



# Opportunities for Tribal Renewable Energy Development

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# Clean Power Plan

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1. Near-term opportunities – Clean Energy Incentive Program (CEIP)
  - Provides incentives for early action - low income energy efficiency and renewable energy
  - Ensure states, Tribes, and EE providers can take advantage of the CEIP
    - Establishing EM&V protocols
  - Leverage CEIP for longer-term investments
  
2. Long-term opportunities
  - Rate-based compliance (ERCs)
  - Mass-based compliance (allowances)

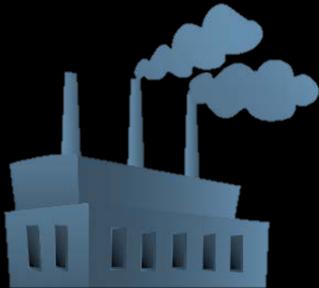
# Clean Power Plan: Rate Compliance

- Power plants must show they emit at a rate of
  - 771 lb/MWh (natural gas plants, in 2030)
  - 1,305 lb/MWh (coal plants, in 2030)
- Power plants can demonstrate rate-based compliance using “Emission Reduction Credits”, or “ERCs”)
  - 1 MWh clean energy = 1 ERC
- Renewable Energy (ERCs)
- Energy Efficiency (ERCs)
- Other measures
- Increased use of natural gas (partial ERCs)



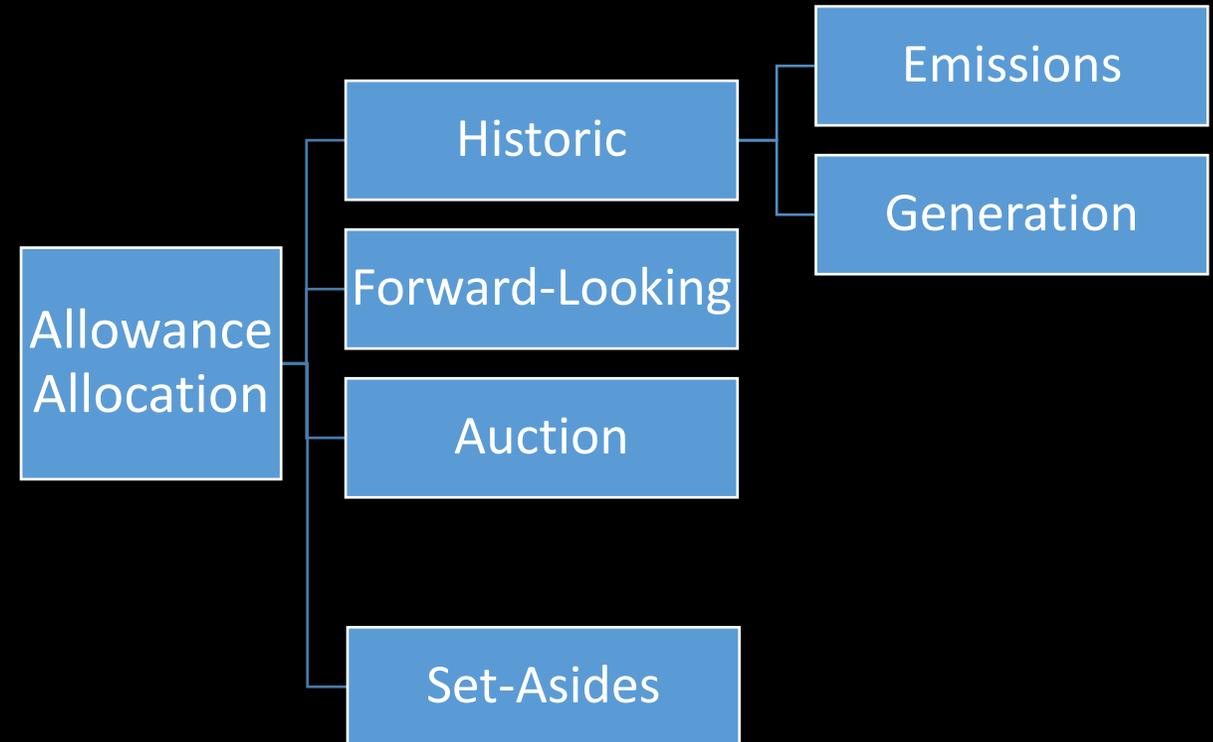
# Clean Power Plan: Mass-Based Compliance

Emissions = Allowances



50 tons = must hold 50 allowances

How will allowances be distributed?



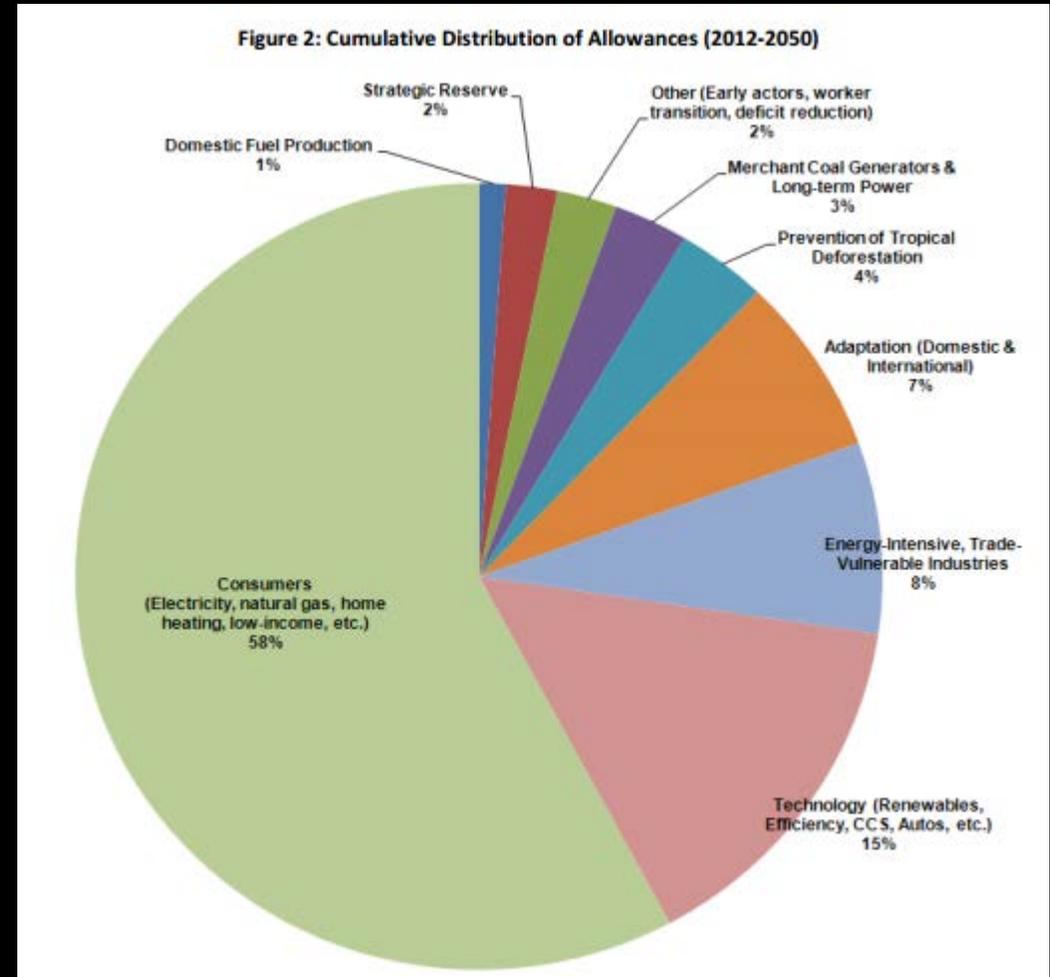
# Clean Power Plan

Allocation can be used to advance policy objectives, such as investments in

- Energy efficiency
- Infrastructure (transmission, RE)
- Adaptation
- Reducing customers' bills
- Mitigating impacts on affected communities or industries

States and Tribes will have wide latitude in allocations if they adopt the new source complement.

BUT – allowance values may be low, initially.



Proposed allowance allocation (benefits) under Waxman-Markey (ACES, 2009). Source: Pew Center on Global Climate Change.

# Clean Energy Trends

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- Clean Power Plan, State RES's, low prices → driving investment in RE
- Market transformation → higher levels of RE integration
- Increasing renewable energy standards, state climate goals
- Opportunities to advance Tribal renewable energy goals:
  - Community developed renewable incentives? (Colorado)
  - Additional incentives for utility investment? (Colorado)
  - Updating state renewable energy standards? (Arizona)

*Thank you*

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