



7.6 Agriculture and Land Use Opportunity Menu

Measure 10 *Promote Sustainable Agricultural and Land Management Practices*

GHG EMISSIONS PROJECTIONS NOT ESTIMATED FOR THIS MEASURE

DESCRIPTION

Encourage regenerative farming and land stewardship to enhance productivity and resilience.

OPPORTUNITY MENU

1. Offer educational programs and technical assistance on low-emission farming and efficient fertilizer use (F)(<\$)(by 2030).
2. Provide incentives for technologies that reduce nitrous oxide emissions from fertilizer application (M)(\$\$(by 2030).
3. Fund adoption of electric agricultural equipment and methane-reducing digesters to capture emissions and generate renewable energy (HI)(\$\$\$)(by 2040).

AUTHORITY TO IMPLEMENT

City/County, H-GAC, State, Research/University

METRICS FOR TRACKING PROGRESS

1. Number of technical assistance sessions taken by farmers
2. Number of farms participating in nitrous oxide reduction incentive programs
3. Number of farms disclosing the use of electric agricultural equipment and methane reducing digesters

KEY CO-BENEFITS

Improved air quality, economic growth, health and well-being, cost-savings, workforce development, and improved reliability

INTERSECTION WITH OTHER FUNDING AVAILABILITY

- Sustainable Agriculture Research and Education Grants
- Rural Energy for America Program Renewable Energy Systems & Energy Efficiency Improvement Loans

Measure 11 *Enhance Urban and Community Nature-Based Climate Solutions*

ANNUAL GHG EMISSIONS REDUCED IN 2030

169,110 MTCO₂e

ANNUAL GHG EMISSIONS REDUCED IN 2050

169,110 MTCO₂e

DESCRIPTION

Integrate green infrastructure and natural systems into community planning to reduce urban heat island effects, manage stormwater, and improve air quality.

OPPORTUNITY MENU

1. Launch tree planting and green space initiatives to raise awareness and improve air quality (F)(\$\$\$)(by 2030).
2. Develop and fund urban afforestation and green infrastructure projects (green roofs, rain gardens, community gardens, urban forests) (M)(\$\$(by 2030).
3. Implement citywide policies that integrate urban forestry and nature-based solutions into development plans (HI)(\$\$(by 2030).

AUTHORITY TO IMPLEMENT

City/County, H-GAC, Nonprofit Community & Faith Based Organizations

METRICS FOR TRACKING PROGRESS

1. Number of trees planted
2. Number of green-infrastructure/ afforestation projects implemented
3. Number of municipalities with urban forestry plans or design standards incorporating nature-based solutions

KEY CO-BENEFITS

Improved air quality, health and well-being, cost-savings, and improved reliability

INTERSECTION WITH OTHER FUNDING AVAILABILITY

- [Texas A&M Forest Service Community Forestry Grant Program](#)
- [National Fish and Wildlife Foundation Funding Opportunities](#)
- [NFWF Nature-based Solutions Funding Database](#)
- [Green Infrastructure Funding and Technical Assistance Opportunities | US EPA](#)

Measure 12 *Protect and Enhance Coastal, Forest, and Other Carbon Sinks*

ANNUAL GHG EMISSIONS REDUCED IN 2030

1,690 MTCO₂e

ANNUAL GHG EMISSIONS REDUCED IN 2050

5,440 MTCO₂e

DESCRIPTION

Conserve and restore natural areas that capture and store carbon while protecting ecosystems.

OPPORTUNITY MENU

1. Partner with local environmental groups to promote wetland and forest conservation awareness (F)(<\$)(by 2030).
2. Develop sustainable forest management policies (M) (<\$)(by 2030).
3. Enact regional strategies to protect and restore wetlands and coastal estuaries with high carbon sequestration potential (HI) (<\$)(by 2040).

AUTHORITY TO IMPLEMENT

City/County, H-GAC, State

METRICS FOR TRACKING PROGRESS

1. Number of outreach collaborations with local environmental groups
2. Number of sustainable forest management policies adopted
3. Acreage of wetlands and coastal estuaries conserved or restored

KEY CO-BENEFITS

Improved air quality, health and well-being, and cost-savings

INTERSECTION WITH OTHER FUNDING AVAILABILITY

- [National Fish and Wildlife Foundation Funding Opportunities](#)
- [Texas A&M Forest & Land Management Technical Assistance](#)
- [Texas A&M Watershed Protection Plan Implementation Grant](#)