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2019 Kansas Air Update

A&WMA Midwest Section Annual Conference
September 30, 2019

Air Update



- Affordable Clean Energy Rule
- 2019 Flint Hills Season Update
- Monitoring Activities
- Planning/Regulations Activities



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Affordable Clean Energy (ACE) Rule

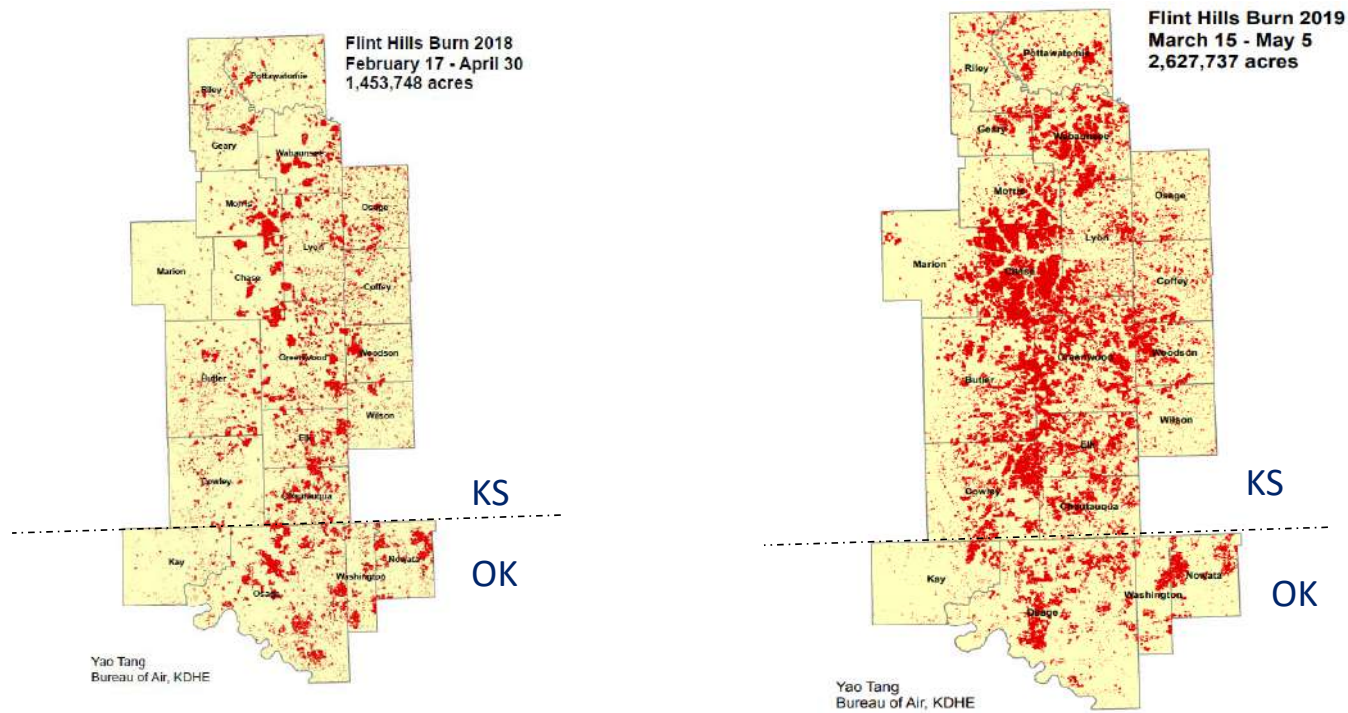
- June 19, 2019 EPA issues ACE Rule
 - Provides states with new emission guidelines that will assist states in developing standards of performance to reduce carbon dioxide (CO₂) emissions from existing coal-fired Electrical Generating Units (EGUs).
 - Nine affected units in Kansas @ five facilities.
- Repealed the Clean Power Plan (CPP)
- Revised implementing regulations for ACE, ongoing emission guidelines, and all future emission guidelines for existing sources issued under the authority of the Clean Air Act (CAA) section 111(d).
- Initial meeting with affected sources on July 26 and second meeting scheduled for Nov. 14

2019 Flint Hills Season Update



- Extensive outreach/education pre-burn/during season
- Uptick in burned acres because of unfavorable conditions in 2018
- Over 413,000 acres burned between March 15 and March 31
- 2 ozone and 2 PM_{2.5} air quality exceedance days directly linked to burning
- Acres burned: 2,627,737

Satellite Derived Acres Burned in Flint Hills – 2018 vs. 2019



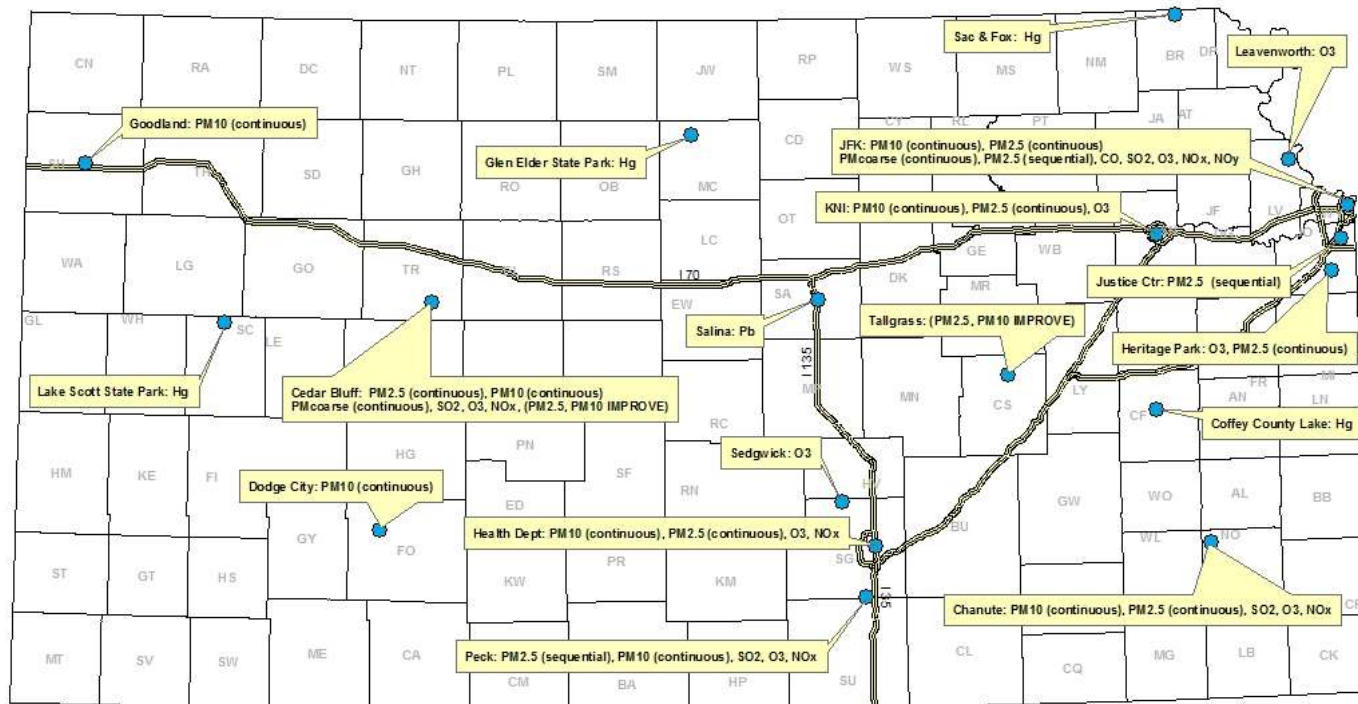


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Monitoring Activities

- Salina Pb (lead) – Site relocation
 - Primary and Sequential sampling efforts will continue in the immediate area, but the site was relocated approximately 90 meters east of the current location in Salina, KS
- Glenn and Pawnee (Wichita) (PM₁₀ & PM_{2.5})
 - Site closed due to redundancy and major monitor failure
- Justice Center (Kansas City)
 - Filter-based PM_{2.5} monitor has reach end of technical support from manufacturer in 2018
 - Will continue to operate site until monitor ceases operation
- Low Cost Monitors
 - Conducting a long term (year) evaluation of three low cost “Purple Air” PM_{2.5} monitors at KNI Topeka site to test durability and operations under differing meteorological conditions
- Submitted and received approval for the 2019-20 Air Monitoring Network plan from EPA

2019 Kansas Air Monitoring Sites





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Volkswagen Settlement – Kansas Plan

Table 2. Initial spending plan breakout – Kansas

Eligible Category	Description	Potential Amount
1. DERA Option	- Early School Bus Replacements/idling technologies - Non-road equipment replacement or engine replacements	\$4,000,000
2. EV Charging infrastructure	15 percent of allocation for Kansas used for increasing access to electric vehicle charging infrastructure	\$2,349,335.82
3. On-road - Classes 4 through 8	Vehicle replacements or engine replacements of government and non-government owned fleet vehicles	\$5,000,000
4. Freight Switcher	Engine replacement on pre-Tier 4 locomotives that operate 1000 or more hours per year.	\$4,000,000
5. Other/TBD, based on demand	- Airport Ground Support - Forklifts and Port Cargo Handling Equipment	\$312,902.98
TOTAL = \$15,662,238.80		



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Planning/Regulations Activities

- Volkswagen Settlement
 - Volkswagen Funds were established as a line item in the FY2020 state budget
 - Late Summer/early Fall - First funding withdrawal requests from Trustee for State DERA school bus projects
 - Second State DERA round will include school buses and off-road construction equipment
- Revenue Stabilization Project
 - Have held multiple stakeholder meetings with both Class I and Class II sources
 - \$150/ton HAP Fee, \$53/ton Criteria Fee + 1.50% yearly adjustment, "Complexity" Base Fee
- Regional Haze Planning Activities – SIP due 2021
 - CenSARA completed "Area of Interest" Modeling
 - Reviewing EPA's Revised Guidance and waiting on Future Year Modeling (2028)
 - National Meeting October 28-30 in Saint Louis



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- Regulatory Updates
 - K.A.R. 28-19-300 and K.A.R. 28-19-304 Construction Permits and Fees
 - Approved October 3, 2018 in Federal Register, effective Nov. 2, 2018
 - K.A.R. 28-19-720 – Adopts up to July 1, 2017 NSPS
 - Approved By Attorney General
 - K.A.R. 28-19-735, 28-19-750, & 28-19-750a – Adopts up to July 1, 2017 NESHAP, MACT & SOCM Standards
 - In Internal Concurrence then External Review
- USEPA Region 7 Pending Approval:
 - K.A.R. 28-19-350 PSD Ethanol Rule Revision
 - K.A.R. 28-19-11 Enforcement discretion due to SSM
 - 2015 Ozone Standard Infrastructure State Implementation Plan (I-SIP)
- 2010 SO₂ “Good Neighbor” Portion of I-SIP submitted to EPA for preliminary review



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Thank you/Questions



Protect and improve the health and environment of all Kansans