



Renewable energy storage washington d c

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The Climate Commitment Act of 2022 codified and accelerated the District's climate commitments, to citywide carbon neutrality by 2045 with a first interim target of a 45% reduction from the 2006 baseline by 2025. Based on ACEEE's analysis of past years emissions data, ACEEE projects that the city will not meet its near-term community-wide GHG emissions reduction goal.

The District's Department of Energy & Environment releases greenhouse gas inventories.

The Sustainable DC plan included a goal to cut citywide energy use 50% by 2032. The plan included an additional goal to meet net-zero energy standards with all new developments.

The District's Clean Energy DC Omnibus Act established a renewable portfolio standard of 100% renewable by 2032, including a 5.5% local solar carve-out. In March 2023, the Local Solar Expansion Amendment Act of 2022 was enacted, increasing the targets to a 9% local solar carve-out by 2032 as part of the 100% RPS. The share of local solar will also increase, to 15% by 2041.

Equity-Driven Community Engagement

The Sustainable DC plan updating process included speaking to residents that represented the diversity of the city. To make the process most convenient for residents of underserved communities, the city partnered with community organizations to help recruit new participants, held meetings in familiar Metro-accessible venues for communities, and restructured meeting formats to be more casual and accessible. The city also focused community engagement in locations that have been underserved in the past.

Equity-Driven Decision-Making

In partnership with the Georgetown Climate Center, the Department of Energy & Environment created the Equity Advisory Group. The Group consisted of residents and community leaders of Far Northeast Ward 7, where a climate vulnerability analysis showed the community has been uniquely vulnerable to climate-risks due to its proximity to the Watts Branch Tributary of the Anacostia River. The Group was tasked with developing recommendation to be incorporated into the District's Climate Ready DC Plan and Clean Energy DC Plan. The partnership published a community engagement guide. Work is now underway to focus on developing resilience hubs and workforce development initiatives based on the advisory group's recommendations.

Equity Accountability Measures



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The District Department of Energy and Environment (DOEE) is developing a racial equity tool in the implementation and future update of the District's Sustainable DC plan.

The District's Solar for All program aims to expand access to solar power to low-income residents. The program partners with organizations to install on-site solar on single-family homes and community solar projects. For residents to be eligible for participation, household income must be less than 80% of the area median income. A 1 MW installation pursued by the Department of General Services to serve low-income households integrates energy storage.

The community solar farm at Oxon Run is an innovative use of a degraded 15 acre brownfield site. A total of 2.65 megawatts of clean, solar energy capacity was brought online in December 2020. The system delivers free electricity (offsetting \$500 annually) to approximately 750 households in the surrounding community. As of February 2021, the facility is the largest community solar system in the District.

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