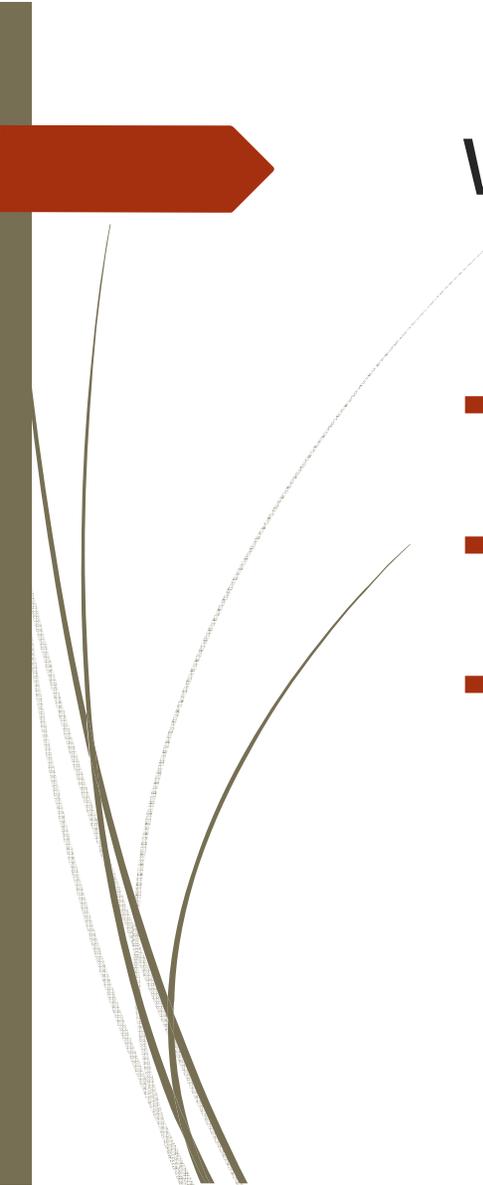




# Mono County Resource Efficiency Plan

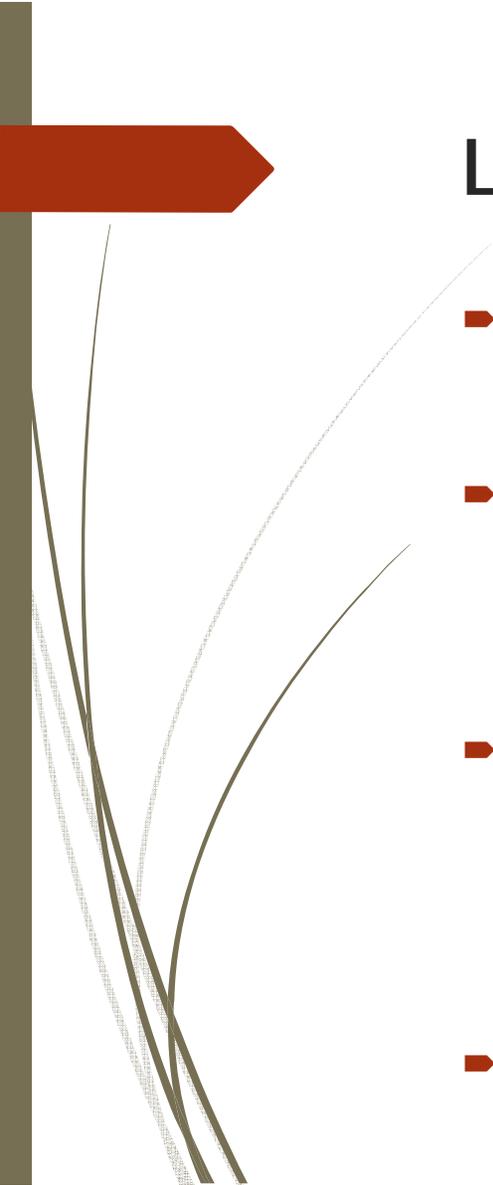
June 2014

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# What is the Resource Efficiency Plan?

- ▶ A plan to help residents and businesses save energy and money, and reduce County expenses so taxpayer dollars are spent more wisely
- ▶ A strategy to support local sustainability initiatives in small and rural communities.
- ▶ A local tool to streamline compliance with state legislation (e.g., AB 32 and the California Environmental Quality Act).



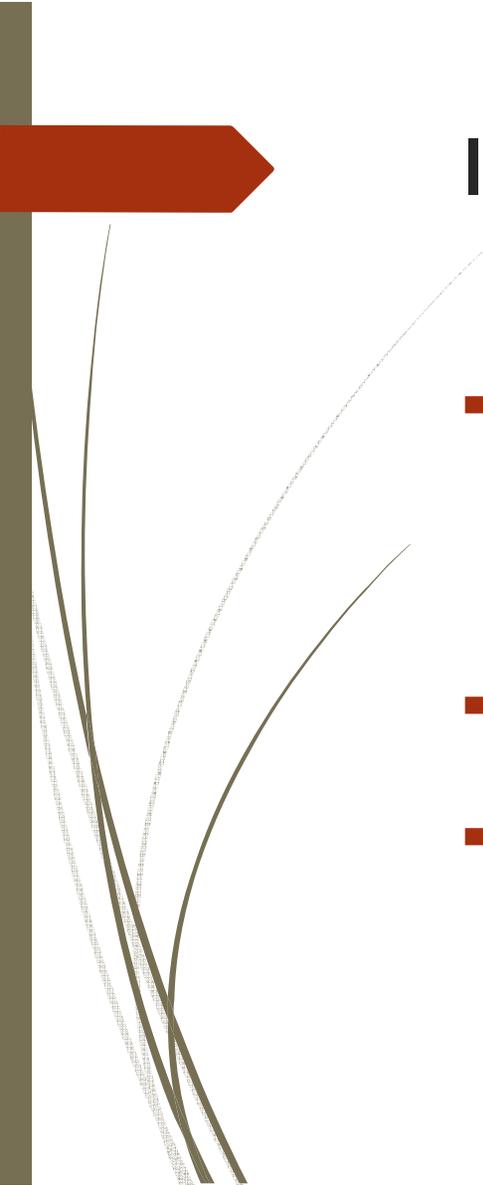
# Local Context

- ▶ Built around the County's rural nature and limited access, including a tourism-based economy, federal/state land ownership, and seasonal conditions.
- ▶ Accounts for completed energy efficiency actions
  - Window, HVAC, boiler, and ducting replacements / upgrades at County facilities
  - Solar projects at the landfill and community centers
  - Road shop exhaust pollution removal systems
- ▶ Supports new initiatives
  - Waiver of permit fees for energy efficiency and distributed generation projects
  - Establishment of a Property Assessed Clean Energy (PACE) program (available this fall)
  - Prescriptive, engineered designs available to the public for ground and roof-mounted solar
  - Exploration of projects utilizing biomass from forest health and fuel reduction projects
- ▶ Will be integrated into the General Plan Update



## What's in the Plan?

- ▶ Greenhouse gas emissions inventory
- ▶ Greenhouse gas emissions forecasts and reduction targets
- ▶ Programs and projects to reduce emissions
- ▶ Implementation plan



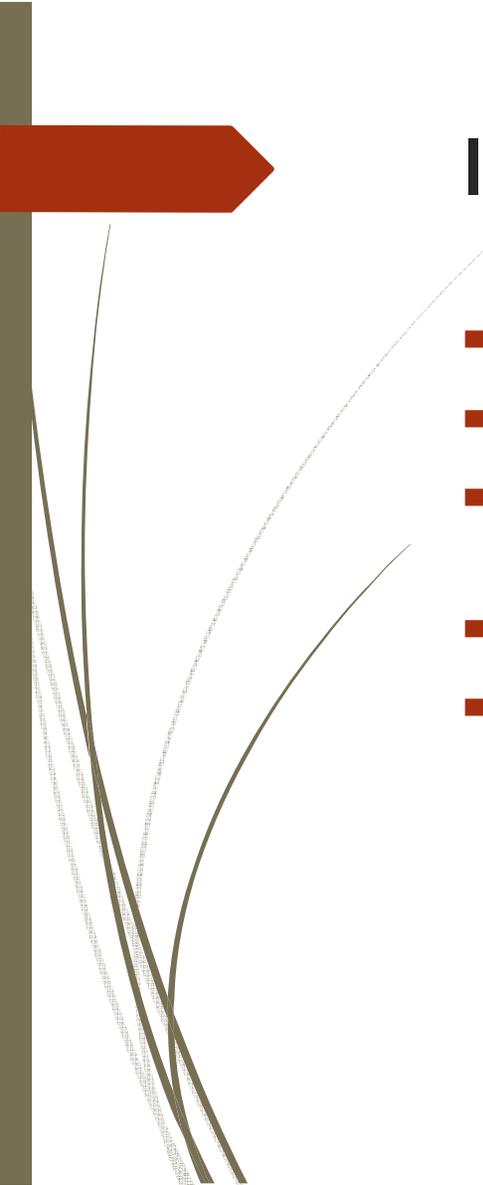
# Inventory, Forecasts, & Targets

- ▶ Inventory: emissions equal 0.031% of state (140,310 metric tons of carbon dioxide equivalent, or MTCO<sub>2</sub>e)
  - Methods consistent with the US Community Protocol and the California Air Resources Board Local Government Operations Protocol
  - 2005 and 2010 used as baseline years
- ▶ A “business as usual” forecast predicts a 6% increase in emissions by 2020, and 13% by 2035.
- ▶ The Target, to meet AB 32 and CEQA streamlining requirements:
  - 10% reduction from 2005 and 20% reduction from 2010 emission levels by 2020
  - Implementation of at least 5 megawatts of additional renewable energy projects



# Policies, Projects & Programs

- ▶ Over 500 “best practices” reviewed, approx. 120 selected as applicable / practical.
- ▶ Focus is on incentives, facilitation and support, NOT regulations or requirements.
- ▶ GOALS:
  - Improve energy efficiency in existing buildings.
  - Reduce energy use in new construction and major renovations.
  - Preserve open space and agriculture to sequester carbon and promote local food production.
  - Encourage appropriately scaled renewable energy generation for use within the County.
  - Reduce generation of waste within the County.
  - Ensure a sustainable long-term supply of water, and meet or exceed applicable water quality standards.
  - Collaborate with community partners, and empower the public to improve resource efficiency within the County.
  - Improve connectivity and efficiency of resident and employee transportation within the County.
  - Promote compact, efficient, and contiguous development in the unincorporated county.
  - Evaluate greenhouse gas emissions, and plan for mitigating and adapting to climate change.



# Implementation

- ▶ Annually monitor and report progress.
- ▶ Update baseline emissions inventory and plan every five years.
- ▶ Continue to develop collaborative partnerships with agencies and community groups.
- ▶ Pursue funding.
- ▶ Tools:
  - Excel-based monitoring tool: an interactive workbook to collect data, track emissions and resource consumption, and assess effectiveness.
  - Energy Star Portfolio Manager: a free tool online to benchmark, track, and manage energy, water consumption and emissions for specific County buildings.