

2019 Federal Environmental Symposium Call for Presentation Abstracts

PRESENTATION CATEGORIES

The categories below will form the tracks of this year's Symposium.

Under each category are many examples of various topics you may consider presenting. **Your presentation proposals are by no means limited to these examples; they are provided merely to show areas of high interest among the Federal community. We will welcome and consider all proposed topics!**

Environmental Management Systems

- Using EMS to meet the goals of EO 13834
- EMS metrics and guidance
- Targeted EMS success stories
- Implementing higher tier/multi-site EMS's
- Implementing EMS at leased facilities
- Incorporating sustainable practices into EMS
- Integrated Environmental and Health and Safety Systems

Environmental Compliance

- Pharmaceutical new rule
- Hazardous Waste Generator Improvements Rule
- Lead-based Paint
- Clean Water Act NPDES Significant Noncompliance (SNC)
- Stormwater
- Emergency generators—Reciprocating Internal Combustion Engine New Emission Standards Hazardous Air Pollutant (RICE NESHAP) Rule
- Air emissions management—including Air Emission Inventories and data/records management
- Seasonal drinking water systems
- Universal wastes
- Spill Prevention Control and Countermeasure (SPCC) plans
- Federal facilities and Emergency Planning and Community Right-to-Know Act (EPCRA)
- Revised Section 608 Refrigerant Management Regulations
- Hazardous Waste Electronic Manifest System (E-Manifesting)
- What is ECHO?

Protecting Our Watersheds

- Implementation strategies to meet the Maryland NPDES General Municipal Separate Storm Sewer System (MS4) permit restoration goal on Federal facilities
- Total Maximum Daily Load (TMDL) Program
- Chesapeake Bay – protection efforts, recent improvements / current condition, regulatory assistance, etc.
- Local Stream Restoration (for facilities that has an on-campus stream)
- Waste Discharge Initiatives – Prevent chemical waste discharges to sanitary
- Pretreatment systems for sanitary or storm
- Coordination with state and/or local government to protect watershed
- Outreach activities to the federal community / employee
- Reduced landscape maintenance – Adoption of No Mow Zone

Sustainability

- Sustainable acquisition
- Sustainability in the laboratory environment
- Greening existing buildings
- Greening existing leases/replacement leases
- Campus approach to sustainability
- Incorporating sustainability into environmental and property asset management
- Approaches to financing sustainability
- Measurement and tracking gas emissions
- Sustainable building implementation plans
- Building and campus case studies
- Training and outreach
- Integrated design and delivery
- Purchasing environmentally preferable building materials and construction services
- Indoor environmental quality
- Low-impact development/stormwater management
- Sustainable siting
- Landscaping
- Historic preservation

Pollution Prevention and Waste Reduction

- Paperless processes
- Laboratory recycling
- Conducting green meetings and conferences
- Toxic and hazardous substance reduction plans and programs
- Chemical management and reduction plans and programs
- Green chemistry
- Composting (food waste and landscape materials)
- Recycling markets and effects on recycling programs
- Local recycling laws/ordinances compliance and effects on facilities and programs
- GSA recycling contracts, lease provisions for recycling, and other ways GSA can help set up recycling programs
- Construction and demolition debris recycling/reuse including roofing materials
- Obstacles to recycling
- Calculating Greenhouse Gas benefits from recycling activities
- Recycling in difficult places (e.g., trains and other mobile locations)
- Recycling in rural areas
- EPA's WasteWise program for federal facilities
- Workplace recycling - expanding recycling programs beyond traditional office recyclables
- Recycling Containers and Signs that Work
- Meeting current Electronic Product Environmental Assessment Tool (EPEAT) requirements and future EPEAT standards
- Power management programs and electronics energy use reduction strategies
- Extending the life of information technology (IT) equipment and keeping pace with changes in technology
- Environmentally responsible electronics reuse and recycling
- Greening federal data centers
- IT asset and inventory management
- Ensuring data and media security while implementing green computing strategies
- Case studies from small and medium size facilities across the country
- Education and involvement of management at the facility and agency level
- GHG inventory development – EPA protocols and tools
- Inventory management – decision-making, reduction opportunities, and new reduction goals

- EPA's "Outstanding" non-Federal Climate Leaders Case Studies
- Voluntary renewable energy and carbon markets
- It's NOT all CO2: Non-CO2 Highly Climate Warming Gases
- Utilizing EPA/DOE EnergyStar for building GHG footprint
- How to include employee transportation GHG footprint
- Calculating your recycling efforts reduction of GHGs
- What is this thing called "Carbon Trading" & how does it work?

Energy and Water Efficiency

- Federal building performance standards
- Energy management requirements
- Energy Star and Federal Energy Management Program (FEMP) designated product requirements
- Green / renewable power; on-site applications and procurement
- Building energy rating systems
- Optimizing direct digital controls and building automation systems
- Metering
- Wireless monitoring of building systems
- Energy storage strategies
- Retro-commissioning or re-tuning of existing buildings
- Strategies for energy evaluations/audits performance Alternative Financing: Energy Saving Performance Contracts, Enhanced Use Lease, Utility Energy Services Contracts, and others
- Strategic energy planning
- Energy conservation for remote facilities
- Zero Net Energy Designs
- Clean power applications; combined heat and power, fuel cells, methane capture, wind power, solar energy
- New technology advancements for energy and water efficiency
- Water efficiency measures for offices, laboratories, hospitals, etc.
- Water saving landscaping practices
- Water-energy nexus
- Performing campus water balances
- Water saving devices and equipment updates
- Leak detection and monitoring

Best Environmental Practices

- Sustainable acquisition
- Partnerships
- Environmental reviews (National Environmental Policy Act (NEPA))
- Environmental conflict resolution
- Compliance management
- Connections among waste, recycling, and climate
- Environmental performance standards

Protecting our Natural Resources

- Park service programs
- Forest management
- Wildlife management
- Minerals management
- Managing fires
- Water issues (e.g., Chesapeake Bay water issues, wetlands, droughts)
- Supporting pollinator habitat