



Strategic Plan Update

Environmental & Energy Stewardship

Presented by

Jeremiah LeRoy, Sustainability

Jennifer Harrison, Agriculture and Land Resources



BUNCOMBE COUNTY



Environmental & Energy Stewardship

Subcommittee Overview

Mission:

In order to provide recommendations for action to the Board of Commissioners, the Subcommittee is authorized to examine opportunities in environmental and energy stewardship including, but not limited to, the following:

- ✓ Conservation easement strategies
- ✓ Reduction of greenhouse gas emissions
- ✓ Renewable energy development and access
- ✓ Preservation of farmlands and natural resources
- ✓ Solar and other renewable energy
- ✓ Solid waste management and recycling
- ✓ Air and water quality
- ✓ Green building



Subcommittee Accomplishments



Recommended to BOC:

- Fleet Vehicle Resolution
- Solar on Schools by 2025
- Open Space Bond
- 20% Land Conservation Goal



Environmental & Energy Stewardship Priorities

- 1) Water Quality
- 2) Renewable Energy Transition
- 3) Open Space and Conserved Lands
- 4) Climate Resiliency
- 5) Clean Energy Financing



Strategic Plan Goals

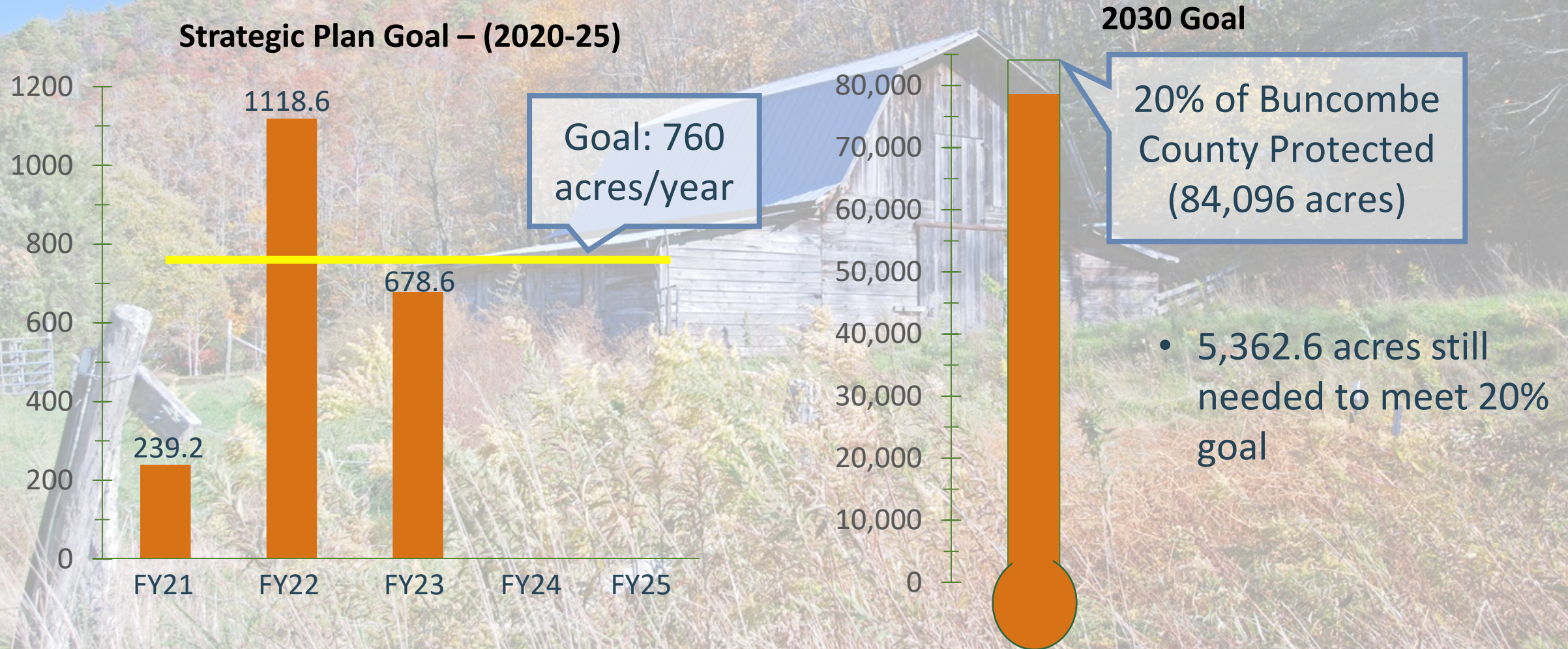


Strategic Plan Goals: Environment

1. Preserve farmland and environmentally sensitive tracts of land
2. Reduce greenhouse gas emissions



Preserve Farmland and Environmentally Sensitive Tracts



Century farm

274 acres

JASPERWOOD FARM

NEWFOUND

\$ 1,118,450.71 in grant funding

Diversified production

Reduce Greenhouse Gas Emissions

- Progress
 - 5 MW Solar Farm in Woodfin to go live in early December
 - 15 on-site renewable projects ongoing at County owned facilities
 - 13 new EVs order for FY23 (4 have been received)
 - Flexible workplace policy
- Challenges
 - Supply chain delays & unavailable products
 - Recycling rates lower due to reduced commercial cardboard & concrete/brick recycling



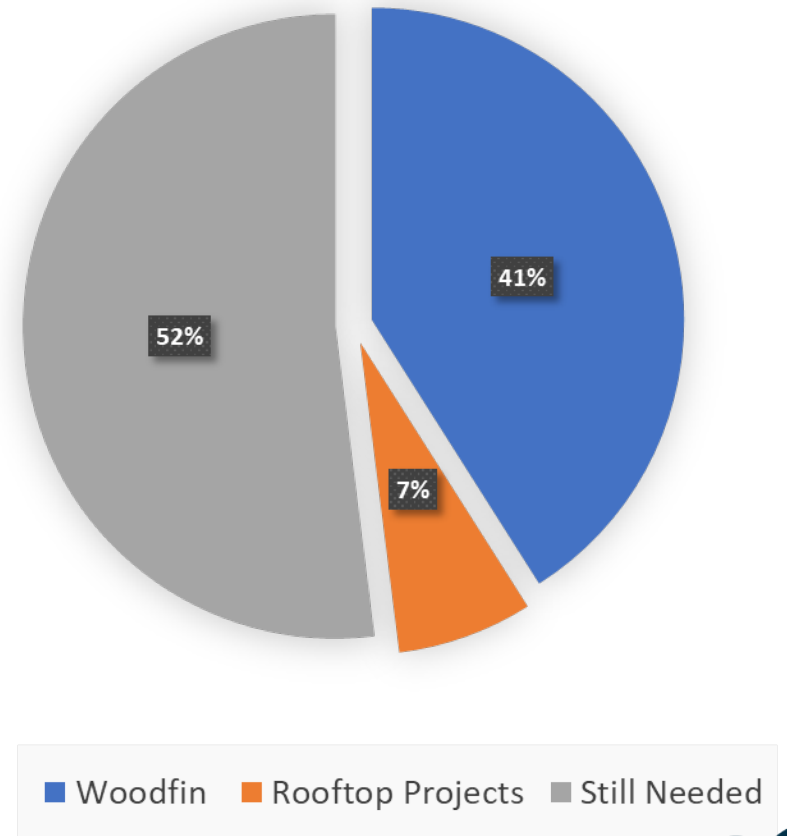
*BC Animal Shelter



2030 Goal

In 2018, Buncombe County adopted a goal of reaching 100% Renewable by 2030 for its county operations

- Renewable Energy needed to meet the goal is ~**20,000 MWH**
- Current on-site solar projects = 7%
- Woodfin Landfill utility scale project = 41%
- Remaining= 52% still needed
 - Approximately 35% of GHG emissions are vehicle fuels; zero emission vehicle procurement will enable significant progress to continue



Community Initiatives

Goal: Reduce Greenhouse Gas Emissions

- Solar on Public Facilities
 - 23 Renewable Projects ongoing on external public facilities
 - 5 new projects coming to bid
- LMI Weatherization and solar
 - 365 residences weatherized (47% BIPOC)
 - 16 LMI solar installations ongoing
- Solarize Campaign
 - 180 Residential solar contracts (1.6 MW)
- ARPA Funding
 - \$1MM for Solar on Community Fire Depts. (TBD)



*Montford North Star Academy



Questions?

Contacts:

Jeremiah.LeRoy@buncombecounty.org

Jennifer.Harrison@buncombecounty.org



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