


Climate Pollution Reduction Grant:

Developing Plans to
Reduce Greenhouse Gas
Emissions in Nebraska

Energy Production Sector
Stakeholder Session 2



Second Round Stakeholder Session Goals

- Main Goal: Stakeholder input on identifying priority measures
 - Program timeline
 - Review EPA scoring criteria for implementation grants
 - Review of Session 1 measures
 - Breakout Sessions: stakeholder priority ranking polls
 - New ideas
 - Present NDEE's preliminary priority assignments
 - Discussion of priority category assignments; suggested changes
 - Whole group discussion of priority measure categories
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Climate Pollution Reduction Grant Timeline



EPA Scoring Criteria for GHG Reduction Measures

Criterion	Points
Benefits to low-income disadvantaged communities	25
Magnitude of GHG reductions 2025-2030	20
Cost-effectiveness of measure	15
Documentation of GHG reduction assumptions	15
Transformative Impact	15
Magnitude of GHG reductions 2025-2050	10
Reductions in other air pollutants 2025-2030	10
Demonstration of funding need (vs other grants)	10
TOTAL	120

Energy Production Sector Measures Proposed in Session 1

- Incentives for expanding use of/access to renewable natural gas.
 - Funding for agrivoltaics projects.
 - Funding for residential weatherization/pre-weatherization programs.
 - Promote/incentivize wind generation.
 - Funding for solar projects on unused/contaminated land, ag facilities, and parking lot/feedlot solar canopies.
 - Planning for small modular nuclear reactors.
 - Incentives for voluntary energy conservation actions (not equipment).
 - Funding for microgrids supporting critical infrastructure (water/wastewater treatment plants).
 - Incentives for expanding use of/access to renewable natural gas.
 - Funding for battery storage and alternative energy storage projects (e.g. liquid air).
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Energy Production Breakouts



NDEE Preliminary Priority Categories for Energy Measures

PRIORITY CATEGORY	MEASURES
HIGH PRIORITY	<p>Funding to utilities to expand energy efficiency initiatives for residential and commercial customers.</p> <p>Funding for microgrids supporting critical infrastructure (water/wastewater treatment plants).</p> <p>Funding for solar projects on unused/contaminated land, ag facilities, and parking lot/feedlot solar canopies.</p>
HAS POTENTIAL – LONGER TERM	<p>Funding for agrivoltaics projects.</p> <p>Incentives for expanding use of/access to renewable natural gas.</p> <p>Incentives for electricity generation from biomass (ag waste).</p> <p>Funding for battery storage and alternative energy storage projects (e.g. liquid air).</p>
LOWER IMPACT/ HIGHER DIFFICULTY	<p>Incentives for voluntary energy conservation actions (not equipment).</p> <p>Promote/incentivize wind generation.</p> <p>Planning for small modular nuclear reactors.</p>

Energy Measures	Impact	LIDAC Impact	Ease of Implementation	Ease of Measurement	Priority
Funding for solar projects on unused/contaminated land, ag facilities, and parking lot/feedlot solar canopies.	High	Medium	Medium	Easy	High
Funding for agrivoltaics projects.	Medium	Medium	Medium	Easy	Has Potential – Long Term
Planning for small modular nuclear reactors.	Medium	Low	Difficult	Easy	Low
Incentives for electricity generation from biomass (ag waste).	Medium	Medium	Medium	Medium	Has Potential – Long Term
Promote/incentivize wind generation.	High	Medium	Difficult	Medium	Low
Funding for microgrids supporting critical infrastructure (water/wastewater treatment plants).	High	High	Medium	Medium	High
Funding to utilities to expand energy efficiency initiatives for residential and commercial customers.	High	High	Easy	Medium	High
Incentives for expanding use of/access to renewable natural gas.	Medium	Low	Medium	Medium	Has Potential – Long Term
Funding for battery storage and alternative energy storage projects (e.g. liquid air).	Medium	Low	Medium	Difficult	Has Potential – Long Term
Incentives for voluntary energy conservation actions (not equipment).	Medium	Medium	Difficult	Difficult	Low

Energy Sector

IMPACT

HIGH

MEDIUM

LOW

Promote/Incentivize Wind Generation

Community/Ag/Parking Lot Solar

Microgrids for Critical Infrastructure

Expand Utility Energy Efficiency Initiatives

Small Modular Nuclear
Voluntary Energy Conservation

Agrivoltaics Projects
Battery/Alternative Energy Storage
Biomass Generation
Expand Renewable Natural Gas

DIFFICULT

MEDIUM

EASY

EASE OF IMPLEMENTATION

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