

RANK

87/100



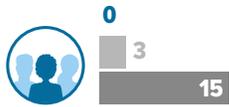
OVERALL SCORE

9.5/100

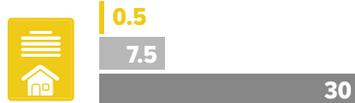
## RECOMMENDATIONS

- Adopt location-efficient zoning codes that apply to the entire city.
- Employ equitable community engagement practices in planning clean energy initiatives.
- Set and track community-wide goals for GHG emissions.
- Adopt policies and programs targeting energy efficiency in existing buildings, such as retrocommissioning and audit requirements and incentives, particularly targeting low-income housing.
- Contribute to the development of a clean energy workforce.
- Create a sustainable transportation plan.
- Expand high-quality transit access for low-income residents.

## COMMUNITY-WIDE INITIATIVES



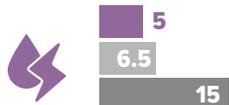
## BUILDINGS POLICIES



## TRANSPORTATION POLICIES



## ENERGY AND WATER UTILITIES



## LOCAL GOVERNMENT OPERATIONS

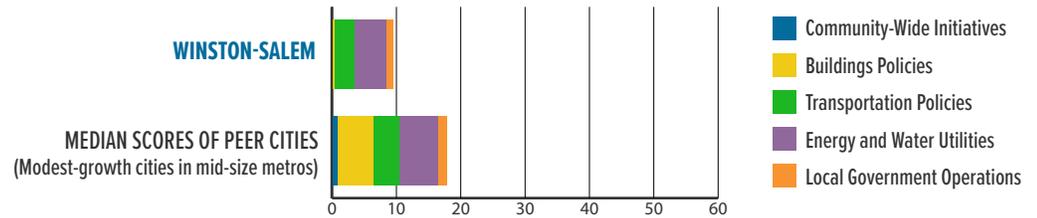


## 2021 CITY CLEAN ENERGY SCORECARD

## WINSTON-SALEM, NC

While Winston-Salem has some achievements, the city has few clean energy policies and substantial room for improvement across all categories, particularly in community-wide initiatives and buildings policies. The city moved down in the rankings from the previous *Scorecard*. It can pursue foundational clean energy policies that could serve as stepping-stones to a clean energy future.

## HOW DOES WINSTON-SALEM STACK UP TO PEER CITIES?



## COMMUNITY-WIDE INITIATIVES (0 OF 15 POINTS)

Winston-Salem has few community-wide initiatives aimed at reducing GHG emissions. To inspire future clean energy efforts, it can adopt citywide climate and energy goals, take an equity-driven approach to clean energy planning, and adopt a formal policy, rule, or agreement that supports the creation of community solar and the integration of emissions-reducing technology in distributed energy systems within the community.

## BUILDINGS POLICIES (0.5 OF 30 POINTS)

The city has few initiatives to reduce GHG emissions and energy use in the buildings sector. North Carolina requires local jurisdictions to enforce the 2018 North Carolina Energy Conservation Codes for residential and commercial buildings, which are less stringent than the 2018 International Energy Conservation Code. We could not find information on whether the city has adopted solar ordinances or policies requiring buildings to include EV charging infrastructure or be EV ready. Winston-Salem does not have programs committed to developing a dedicated energy efficiency or renewable energy workforce. The city does not have policies that incentivize or require energy efficiency in existing buildings.

## TRANSPORTATION POLICIES (3 OF 30 POINTS)

Of low-income households in Winston-Salem, 0% have access to high-quality transit. With only 7.7 per 100,000 people, the city has a very low number of EV charging station ports available for public use. Winston-Salem has neither a sustainable freight transportation plan in place nor any policies that address freight efficiency, nor has it codified VMT or transportation-related GHG reduction targets. Transportation entities that serve Winston-Salem have received roughly \$44.52 per capita on average in local transit funding annually between 2015 and 2019, a very low funding level.

## ENERGY AND WATER UTILITIES (5 OF 15 POINTS)

Compared to other utilities, Duke Energy Carolinas shows moderate savings as a percentage of sales for electric efficiency programs while Piedmont Natural Gas did not report spending or savings on natural gas efficiency programs in 2019. Duke Energy Carolinas offers a portfolio of low-income programs that includes a comprehensive program. Neither utility offers a comprehensive multifamily energy efficiency program. Winston-Salem does not provide community-wide energy use information at the aggregate level for community planning and evaluation purposes; however, it has requested this data from the utilities. The city does not advocate for better ratepayer access to utility data or the establishment of data-sharing agreements between the city and its utilities. Duke Energy set a moderate goal to achieve net-zero emissions by 2050.

## LOCAL GOVERNMENT OPERATIONS (1 OF 10 POINTS)

Winston-Salem has converted all streetlights to LEDs and established energy reduction and clean energy goals for local government operations. We were unable to find information indicating that the city has an efficient fleet procurement or outdoor lighting policy. Winston-Salem has not installed renewable energy systems on municipal facilities, established inclusive procurement policies, or developed a comprehensive retrofit strategy.