



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

SGP Workshop

December 8, 2022

Sarah Piziali, Air Quality Bureau Chief

Air Quality Bureau Priorities

- Assess staffing and succession plan to prepare for the future
- Leverage new and existing IT resources to create efficiencies and enhance transparency
- Evaluate Bureau expenses and funding to ensure it is both sustainable and adequate
- Work collaboratively with industry and EPA to prepare for new and changing environmental requirements

Air Quality Staffing

- Several changes in bureau staffing
 - Bureau Chief
 - Construction Permit Supervisor
 - Construction Permit Engineers (4)
 - Monitoring Lead
 - Monitoring Specialist
- 25% of DNR workforce eligible to retire within 5 years
 - 15% of AQ staff will be eligible to retire in next 3 years

Technology Updates

- Iowa EASY Air and SLEIS
 - Mandatory use starting January 1, 2023
- Outreach focus leading up to Jan 1:
 - Additional FAQs and list servs
 - Revamped eAirServices webpage
<https://www.iowadnr.gov/Environmental-Protection/Air-Quality/eAirServices>
 - Iowa EASY Air enhancements
 - New training opportunities

Technology Updates

- Open Text (replacement to DocDNA)
 - Since Feb 4, new records only in Open Text
 - Transition complete soon
 - <https://www.iowadnr.gov/Environmental-Protection/Air-Quality/Public-Records-Air-Quality>
- Environmental Services Dashboard
 - Active CP and TV Applications, Asbestos notifications, AQI, Emissions Inventory and Monitoring data
 - <https://www.iowadnr.gov/Environmental-Protection/Air-Quality>

Technology Updates

- Air Quality Records and Reporting (AQRR)
 - Records: Internal Records Management, Construction Permit Search (CPS)
 - Compliance reports: TV annual and semi-annual, NESHAP
 - Under development, targeting March 2023

Air Quality Budget

- Annual Fee Advisory Group Meeting
 - January 5, 2023 at 10 am
 - To register to attend in-person or virtually contact Wendy Walker at Wendy.Walker@dnr.iowa.gov
 - Includes:
 - Asbestos,
 - Construction Permit,
 - Title V, and
 - Status of State and Federal Funding

Environmental Focus

- Current EPA Activities
 - Environmental Justice
 - PM2.5 and Ozone NAAQS Reconsiderations
 - Ozone Transport
 - NSR Public Participation
- Ongoing Work with EPA
 - Start-up, Shutdown, and Malfunction (SSM)
 - Regional Haze Round 2

Environmental Justice

- Working with EPA to determine expectations
- DNR EJ webpage
 - <https://www.iowadnr.gov/About-DNR/Civil-Rights-and-Environmental-Justice>
- Rachael Zander (DNR Legal)
 - Environmental Justice Coordinator

PM2.5 NAAQS Reconsideration

- Annual Standard - CASAC consensus to lower
 - Current: 12 $\mu\text{g}/\text{m}^3$
 - Majority: 8-10 $\mu\text{g}/\text{m}^3$ Minority: 10-11 $\mu\text{g}/\text{m}^3$
- 24-hr Standard – no CASAC consensus
 - Current: 35 $\mu\text{g}/\text{m}^3$
 - Majority: 25-30 $\mu\text{g}/\text{m}^3$ Minority: 35 $\mu\text{g}/\text{m}^3$
- Expect proposal before end of 2022
- Final rule in 2023

Inflation Reduction Act (IRA) of 2022

- Makes significant investments that are expected to reduce U.S. carbon emissions ~40% by 2030 while supporting disadvantaged communities and the clean energy industrial base
- Effective: August 16, 2022
- \$369 billion in energy security and climate change programs over next 10 years
 - EPA received \$41.5 billion in appropriation + additional \$11.7 billion in future (tax on oil and gas production)

IRA Grant Opportunities

- Address Air Pollution - \$285.5 million
 - Increase & strengthen air monitoring - \$235.5 million
 - Fenceline monitoring - \$117.5 million
 - Multipollutant monitoring - \$50 million
 - Sensors - \$3 million
 - Wood heaters - \$15 million
 - Methane monitoring - \$20 million
 - Planning grants - \$25 million
 - Address air pollution at schools - \$50 million

IRA Grant Opportunities

- Climate Pollution Reduction Grants - \$5 billion
 - Develop climate pollution reduction plans
- Transportation Programs - \$4 billion
 - Clean heavy duty vehicles - \$1 billion
 - Reduce air pollution at ports - \$3 billion
- Methane Emissions Reduction Program - \$1.55 billion
 - Financial and technical assistance to reduce methane emissions from oil and gas sector

IRA Grant Opportunities

- Funding for AIM Act - \$38.5 million
 - Reclaim & Innovative Destruction grants - \$15 million
 - EPA implementation of AIM Act - \$23.5 million
- Low Emissions Electricity and GHG reporting - \$92 million
 - Low Emissions Electricity Program - \$87 million
 - GHG Corporate Reporting - \$5 million
- GHG Reduction Fund - \$27 billion
 - Outside of OAR to implement GHG reduction plans

What's next for IRA?

- Most of these areas require the stand-up of new EPA programs.
- EPA is requesting feedback on these opportunities through a series of dockets.
 - Comments due January 18, 2023
 - <https://www.epa.gov/air-and-radiation/inflation-reduction-act-non-regulatory-dockets-public-input>
- More Information
 - <https://www.epa.gov/inflation-reduction-act>



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