

# Climate Pollution Reduction Grant:


Developing Plans to  
Reduce Greenhouse Gas  
Emissions in Nebraska

Agriculture Sector  
Stakeholder Session 2



# Second Round Stakeholder Session Goals

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- 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 (LIDAC)	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
<b>TOTAL</b>	<b>120</b>


# Animal Agriculture & Energy Efficiency Sector Measures Proposed in Session 1

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- Promote/Incentivize Climate-smart livestock management practices
  - Incentivize rotational grazing on deep rooted pasture
  - Roller compacted concrete at feedlots for manure management with digesters
  - Incentives for low-e ammonia - clean hydrogen
  - Upgrade lighting, pumps, fans, heating, cooling in buildings
  - Electrify Fleet & Equipment
  - Solar panels on barn roofs - Ensure new construction can support panels
  - Irrigation well conversion from diesel to electric (Expand Clean Diesel prog.)
  - Incentives for regional anaerobic digester network to convert ag waste to biogas
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# Regenerative Agriculture / Conservation Sector Measures Proposed in Session 1

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- Investment in Biochar production/distribution (cornstalks, western cedar)
  - Incentives to get carbon intensity (CI) score for acres certified and in use of existing CI score programs (45Z)
  - Incentivize the prevention of conversion from grasslands
  - Incentives to producers to implement soil health & regenerative ag practices
  - Incentives for decreasing reliance on fertilizers & pesticides
  - Assistance to acquire Precision Ag equipment and tech including training to analyze the data for highest impact
  - Incentivize the adoption of chemigation for improved nutrient management
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# Breakouts

- Animal Ag / Energy Efficiency (AA/EE)
  - Regenerative Ag / Conservation (RA/C)
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# Animal Agriculture & Energy Efficiency Breakout





# NDEE Preliminary Priority Categories for AA/EE Measures

<b>PRIORITY CATEGORY</b>	<b>MEASURES</b>
<b>HIGH PRIORITY</b>	<ul style="list-style-type: none"><li>• Upgrade lighting, pumps, fans, heating, cooling in buildings</li><li>• Electrify Fleet &amp; Equipment</li><li>• Solar panels on barn roofs - Ensure new construction can support panels</li><li>• Irrigation well conversion from diesel to electric (Expand Clean Diesel prog.)</li><li>• Incentives for regional anaerobic digester network to convert ag waste to biogas</li><li>• Promote/Incentivize Climate-smart livestock management practices</li></ul>
<b>HAS POTENTIAL – LONGER TERM</b>	<ul style="list-style-type: none"><li>• Roller compacted concrete at feedlots for manure management with digesters</li></ul>
<b>LOWER IMPACT/ HIGHER DIFFICULTY</b>	<ul style="list-style-type: none"><li>• Incentivize rotational grazing on deep rooted pasture</li><li>• Incentives for low-e ammonia - clean hydrogen</li></ul>

<b>Animal Ag &amp; Energy Efficiency Measures</b>	<b>Impact</b>	<b>LIDAC Impact</b>	<b>Ease of Implementation</b>	<b>Ease of Measurement</b>	<b>Priority</b>
Promote/Incentivize Climate-smart livestock management practices	Medium	Low	Easy	Medium	High
Incentivise rotational grazing on deep rooted pasture	Low	Low	Easy	Easy	Low
Roller compacted concrete at feedlots for manure management with digesters	Medium	Low	Medium	Medium	Medium
Incentives for low-e ammonia - clean hydrogen	Medium	Low	Difficult	Difficult	Low
Upgrade lighting, pumps, fans, heating, cooling in buildings	Medium	Low	Easy	Easy	High
Electrify Fleet & Equipment	High	Medium	Easy	Easy	High
Solar panels on barn roofs - Ensure new construction can support panels	High	Low	Easy	Easy	High
Irrigation well conversion from diesel to electric (Expand Clean Diesel prog.)	Medium	Low	Easy	Easy	High
Incentives for regional anaerobic digester network to convert ag waste to biogas	High	Medium	Medium	Medium	High

**AA/EE  
Sector**

**IMPACT**

**HIGH**

**MEDIUM**

**LOW**

**DIFFICULT**

**MEDIUM**

**EASY**

**EASE OF IMPLEMENTATION**

		Regional Digester Network	Electrify Fleet & Equipment Solar on barn roofs
Low-e ammonia / clean hydrogen	Roller compacted concrete at feedlots for manure mgmt. Climate smart livestock	Upgrade lighting/pumps/fans/etc. Irrigation well to electric	
		Rotational Grazing	

# NDEE Preliminary Priority Categories for AA/EE Measures

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PRIORITY CATEGORY	MEASURES
<b>HIGH PRIORITY</b>	<ul style="list-style-type: none"> <li>• Upgrade lighting, pumps, fans, heating, cooling in buildings</li> <li>• Electrify Fleet &amp; Equipment</li> <li>• Solar panels on barn roofs - Ensure new construction can support panels</li> <li>• Irrigation well conversion from diesel to electric (Expand Clean Diesel prog.)</li> <li>• Incentives for regional anaerobic digester network to convert ag waste to biogas</li> <li>• Promote/Incentivize Climate-smart livestock management practices</li> </ul>
<b>HAS POTENTIAL – LONGER TERM</b>	<ul style="list-style-type: none"> <li>• Roller compacted concrete at feedlots for manure management with digesters</li> </ul>
<b>LOWER IMPACT/ HIGHER DIFFICULTY</b>	<ul style="list-style-type: none"> <li>• Incentivize rotational grazing on deep rooted pasture</li> <li>• Incentives for low-e ammonia - clean hydrogen</li> </ul>

# Regenerative Agriculture & Conservation Breakout



# NDEE Preliminary Priority Categories for RA/C Measures

<b>PRIORITY CATEGORY</b>	<b>MEASURES</b>
<b>HIGH PRIORITY</b>	<ul style="list-style-type: none"><li>• Incentives to get carbon intensity (CI) score for acres certified and in use of existing CI score programs</li></ul>
<b>HAS POTENTIAL – LONGER TERM</b>	<ul style="list-style-type: none"><li>• Incentives to producers to implement soil health &amp; regenerative ag practices</li><li>• Assistance to acquire Precision Ag equipment and tech including training to analyze the data for highest impact</li><li>• Investment in Biochar production/distribution (cornstalks, western cedar)</li><li>• Incentivize the adoption of chemigation for improved nutrient management</li></ul>
<b>LOWER IMPACT/ HIGHER DIFFICULTY</b>	<ul style="list-style-type: none"><li>• Incentivize grassland conversion</li><li>• Incentives for decreasing reliance on fertilizers &amp; pesticides</li></ul>

<b>Regenerative Ag &amp; Conservation Measures</b>	<b>Impact</b>	<b>LIDAC Impact</b>	<b>Ease of Implementation</b>	<b>Ease of Measurement</b>	<b>Priority</b>
Investment in Biochar production/distribution (cornstalks, western cedar)	Medium	Medium	Medium	Medium	Medium
Incentives to get carbon intensity (CI) score for acres certified and in use of existing CI score programs (45Z)	High	Medium	Medium	Medium	High
Incentivize grassland conversion	Low	Low	Easy	Easy	Low
Incentives to producers to implement soil health & regenerative ag practices	Medium	Low	Medium	Difficult	Medium
Incentives for decreasing reliance on fertilizers & pesticides	Low	Low	Easy	Easy	Low
Assistance to acquire Precision Ag equipment and tech including training to analyze the data for highest impact	Medium	Low	Medium	Easy	Medium
Incentivize the adoption of chemigation for improved nutrient management	Medium	Low	Medium	Medium	Medium

**RA/C  
Sector**

**IMPACT**

**HIGH**

**MEDIUM**

**LOW**

**DIFFICULT**

**MEDIUM**

**EASY**

**EASE OF IMPLEMENTATION**

		Carbon intensity scoring (45Z)	
	Soil health & regenerative ag Precision Ag Biochar Chemigation		
		Grassland Conservation Decreased fertilizers & pesticides	



# NDEE Preliminary Priority Categories for RA/C Measures

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PRIORITY CATEGORY	MEASURES
<b>HIGH PRIORITY</b>	<ul style="list-style-type: none"><li>• Incentives to get carbon intensity (CI) score for acres certified and in use of existing CI score programs</li></ul>
<b>HAS POTENTIAL – LONGER TERM</b>	<ul style="list-style-type: none"><li>• Incentives to producers to implement soil health &amp; regenerative ag practices</li><li>• Assistance to acquire Precision Ag equipment and tech including training to analyze the data for highest impact</li><li>• Investment in Biochar production/distribution (cornstalks, western cedar)</li><li>• Incentivize the adoption of chemigation for improved nutrient management</li></ul>
<b>LOWER IMPACT/ HIGHER DIFFICULTY</b>	<ul style="list-style-type: none"><li>• Incentivize grassland conversion</li><li>• Incentives for decreasing reliance on fertilizers &amp; pesticides</li></ul>

Full Group

