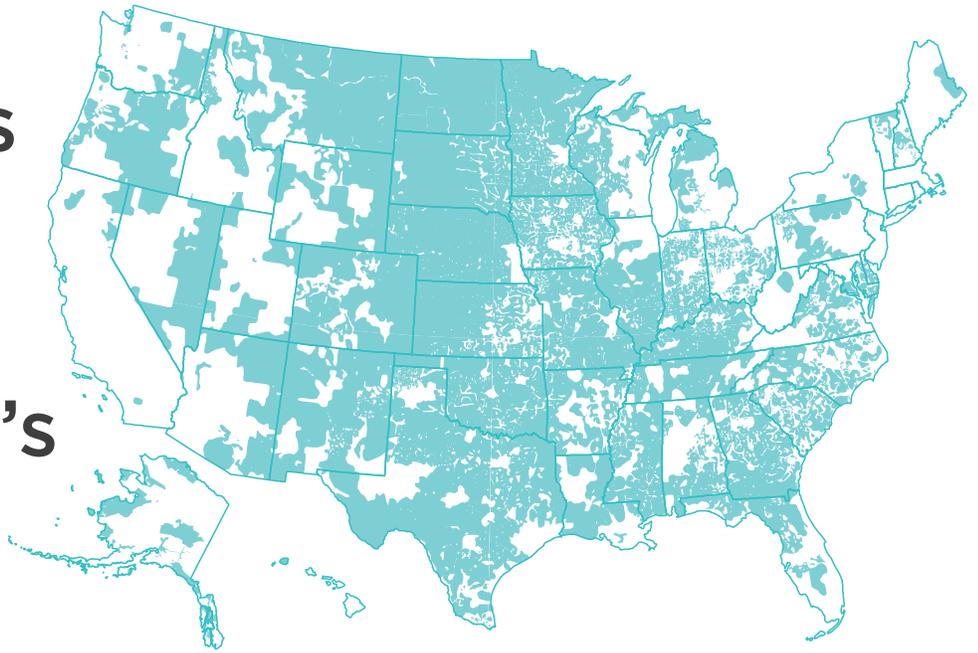


America's Electric Cooperatives

From booming suburbs to remote rural communities, America's electric cooperatives are energy providers and engines of economic development. Electric cooperatives play a vital role in transforming communities.

Cooperatives power
56%
of the nation's
landmass.



Our co-ops serve
42 million people,
including **92% of persistent
poverty counties**.

Power over
21 million
businesses, homes,
schools and farms
in **48 states**.

Returned more than
\$1.5 billion
in capital credits **to their
consumer-members** in 2020.



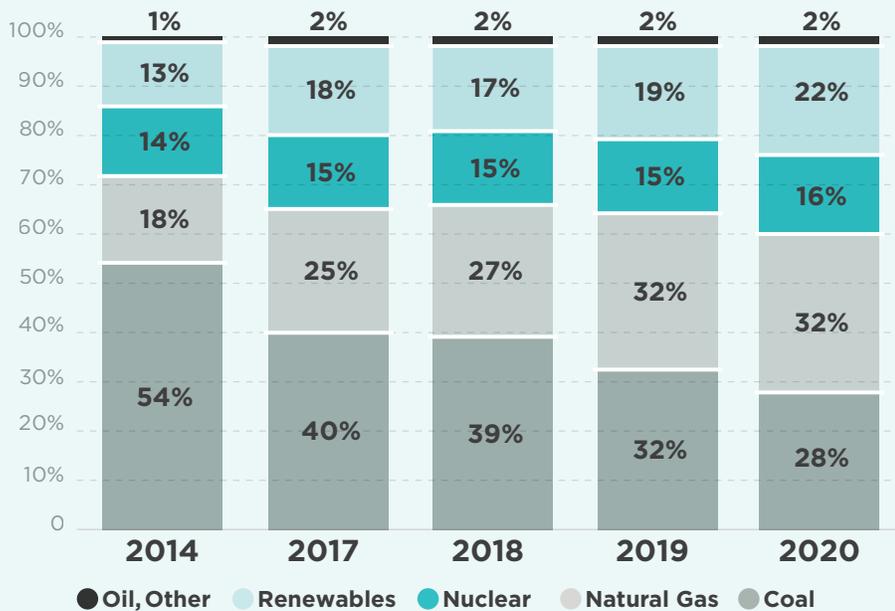
831
distribution cooperatives
are the foundation of the electric cooperative network. They were built by and serve co-op members in the community with the delivery of electricity and other services.



63
generation & transmission cooperatives
provide wholesale power to distribution co-ops through their own electric generation facilities or by purchasing power on behalf of the distribution members.

ELECTRICITY USE AND ENERGY MIX

Co-op Retail Fuel Mix



Co-ops rely on a diverse energy mix to ensure a reliable, affordable and responsible electricity supply that meets the needs of their consumer-members.

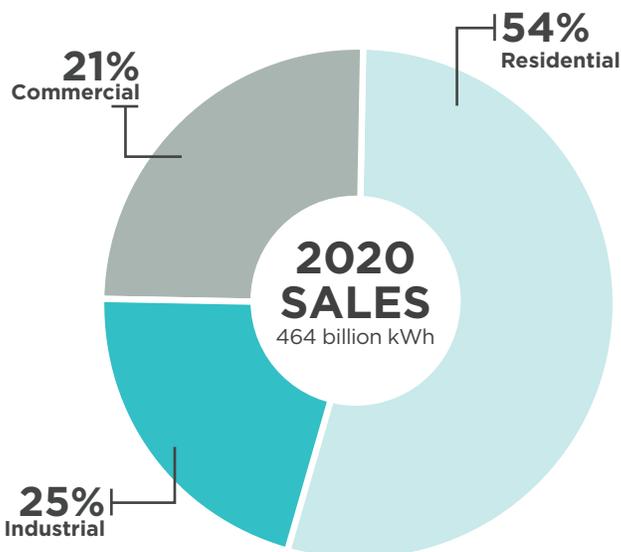
More than two-thirds of the electricity delivered by co-ops to members comes from low- or zero-carbon sources.

Note: Renewables include owned and directly purchased electric generation, plus generation in the mix from wholesale market purchases and do not reflect renewable tax credits.

Source: NRECA analysis

Keeping Rates Affordable for Residential Consumer-Members

Unlike the rest of the electric sector, electric co-ops sell the majority of their power to households rather than businesses. Keeping rates affordable is especially important for these consumer-members at the end of the line.



Source: EIA (excludes sales for resale)

Leveraging Infrastructure Funds to Support Rural Communities

Electric co-ops have decades of experience supporting local communities by accessing public and private funding. Today, co-ops are positioning themselves to leverage new infrastructure funds to support their communities. These efforts include work to:

- Advance **electric vehicle** charging networks.
- Deploy new **cybersecurity** tools.
- Expand rural **broadband** access.
- Develop rural **microgrids**.
- Promote **clean energy** research, development and deployment.
- Enhance **grid resiliency** and modernization efforts.



CO-OPS ARE REDUCING EMISSIONS

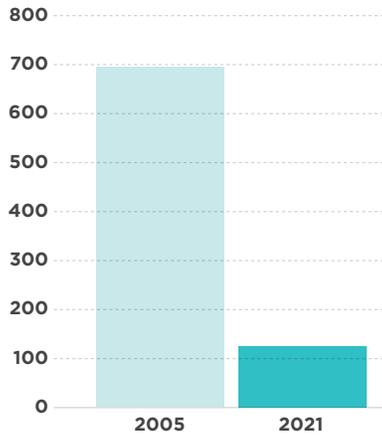
Cleaner Air

Cooperatives are meeting member expectations by reducing emissions through a combination of emission-reduction measures and fuel switching to natural gas and renewables.

Reduced **sulphur dioxide** emissions 82% from 2005-2021.

TOTAL SO₂ EMISSIONS

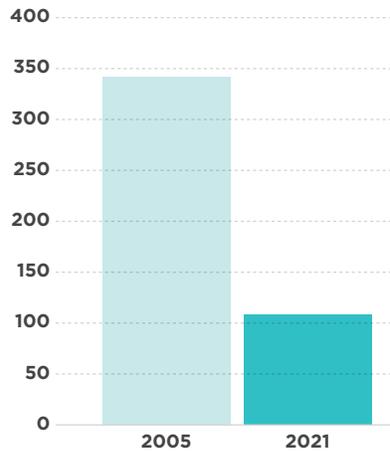
Thousands
(short tons)



Reduced **nitrogen oxide** emissions 68% from 2005-2021.

TOTAL NO_x EMISSIONS

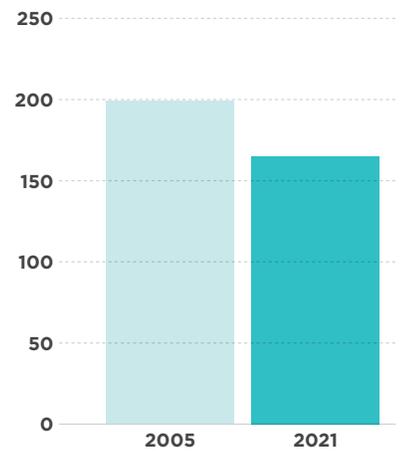
Thousands
(short tons)



Reduced **carbon dioxide** emissions 17% from 2005-2021.

TOTAL CO₂ EMISSIONS

Millions
(short tons)

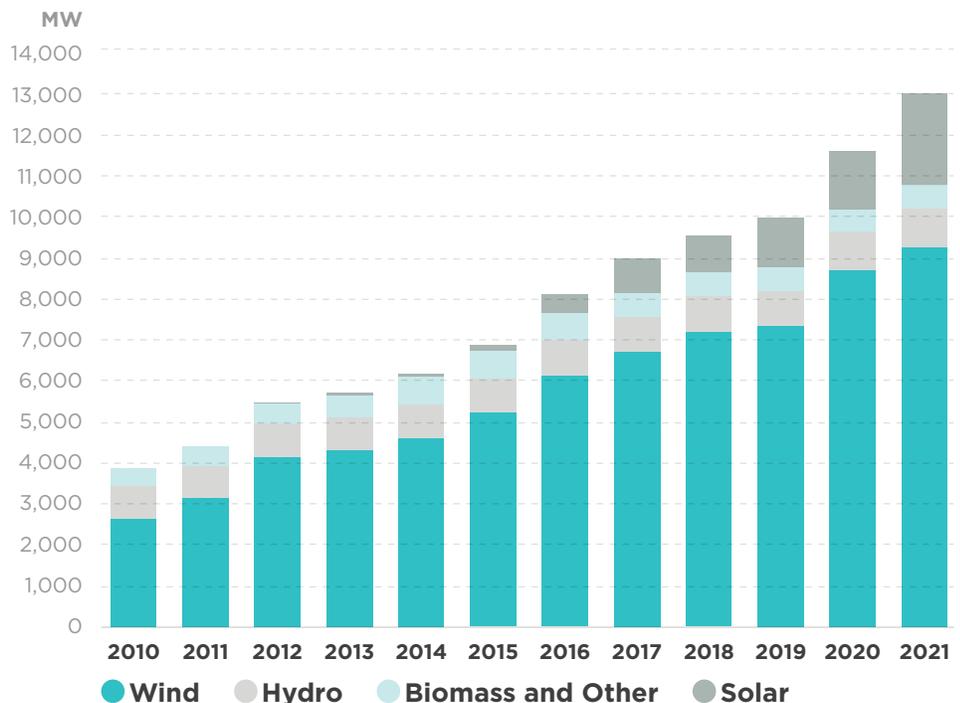


Source: NRECA analysis of EPA data

Renewable Energy Growth

- From 2010 to 2021, co-ops more than tripled their renewable capacity from 3.9 gigawatts to more than 13 gigawatts.
- Co-ops added nearly 1.4 GW of new renewable capacity in 2021, second only to 2020.
- Electric co-op wind and solar capacity is enough to power more than 3 million homes.
- Co-ops have announced more than 7 GW of renewable capacity additions through 2026.
- Co-ops purchase 10 GW of hydropower from federal dams and the Tennessee Valley Authority.

Cumulative Co-op Renewable Capacity, Owned and Under Contract



Note: Does not include federal hydro
Source: NRECA analysis

ELECTRIC CO-OPS ARE INNOVATION HUBS

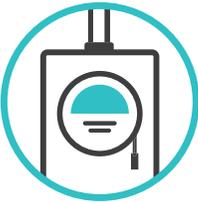
Meeting Tomorrow's Energy Needs by Investing in the Future of Communities



BROADBAND: More than 250 co-ops are developing or planning to deploy broadband service to their members, giving them access to telehealth services, online learning, remote work and new possibilities for local businesses.



ENERGY STORAGE: Cooperatives have developed more than 65 energy storage projects, ranging from residential batteries to large utility-scale projects paired with renewable generation. Storage is an important element of microgrids, including on military installations.



SMART METERS: Electric cooperatives lead the industry in smart meter deployment, with a 78% use of AMI meters, compared to 63% for the rest of the industry.



CARBON CAPTURE: Electric cooperatives are partners in innovative carbon capture technology research projects.

THE COOPERATIVE DIFFERENCE

Electric co-ops are local energy and technology partners.

- Electric cooperatives are built by and belong to the communities they serve. They are led by members from the community and are uniquely suited to meet local needs.
- This local, member-driven structure is one reason why cooperatives enjoy the highest consumer-satisfaction scores within the electric industry, according to J.D. Power and Associates and the American Customer Satisfaction Index.

Source: NRECA

- Co-ops earned the highest average score and secured 14 of the 20 top spots in the 2021 J.D. Power Electric Utility Residential Customer Satisfaction Study.
- Electric cooperatives, on average, score higher than for-profit utilities, according to the American Customer Satisfaction Index, Energy Utilities Study, 2021-2022.