



NASEO Annual Meeting:
Energy and Multi-Pollutant Prevention in Minnesota

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Overview

- Minnesota has a longstanding history of progressive energy policies
 - Focus on reducing greenhouse gas emissions and building a clean energy economy
 - Currently Minnesota is falling short meeting its GHG reduction goals
 - New policies under consideration to become more aggressive meeting goals
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Current Initiatives

- Clean Air Minnesota
 - Public Private Partnership to address air quality issues
 - Addresses issues such as:
 - Permitted sources (e.g. smokestacks)
 - Non-permitted sources (e.g. comm, resi, ag)
 - On-road sources (e.g. cars and trucks)
 - Off-road sources (e.g. off-road vehicles & equipment)
 - Non-regulated sources need voluntary action
 - Goal: develop air quality projects yield measurable emissions reductions (partners agreed to a 10% reduction target) of fine particulate matter
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Current Initiatives

- Clean Air Minnesota Recommendations include:
 - Area Source Actions
 - Reduce VOC emissions (edu/outreach) in mid-size C/I
 - Equipment Exchange (landscaping with small engines)
 - EE & Renewable Energy
 - Expand access to DG
 - Urban heat island mitigation/urban forestry
 - Expand conservation goals in public sector and private sector
 - Benchmarking and disclosure ordinances
 - Mobile Diesel
 - Alternative fuel infrastructure grants
 - Alternative fuel vehicle incentives for fleets
 - Edu/outreach re: truck idling
 - Incentives for diesel engine retrofit/repower/rebuild/replace
 - Emissions reductions for public fleets
 - Point Source
 - Air alert and stationary generator edu/outreach
 - Transportation demand management & light duty vehicle
 - Accelerate high-emitting vehicle retirement
 - Develop transit system (bus and rail) in 7 co metro region
 - High-emitting vehicle repair rebates
 - Wood smoke
 - Model ordinance for hydronic heaters
 - ~~Wood stove/fireplace change-outs~~

Current Initiatives

- Climate Strategies & Economic Opportunities
 - Joint initiative with various state agencies including MPCA, Commerce, EQB, Health, DEED, etc. with involvement from CCS and stakeholders
 - Goal is to analyze policy strategies to help meeting GHG reduction goals including:
 - Potential to reduce GHG
 - Projected societal costs and savings
 - Projected indirect effects on economy
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Current Initiatives

- Climate Strategies & Economic Opportunities: Policy options considered
 - Energy Supply
 - Increase RES to 40% or 50%
 - Retire/Repower coal plants
 - Demand Side Efficiency
 - Expand EERS to 2 or 2.5%
 - Add a CHP standard (800 MW – NG and Biomass)
 - Expand SB2030 (NZE Ready)/Stretch Codes
 - Agriculture
 - Nutrient management
 - Soil carbon management
 - Advanced Biofuel production
 - Forestry Management
 - Forest thinning for biomass production
 - Community forests/tree planting
 - Private land conservation
 - Land Use and Transport
 - Transportation pricing
 - EV and ZEV standards
 - Waste and Water
 - EE in WWT
 - Front-End Waste management
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Thank you!

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