

| Category - Residential | Rebate - Low Income (under 80% AMI) | Rebate - moderate income (80 to 150% AMI) | Rebate (everyone) | Tax credit (low income up to 80% AMI) | Tax credit (moderate income 80 to 150% AMI) | Tax credit (Everyone) | Notes | | | | | | |
|---|-------------------------------------|---|-------------------|---------------------------------------|---|-----------------------|---|--------|--------|--------|--------|--|--|
| EV purchases - new | | | 7500 | | | | | | | | | | |
| EV purchases - used | | | 4000 | | | | | | | | | | |
| Rooftop solar panels | | | | | | 30% | 2024 solar panel installation cost in South Carolina is \$2,736/kW | | | | | | |
| Battery storage | | | | | | 30% | | | | | | | |
| EV charger | | | | | | 330 | Assume half of households get an EV charger Only available in low-income census tracts (poverty rate >20%, median family income is less than 80% of MSA median family income) Assume average level 2 charger cost is \$1100 | | | | | | |
| Space Heat Pump | 100% | 50% | | | | 30% | | | | | | | |
| Hot water heat pump | 100% | 50% | | | | 30% | | | | | | | |
| Electrical panel upgrade (in conjunction with rooftop solar) | 100% | 50% | | | | 30% | | | | | | | |
| Electrical panel upgrade (in conjunction with heat pump) | 100% | 50% | | | | 30% | | | | | | | |
| Weatherization/retrofits - rebates | 100% | 50% | | | | | | | | | | | |
| Weatherization/retrofits - tax credits | | | | | | 3,200 | Only covers purchase costs, not installation costs, for insulation, air sealing, doors and windows upgrades, and energy audits | | | | | | |
| New residential | | | | | | 5000 | | | | | | | |
| Existing non-residential | | | | | | 1.88 | | | | | | | |
| New non-residential | | | | | | 1.88 | | | | | | | |
| Existing residential | 14000 | 7000 | | | | | | | | | | | |
| Early Adopter (Commercial buildings) | | | | | | 0.85 | From Dept of Commerce, assume 25% early compliance for each tier. Has to be met by compliance date | | | | | | |
| Charleston Stats | | | | | | | | | | | | | |
| # of census tracts meeting EV charger definition 22 out of 99 (22%); Table ID: S170 | 0.22 | | | | | | | | | | | | |
| 80% AMI for average household size (2.18 people) - see link, select Charleston-North Charleston SC MSA | \$62,200 | | | | | | | | | | | | |
| Median Family Income (half of households make more than this, half make less) - see link, select Charleston-North Charleston SC MSA | \$101,300 | | | | | | | | | | | | |
| 150% AMI for average household size | \$151,950 | | | | | | | | | | | | |
| Percentage of households that are 80% AMI or less - Table B19001 - added up all households with < \$59,000 (< 80% AMI) | 0.38 | | | | | | | | | | | | |
| Percentage of households that are 80-150% AMI - Table B19001- from \$60,000 (80% AMI) to \$150,000 (150% AMI) | 0.46 | | | | | | | | | | | | |
| Percentage of households that are > \$150,000 (> 150% AMI) | 0.16 | | | | | | | | | | | | |
| LOW CARBON SCENARIO | | | | | | | | | | | | | |
| # EVs | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | | |
| # EVs | 728 | 768 | 2,349 | 5,625 | 10,188 | 14,179 | 16,113 | 16,649 | 17,272 | 18,249 | 19,595 | | |
| # plug in hybrids | 240 | 270 | 252 | 450 | 526 | 467 | 324 | 177 | 78 | 26 | 4 | | |

