 2.4%
- Solar: 0.4%
- Hydro: 1.3%
- CT - Natural Gas and Oil: 1.7%
- Renewables (5.7%)

2020 Generation Pro Rata Share

- Nuclear: 42.0%
- Coal: 29.2%
- Natural Gas - Boiler and CC: 20.0%
- Biomass: 1.5%
- Pumped Storage: 1.2%
- Solar: 2.2%
- Hydro: 2.0%
- Renewables (5.7%)

2025 Generation Mix

- Nuclear: 65.2%
- Coal: 15.2%
- Natural Gas - Boiler and CC: 13.7%
- Biomass: 1.4%
- Pumped Storage: 1.8%
- Solar: 0.4%
- Hydro: 1.3%
- CT - Natural Gas and Oil: 1.4%
- Renewables (2.7%)

2025 Generation Pro Rata Share

- Nuclear: 44.7%
- Coal: 28.6%
- Natural Gas - Boiler and CC: 18.9%
- Biomass: 1.3%
- Pumped Storage: 1.0%
- Solar: 2.3%
- Hydro: 2.1%
- Renewables (5.7%)
2015 Outlook: Projected Capacity Mix

The following charts depict South Carolina’s projected capacity mix in 2020 and 2025 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2015 outlook data.
2019 Outlook: Projected Generation Mix

The following charts depict South Carolina’s projected generation mix in 2020, 2025, and 2030 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2019 outlook data.
2030 GENERATION MIX
South Carolina Plants

- 51.2% Nuclear
- 18.7% Coal
- 19.6% Natural Gas - Boiler and CC
- 3.3% CT - Natural Gas and Oil
- 1.6% Hydro
- 2.1% Solar
- 0.4% Biomass
- 3.0% Pumped Storage

2030 GENERATION PRO RATA SHARE
South Carolina

- 31.9% Nuclear
- 4.5% Solar
- 2.3% Hydro
- 4.4% CT - Natural Gas and Oil
- 28.3% Natural Gas - Boiler and CC
- 26.8% Coal
- Renewables (7.3%)

- Renewables (4.1%)
2019 Outlook: Projected Capacity Mix

The following charts depict South Carolina’s projected capacity mix in 2020, 2025, and 2030 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2019 outlook data.
2030 SUMMER CAPACITY
South Carolina Plants

- 27.2% Nuclear
- 21.6% Coal
- 5.8% Solar
- 1.9% Biomass
- 3.9% Hydro
- 8.0% CT - Natural Gas and Oil
- 19.3% Natural Gas - Boiler and CC
- 12.3% Pumped Storage

2030 SUMMER CAPACITY
South Carolina

- 32.7% Coal
- 6.6% Solar
- 6.2% Hydro
- 5.7% Pumped Storage
- 10.2% CT - Natural Gas and Oil
- 22.6% Natural Gas - Boiler and CC
- 13.9% Nuclear
- Renewables (11.6%)
- Renewables (14.9%)
South Carolina Generation and Capacity Mix - Projections
2015 vs 2019
2015 vs 2019
Outlook: Projected Generation Mix

The following charts depict South Carolina’s projected generation mix in 2020 and 2025 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2015 and 2019 outlook data.
2015 vs 2019 Outlook: Projected Capacity Mix

The following charts depict South Carolina’s projected capacity mix in 2020 and 2025 based on in-state resources as well as South Carolina’s pro-rata share of generating resources that it shares with North Carolina. These charts are based on 2015 and 2019 outlook data.