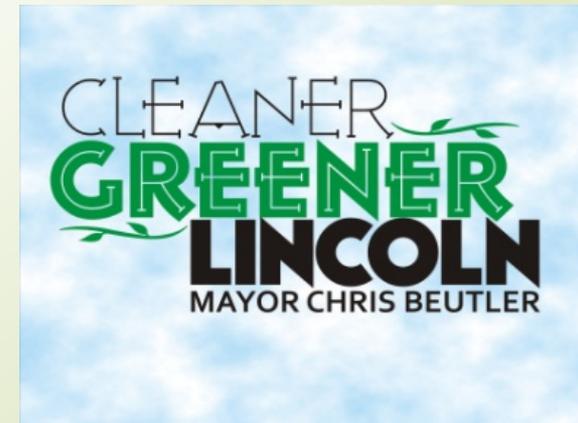


Mayor Beutler's Environmental Task Force October 1, 2015

- Sustainability Review
- Public Works & Utilities
Environmental & Risk Management
System (ERMS)
- Sustainability Strategy



Sustainability Review

- EO 80968
- Sustainable Lincoln Plan
- Taking Charge Indicators

EO 80968 - Sustainability Policy

- GHG emission inventory and reductions
- Pursue clean alternative energy sources and vehicles
- Public building energy efficiency, lighting, conservation and LEED standards
- LED lighting for traffic and street lights
- Purchasing policies
- Recycling
- Water conservation
- Low impact landscaping

Sustainable Lincoln Plan (2012)

- ▶ Waste
 - ▶ Complete SWMP 2040
 - ▶ Recycling services 100% accessible/affordable
 - ▶ Toxics diversion from Bluff Rd. LF (50 TPY)
- ▶ Air Quality
 - ▶ Maintain AQI at 90% "Good"
- ▶ Drinking Water
 - ▶ Reduce 4 yr. avg. demand to 110 gal/capita/yr.
 - ▶ "Unaccounted Water" at <5%
 - ▶ "Right-Size" service charges to account for growth
- ▶ Water Quality
 - ▶ Require construction BMPs
 - ▶ Maintain "No Adverse Impact" Floodplain Policy within new growth area
 - ▶ No net loss of saline wetlands

Sustainable Lincoln Plan (cont.)

- ▶ Water Reclamation
 - ▶ Expand use of recycled wastewater (i.e. Innovation Campus)
 - ▶ Expand use of greywater systems
- ▶ Land Use
 - ▶ Maintain ratios of 1.3 acres of Neighborhood Parks and 2.4 acres of Community Parks per 1000 residents
 - ▶ Residential Infill - 5000 units by 2022 in Priority Growth Areas
 - ▶ Green/Open Space at 10% of City Limits
 - ▶ Increase community gardens (+1.75 acres from 2012-2015)
- ▶ Energy
 - ▶ Improve Municipal Energy Efficiency by 20% (2015 w/2012 as base year)
 - ▶ Reduce Citywide per capita Energy Usage by 7% (by 2015 with 1990 as base year)

Taking Charge Environmental Indicators

- ▶ Drinking Water
 - ▶ Meeting MCLs (Arsenic, Atrazine, Bacteriological contaminants, etc.)
 - ▶ Water main breaks
 - ▶ Customer outages
 - ▶ Affordability index
 - ▶ Electricity usage
- ▶ Air Quality - Maintain AQI at 90% "Good"
- ▶ Solid Waste
 - ▶ Toxics diversion from Bluff Rd. LF
 - ▶ Increase waste diversion (18% vs. 34% nationally)

Taking Charge Environmental Indicators (cont.)

➤ Watershed

- New storm drain construction
- Reduce flood insurance premiums
- Stream bank stabilization
- Illicit discharge elimination

➤ Wastewater

- Treatment plant(s) compliance with permit limits
- Minimize line blockages

Taking Charge Environmental Indicators (cont.)

- ▶ Energy
 - ▶ Landfill gas utilization
- ▶ Transportation
 - ▶ Use of alternate forms of transportation to work (walk, bike, commute, etc.)
 - ▶ StarTran ridership
 - ▶ StarTran alternative fuel use

Sustainability Review

- Needs:
 - Comprehensive Sustainability Strategy, Planning & Reporting
 - Management Systems Approach
 - Best Practices



Public Works and Utilities Environmental & Risk Management System (ERMS)

- Based on ISO 14001
 - Risk-based Planning
 - Doing
 - Checking
 - Adjustment
- Includes elements of safety and emergency management
- Focus on continual improvement

ERMS Status

- ▶ Instituted in September/2014
 - ▶ ERMS policy
 - ▶ Committee formation
- ▶ Completed initial planning process with all PW&U Divisions
- ▶ Annual report/recommendations in progress

ERMS Planning Process

- Listing of activities (aspects)
- Evaluation of risks/hazards/impacts
- Determination of control/adequacy
- Objectives, targets and action plans

PW&U 2015 ERMS Action Plans

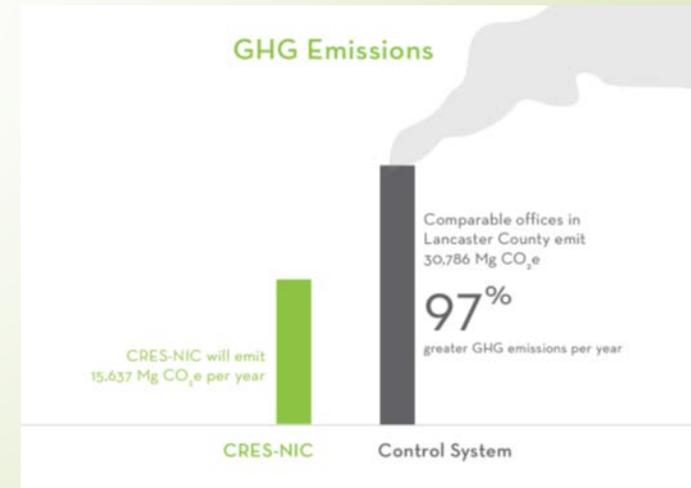
- Creating new or modifying existing best practices/procedures for:
 - LWS water line flushing
 - Street Maintenance winter operations
 - Wastewater treatment high flow conditions
 - Landfill surface emission monitoring
 - Regulatory – required plans
 - Stormwater Pollution Prevention
 - Spill Prevention Control and Countermeasures (for oil spills)
 - Emergency Operations

ERMS Action Plans (cont.):

- Confined space access
- Broad training requirements
- Contractor controls/oversight
- Stormwater controls on City projects
- Sustainability strategy and planning

Sustainability Strategy

- Assessment and refinement of goals and objectives
 - Energy Use and Security
 - Municipal operations effectiveness and efficiency
 - Fleet
 - Grid vulnerability
 - Alternative energy supplies
 - Water
 - Conservation
 - Security
 - Land Use
 - Solid Waste Recycling
- Performance, Progress and Reporting



Environmental Dashboard Example



Questions/Comments?

METF – Attacking Sustainability challenges one bite at a time!

