



CPRG Implementation Grants Competition

Cover Page for Application

EPA-R-OAR-CPRGI-23-07

Applicant Information

Applicant Organization: Prairie Island Indian Community (PIIC)

Primary Contact: Andrea Zimmerman, 5636 Sturgeon Lake Road, Welch, MN 55089
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Type of Application: Individual application

Funding Requested: \$ 11,450,747

Application Title: PIIC Carbon Reduction Initiatives (CRI)

Brief Description of GHG Measures:

The Prairie Island Indian Community (PIIC) is seeking \$11,450,747 in funding to implement up to 9 strategic carbon reduction initiatives (CRIs) aimed at reducing greenhouse gas emissions, enhancing energy efficiency, and adopting sustainable practices across the community. This comprehensive initiative encompasses electrification of critical infrastructure, retrofitting buildings with energy-efficient technologies, and transitioning to clean transportation options.

The electrification efforts will replace outdated fossil fuel-based systems with clean electric solutions, leveraging ground-source heating and cooling and hybrid/electric transportation to significantly reduce carbon emissions and reduce operational costs. Energy efficiency improvements include a focus on upgrading lighting across community buildings to LED, which promises substantial energy savings and improved environmental conditions. Additionally, the initiative includes the replacement of inefficient windows and HVAC systems, further contributing to energy conservation and enhancing occupant comfort.

A portion of the funding will also support the replacement of tribal public safety vehicles with hybrid/electric models, marking a significant step towards sustainable community operations. Furthermore, upgrades to the community center kitchen and investment in workforce development are designed to bolster community member sustainable practices, empower tribal cultural identity and expression, and build new community skills and knowledge.

This proposal builds on PIIC's foundation of previous carbon-reducing work performed over the past several years and solid track record of successfully meeting reporting requirements under federal agreements for decades, having consistently submitted acceptable interim and/or final reports. PIIC has demonstrated its ability to adequately and timely report on progress towards achieving expected outputs and outcomes, ensuring transparency and accountability in its endeavors towards environmental sustainability.

Sectors: Electric power; Commercial and residential buildings; Renewable energy; Energy efficiency; and Transportation.

Expected Total Cumulative GHG Emission Reductions: PIIC's proposed CRIs will deliver a cumulative reduction of 5,102 metric tons of carbon (mtCO₂) from 2025 through 2030 and 21,895 mtCO₂ from 2025 through 2050.

Location: Prairie Island Indian Community, Welch, Minnesota

Applicable PCAP References relevant to PIIC proposal:

State of Minnesota

Priority Climate Action Plan

<https://www.pca.state.mn.us/sites/default/files/aq1-70.pdf>

Related Measures:

- 1.0 Clean transportation - pg. 19
- 3.0 Clean energy and efficient buildings - pg. 36
- 4.0 Clean Economy - pg. 42

Midwest Tribal Energy Resources Association, Inc.

Priority Climate Action Plan

https://static1.squarespace.com/static/5e8fda58c9a6ee72f8d6a871/t/65e89582b97ecb615d3c5300/1709741442824/MTERA+PCAP_24.03.01.pdf

Related Measures:

- 2.1 Reduce Energy Generation Emissions - pg. 9
- 2.2 Reduce Building Energy Emissions - pg. 11
- 2.3 Reduce Vehicle Emissions - pg. 13