



# Air & Waste Management Association Presentation

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February 26, 2018



# FY18-22 Transformation Strategy



Agency Priority Goal (APG)

## Strategic Measures (FY18-22)

- Reduce number of non-attainment areas from 166 to 101 (2019 APG = 138)
- Reduce number of community water systems out of compliance with health-based standards from 3,600 to 2,700
- Increase by \$40 billion the non-federal dollars leveraged by EPA water infrastructure finance programs (2019 APG = increase by \$16 billion)
- Reduce number of square miles of watershed with surface water not meeting standards by 37,000 square miles
- Make 255 additional Superfund sites Ready for Anticipated Use (RAU) (2019 APG = 102 additional)
- Make 3,420 additional Brownfields sites RAU (2019 APG = 1,368 additional)
- Make 536 additional Resource Conservation and Recovery Act (RCRA) corrective action facilities RAU
- Complete 56,000 additional Leaking Underground Storage Tank (LUST) cleanups that meet risk-based standards
- Complete all EPA-initiated Toxic Substances Control Act (TSCA) risk evaluations for existing chemicals in accordance with statutory timelines (2019 APG = 100%)
- Complete all TSCA risk management actions for existing chemicals in accordance with statutory timelines (2019 APG = 100%)
- Complete all TSCA pre-manufacture notice final determinations in accordance with statutory timelines (2019 APG = 80%)
- Complete all cases of Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)-mandated decisions for the pesticides registration review program
- Reduce Pesticide Registration Improvement Act (PRIA) registration decision timeframe by an average of 60 days
- Increase number of grant commitments achieved by states, tribes, and local communities
- Increase use of alternative shared governance approaches to address state, tribal, and local community reviews
- Eliminate backlog and meet statutory deadlines for responding to Freedom of Information Act (FOIA) requests




## SO2 Nonattainment Areas (2010 Standard)

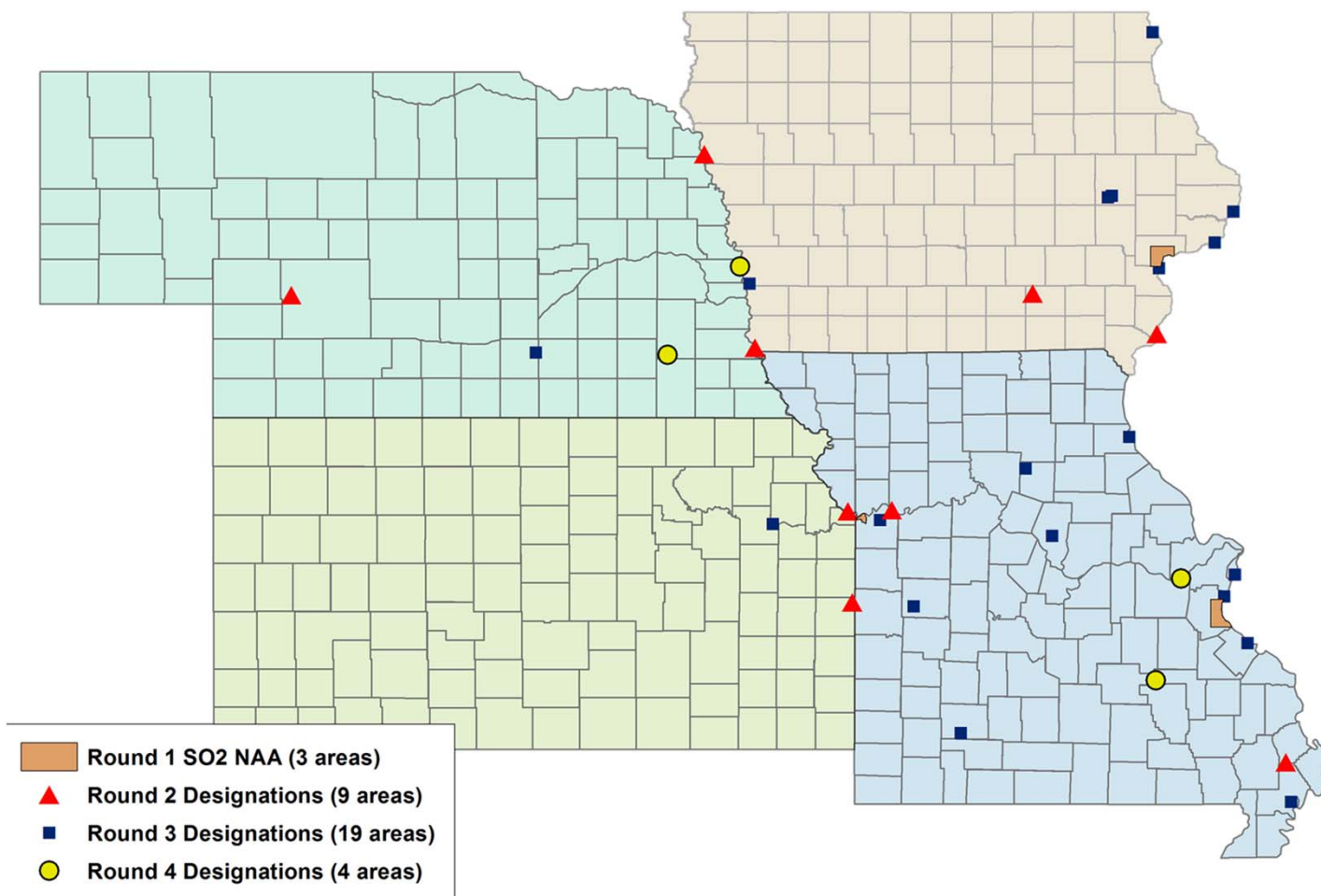


12/31/2017

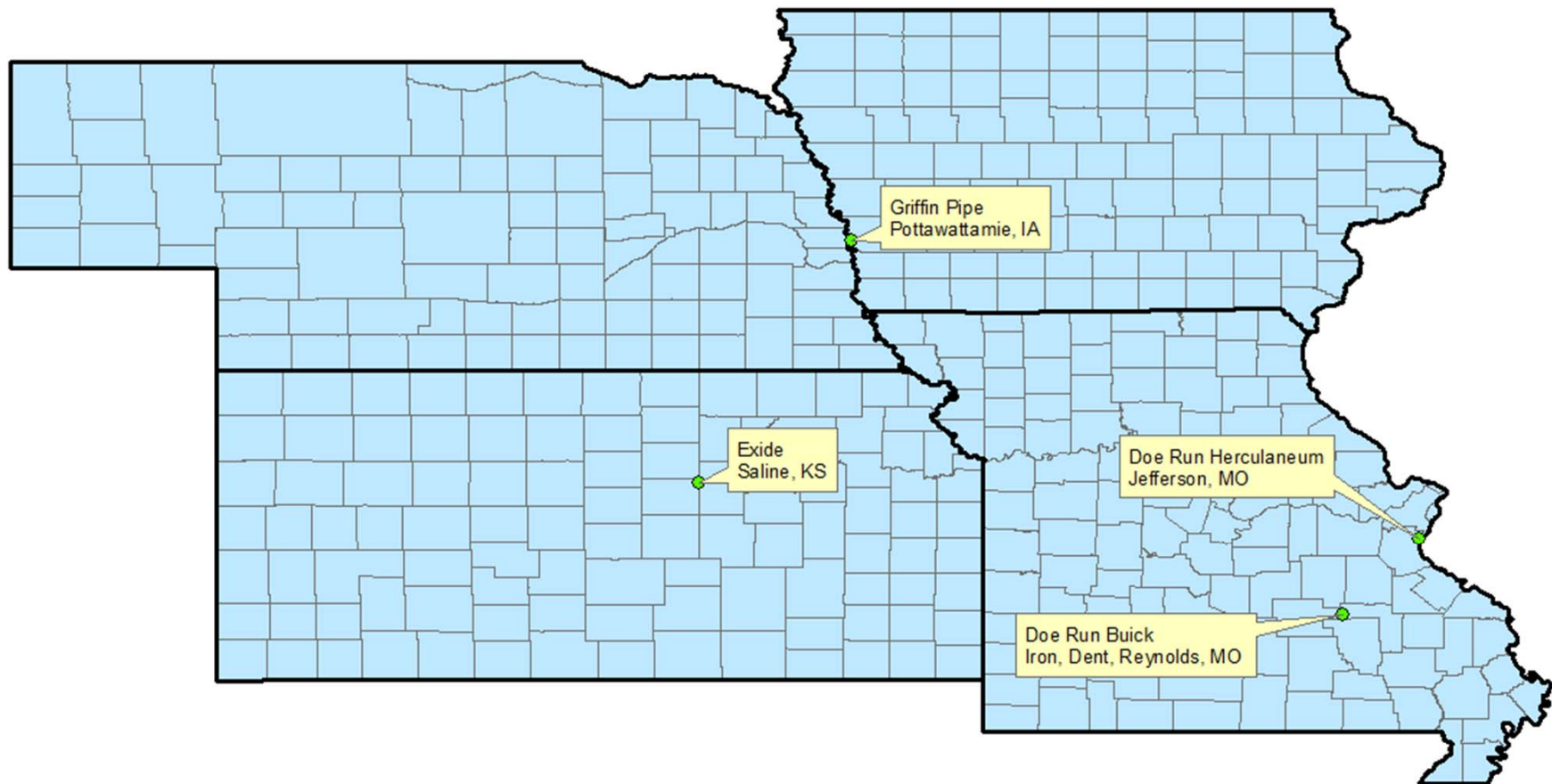
Nonattainment areas are indicated by color. When only a portion of a county is shown in color, it indicates that only that part of the county is within a nonattainment area boundary.

 SO2 Nonattainment Areas

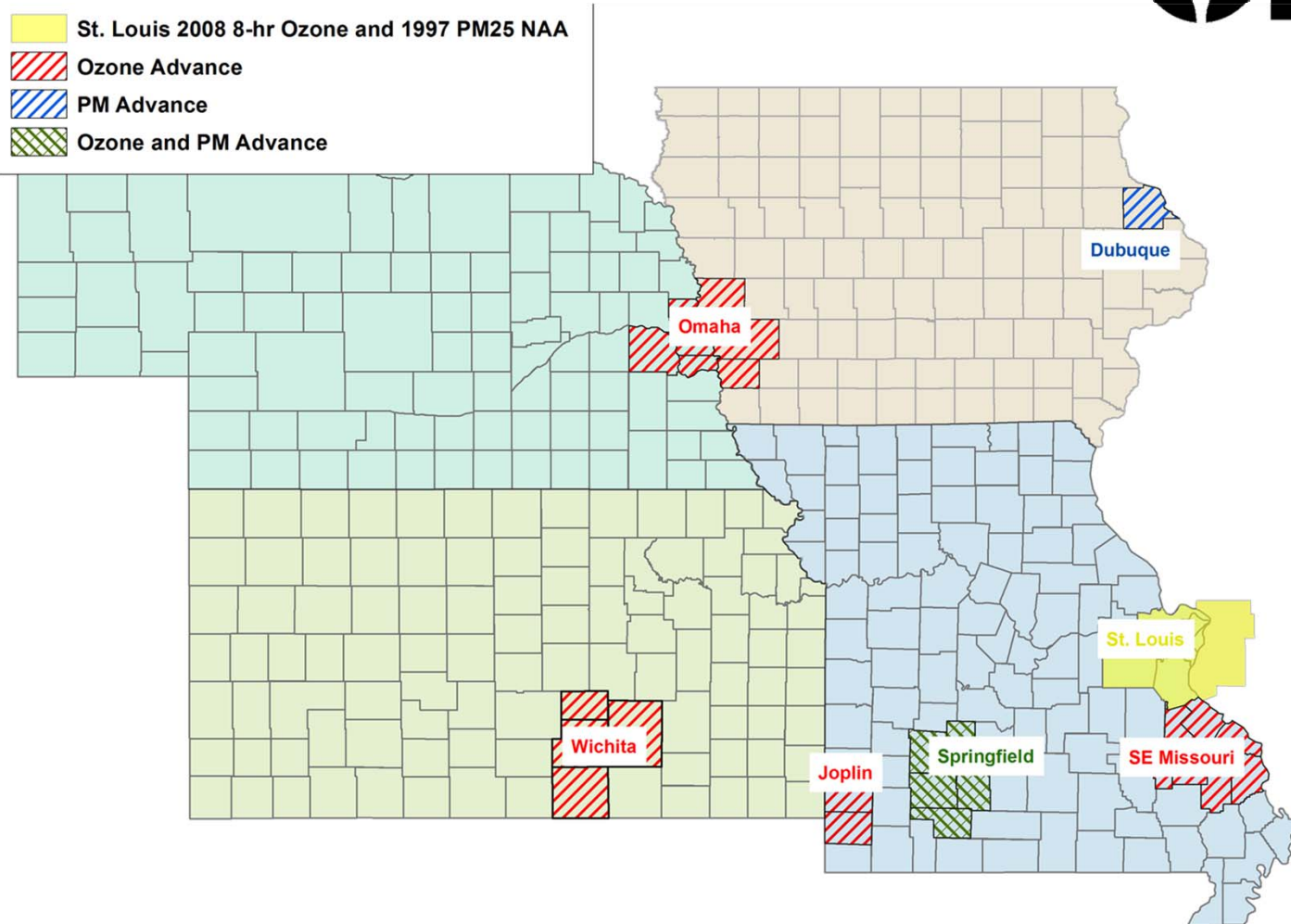
# R7 SO<sub>2</sub> NAAQS Designations



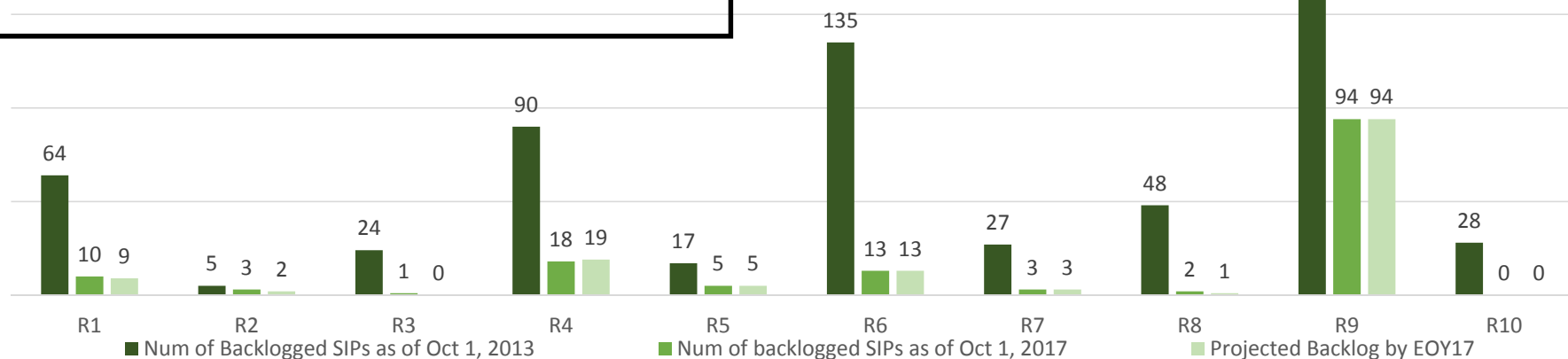
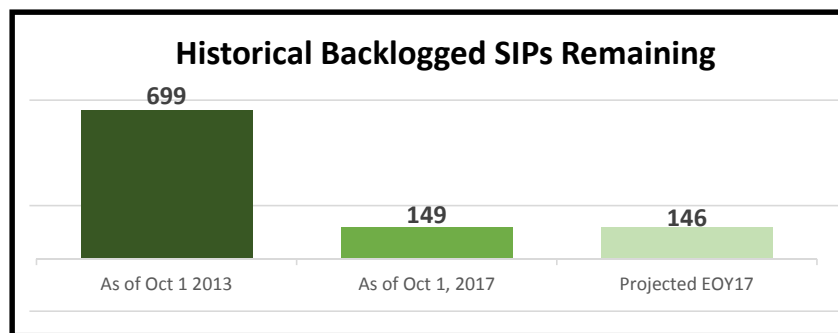
# Lead Nonattainment



# Ozone and PM and Advance Areas

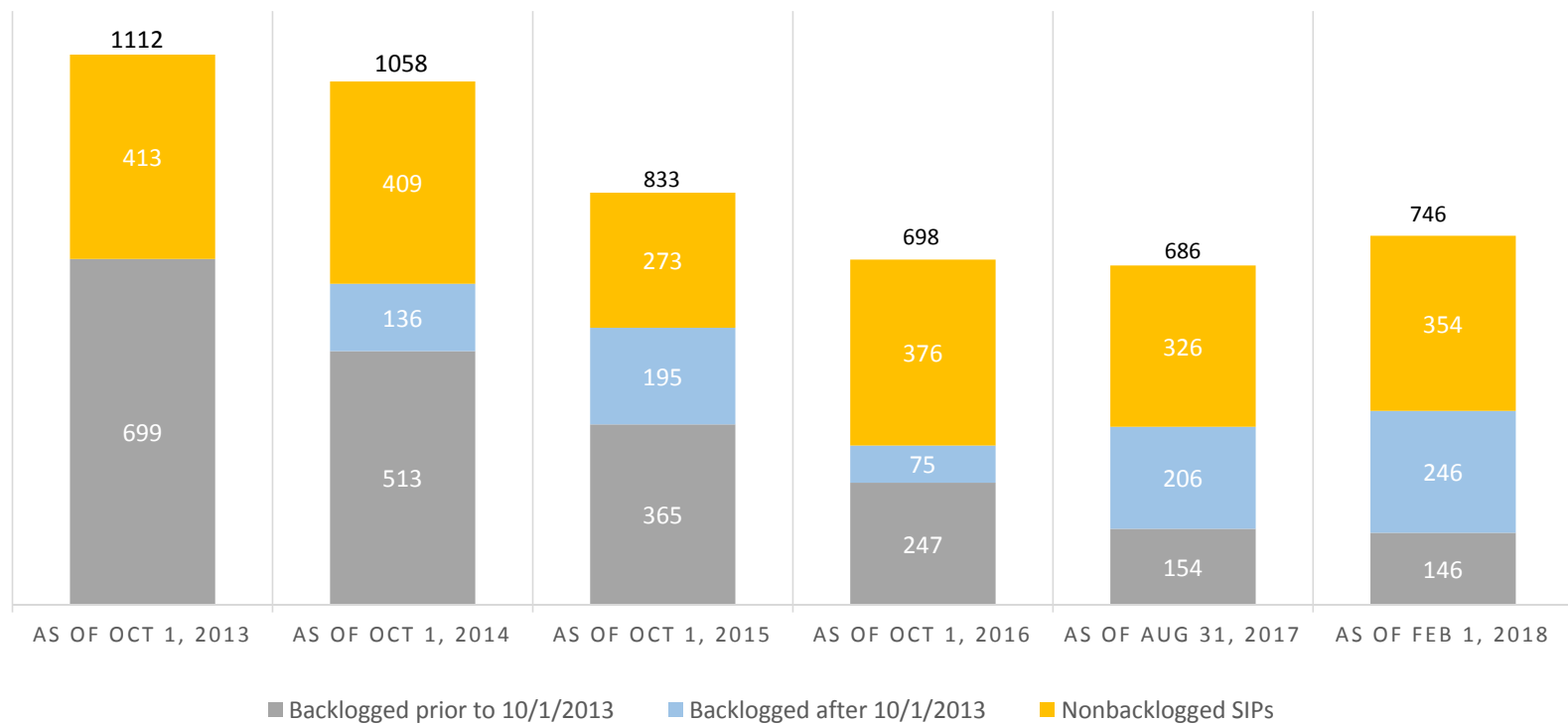


# Clearing the Historical SIP Backlog by 2017





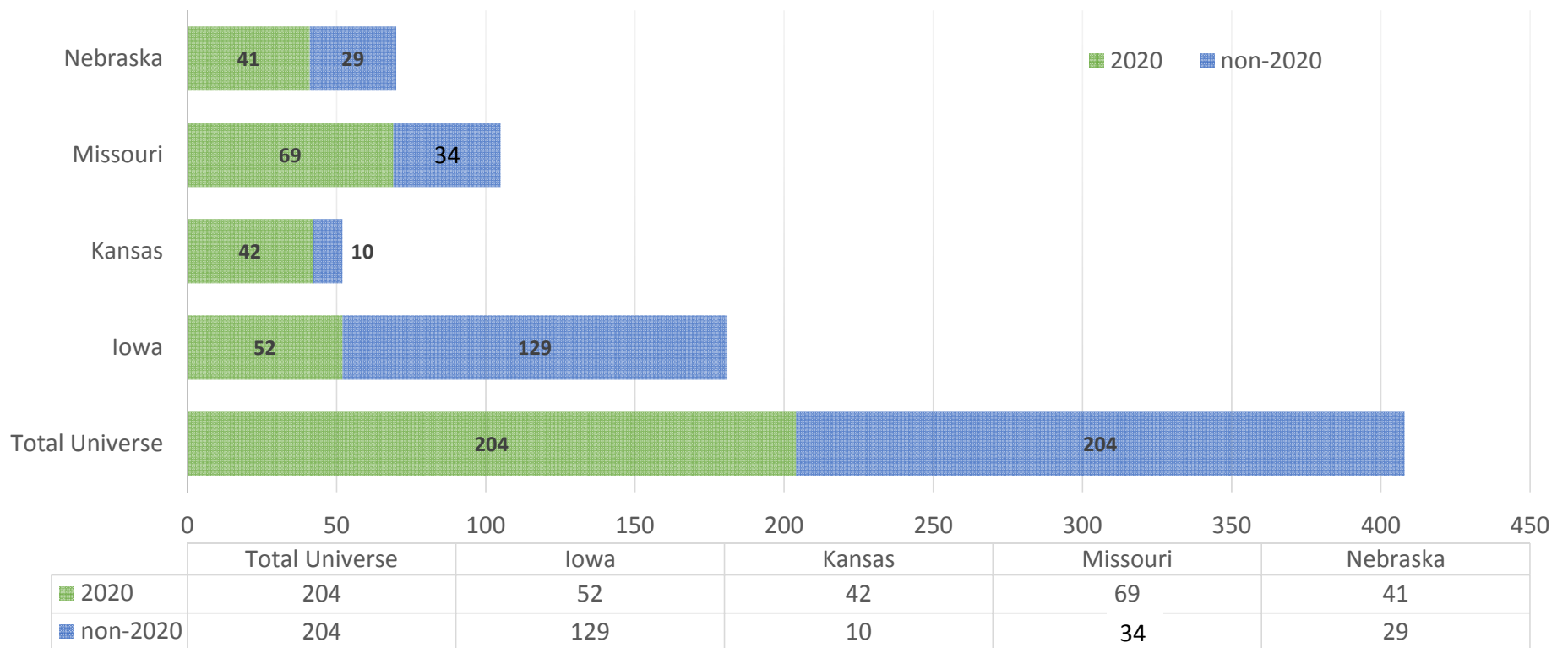
# Trends in Active SIPs



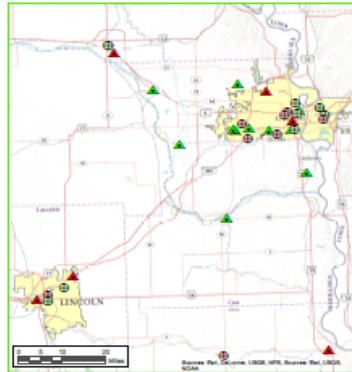


# RCRA Corrective Action

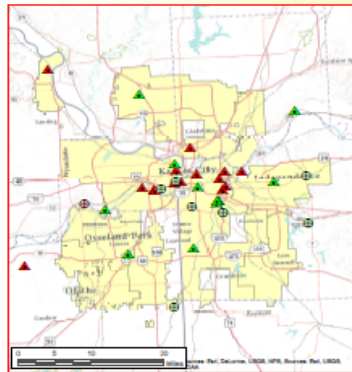
# R7 RCRA Sites 2020 & Non-2020 Universe



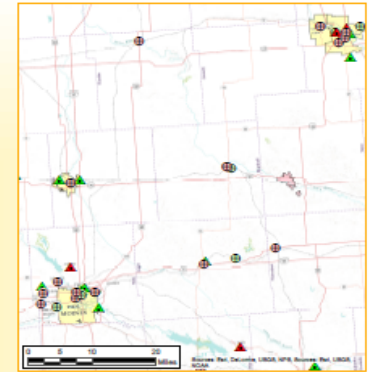
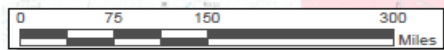
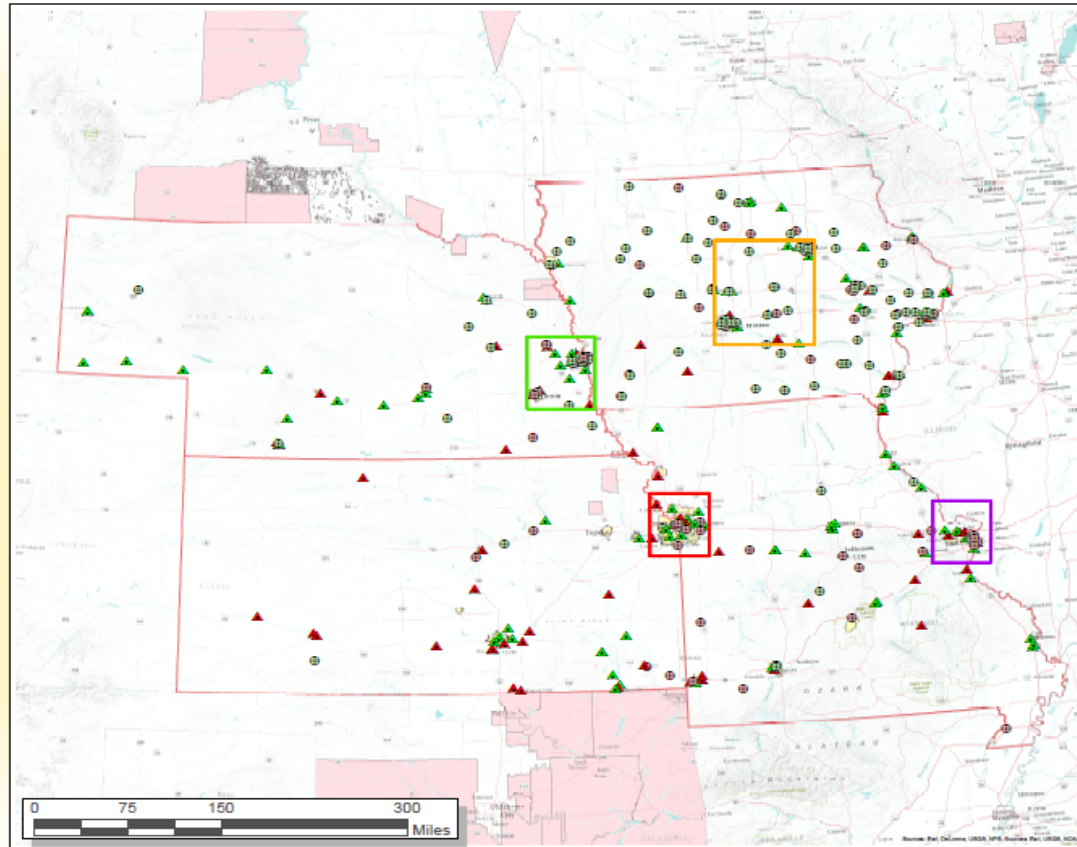
# Region 7 RCRA Corrective Action Universe



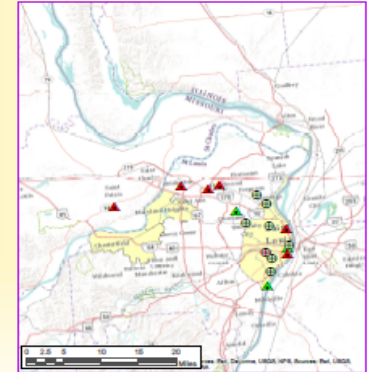
Omaha/Lincoln Metro Areas



Kansas City Metro Area



Des Moines/Waterloo Metro Areas



St. Louis Metro Area



EPA Region 7

**2020 Universe (204)**

- ▲ Remediation Constructed (CASSD Achieved) (126)
- ▲ Remediation Constructed Not Achieved (78)

**Non-2020 Universe (202)**

- ⊕ Remediation Constructed (CASSD Achieved) (120)
- ⊙ Remediation Constructed Not Achieved (82)

- City Boundary
- Region 7 State Boundaries
- Tribal Nations

Notes: Data updated in November 2017.

Authority Effective Dates:

- IA – Not Authorized
- KS – 9/20/13
- MO – 7/8/99
- NE – 1/17/17



# Rule of Law and Process, & Reform Plan



- Reduce average time from violation identification to correction
- Increase environmental law compliance rate  
(2019 APG = reduce Clean Water Act National Pollutant Discharge Elimination System (NPDES) permittees in significant noncompliance with their permit limits from 24% to 21%)
- Meet 100% of legal deadlines imposed on EPA
- Eliminate unnecessary or duplicative reporting burdens to the regulated community by 10,000,000 hours
- Increase number of research products meeting customer needs
- Reach all permitting-related decisions within 6 months  
(2019 APG = Reduce by 50% those exceeding 6 months)
- Reduce unused office and warehouse space by 850,641 square feet
- Reduce procurement processing times by achieving 100% of procurement action lead times
- Improve 250 operational processes
- Increase enterprise adoption of shared services by four

## Reform Plan Priority Areas (FY19-22)

- Eliminating the State Implementation Plan (SIP) backlog
- Tailoring state oversight
- Examining EPA field presence
- Increasing flexibility in state and tribal assistance
- Maximizing infrastructure investments
- Speeding up FOIA responses
- Reducing unnecessary industry reporting burden
- Improving management of EPA laboratories
- Speeding up environmental permitting
- Speeding up the EPA acquisition process
- Enhancing Human Resource shared services centers

## What is a “Lean Management System”?

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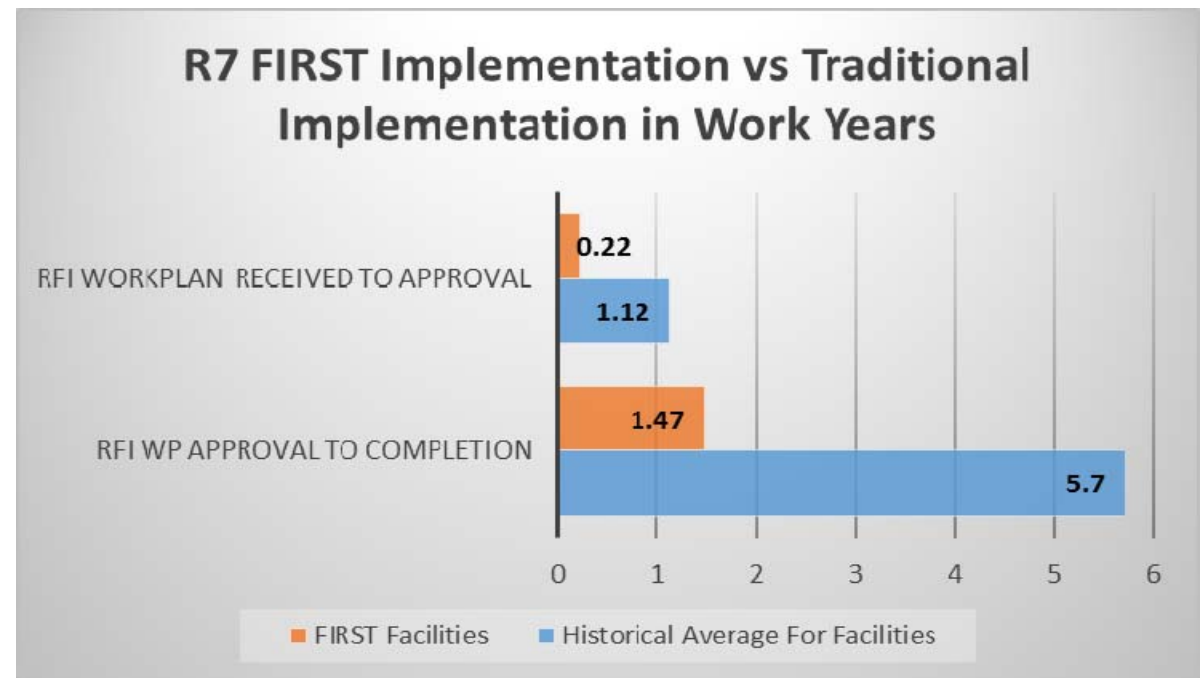


- Intentional means of continuous improvement through identification and solving of problems at the level closest to the work
- Based on respect for the people doing the work
- Seeks to create accountability to process without blame of people
- Seeks to sustain gains from improvement efforts (kaizen)
- Seeks to emphasize developing and adhering to standard process instead of “heroes”
- Solves small problems before they become big problems

# RCRA FIRST Implementation Working in R7



- 80% reduction in work years from when RFI workplan received to approval (1.12 years to 0.22 years)
- 75% reduction in work years from RFI workplan approval to RFI completion (5.7 years to 1.47 years)



# Muscatine, IA: R7 Best Practice Approach



## Background (population 22,800)

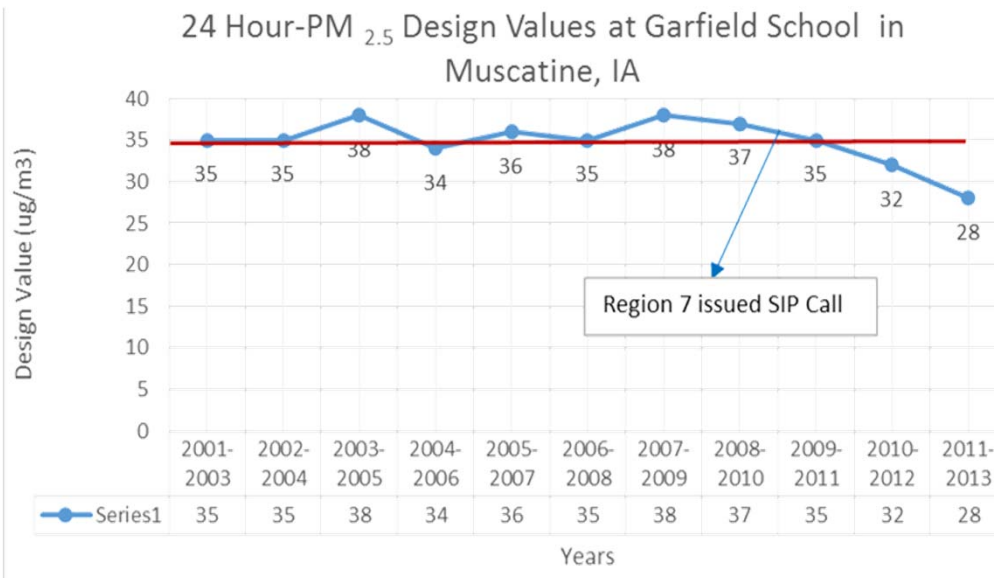
- Violating monitor for SO<sub>2</sub> and PM<sub>2.5</sub> This area was featured in NPR's "Poisoned Places" Series
- **EPA Issued SIP Call in 2011 for violations of the 24-hour PM 2.5 NAAQS**
- Most significant source is Grain Processing Corporation (GPC)-- a wet-corn milling operation that manufactures ethanol and corn byproducts. Large local employer
- EPA engaged local community, environmental groups, and industry stakeholders in 2012

## Traditional Approach

- SIP requires attainment of 24-hour PM NAAQS by 2018
- Statutory deadline for action is 18 months and Region 7 averages 24 months to process SIPs
- Reduction from 1 pollutant per plan (SO<sub>2</sub> nonattainment SIP was due in 2015 and attainment required in 2018.)

## Lean Approach

- Area is attaining the 24-hour PM NAAQS earlier than SIP required (2018) & no violations of annual PM standard
- Region 7 took final action in 9 months. A 50% reduction in processing time.
- Reduction of 6 pollutants in one plan
- SO<sub>2</sub> values have plummeted, and in 2018 we expect the area will attain the standard close to a year before the attainment date



### *How did we do this?*

1. Solid partnership and clear expectations with the state
2. Involved with control strategy negotiations – emission reduction early
3. Collaborated on the development of the SIP
4. Strong community engagement

# P2 Awards



## Pollution Prevention Award Program IA, KS, MO, NE

Pollution Prevention (P2) has been a very successful, non-regulatory approach to

- \* Conserve energy
- \* Water
- \* Reduce the use of toxic materials
- \* Save money

If you are a business, industry, tribe or nonprofit, consider applying for a non-monetary Pollution Prevention Award.

Submit applications @ [epa.gov/ks/forms/p2-awards](https://epa.gov/ks/forms/p2-awards)  
Now until March 2, 2018



*Awards will be presented at the Midwest Environmental Compliance Conference, April 11, 2018, at the Kansas City Convention Center.*

