

Welcome to CAAAC. Thanks for attending!

Today's Agenda :

- 1) Welcome and Introductions
- 2) Air Quality Bureau Updates
 - Environmental Quality Council Review of Program
 - Planning and Regulatory Topics
 - 2016 Wildfire Season in Review
- 3) Bureau Projects
 - Updates to the *Today's Air* Website
 - Oil and Gas Production Regulatory Review
 - Regional Haze Program Implementation in Montana
 - Permitting Program Improvement Project
- 4) Questions and Feedback





Welcome and Introductions

Dave Klemp
Air Quality Bureau
Bureau Chief

Annette Williams
Technical Support Services
Program
Program Manager

Hoby Rash
Air Permitting and Compliance
Assistance Program
Program Manager

Liz Ulrich
Analysis & Planning
Supervisor

Stephen Coe
Planning Engineer PE

Rebecca Harbage
Analysis & Planning
Specialist

Julie Ackerlund
Analysis & Planning
Specialist

Kristen Martin
Air Quality Meteorologist

Cyra Cain
Atmospheric Science
Specialist

Joe Ugorowski
QA Specialist

Analysis & Planning

Eric Dahlgren
Systems Analyst
Lead Worker

Nancy Davis
Database Analyst

Debbie Linkenbach
Data Control Specialist

Anita Pisarsky
Systems Analyst

Data Management

Doug Kuenzli
Research & Monitoring
Supervisor

Steven Zehntner
Lead Air Monitoring
Scientist

David Simonson
Air Monitoring Scientist

Brandon McGuire
Air Monitoring Scientist

Casey Redder
Air Monitoring Scientist

Joe Ford
Air Monitoring Scientist

Alan Stagl
Part Time
Sidney, MT

Research & Monitoring

Barb Williams
Administrative Support
Supervisor

Deb Sutliff
Administrative Assistant

Leah Hedalen
Administrative Assistant

Denise Hansen
Administrative Assistant

Administrative Support

Julie Merkel
Air Permitting Services
Supervisor

Ed Warner
Lead Air Permitting
Engineer

Craig Henrikson
Air Permitting Engr P.E.

Shawn Juers
Air Permitting Engineer

Rhonda Payne
Air Permitting Scientist

John Proulx
Air Permitting Scientist

Loni Patterson
Air Permitting Engineer

Permitting Services

Dave Aguirre
Air Oil & Gas Services
Supervisor

Eileen Steilman
Lead Air O & G Engineer

Whitney Jurenic
Air O & G Engineer

Meghan Chapple
Air O & G Scientist

Sarah Lamborn
Air O & G Scientist

Chris Green
Air O & G Scientist

Shyla Allred
Student Intern

Oil and Gas Services

Dan Walsh
Field Services
Supervisor

Karen Wilson
Sr. Air Compliance
Scientist

Mark Peterson
Air Compl. Engineer PE

Roger Godfrey
Sr. Air Compliance
Scientist

Linda Winn
Air Compliance Engineer

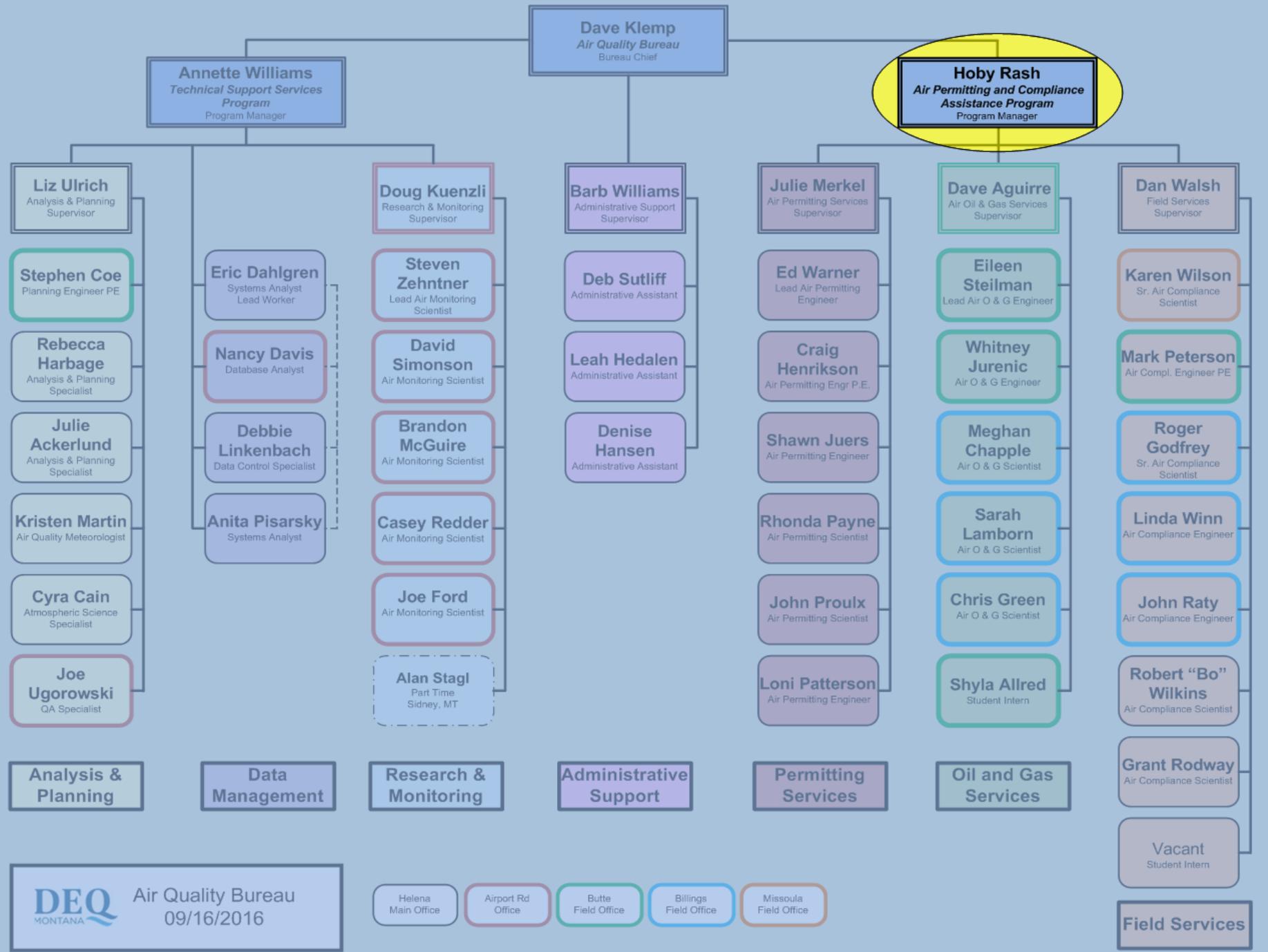
John Raty
Air Compliance Engineer

Robert "Bo" Wilkins
Air Compliance Scientist

Grant Rodway
Air Compliance Scientist

Vacant
Student Intern

Field Services



Air Quality Info

[Air Quality Links & DEQ Publications](#) >

[Air Monitoring](#) >

[Air Permitting & Compliance Assistance](#) >

[Air Quality Analysis & Planning](#) >

Clean Air Act Advisory Committee (CAAAC)

The Clean Air Act Advisory Committee (CAAAC) is a stakeholder advisory group formed to enhance communication between the Montana Department of Environmental Quality (DEQ) and a diverse range of air quality stakeholders by developing working relationships centered on a two-way exchange of information. CAAAC advises DEQ on a wide range of air quality issues not limited to establishment and implementation of laws and rules; program funding; compliance assistance; and regional air quality issues, impacts, and challenges. Through regular meetings and email correspondence, DEQ presents information to and solicits feedback from members of CAAAC.

[CAAAC Meeting 9/27/16](#)
[Meeting Agenda](#)

[CAAAC Meeting 5/26/16](#)



[Meeting Agenda](#)

[Presentation Slides](#)

[Incorporation by Reference Table](#)

[Activity Guidelines for Wildfire Smoke Events](#)

Staff Contact

Air Quality Bureau

(406) 444-3490 

[Air Quality Bureau 2016 Org Chart](#) 



Please Introduce
Yourself

New Air Quality Staff !!





Bureau Updates

Dave Klemp
Air Quality Bureau
Bureau Chief

Annette Williams
Technical Support Services
Program
Program Manager

Hoby Rash
Air Permitting and Compliance
Assistance Program
Program Manager

Liz Ulrich
Analysis & Planning
Supervisor

Stephen Coe
Planning Engineer PE

Rebecca Harbage
Analysis & Planning
Specialist

Julie Ackerlund
Analysis & Planning
Specialist

Kristen Martin
Air Quality Meteorologist

Cyra Cain
Atmospheric Science
Specialist

Joe Ugorowski
QA Specialist

Analysis & Planning

DEQ MONTANA Air Quality Bureau
09/16/2016

Doug Kuenzli
Research & Monitoring
Supervisor

Steven Zehntner
Lead Air Monitoring
Scientist

David Simonon

Brandon McGuire
Air Monitoring Scientist

Casey Redder
Air Monitoring Scientist

Joe Ford
Air Monitoring Scientist

Alan Stagl
Part Time
Sidney, MT

Research & Monitoring

Barb Williams
Administrative Support
Supervisor

Deb Sutliff
Administrative Assistant

Leah Herdman

Denise Hansen
Administrative Assistant

Administrative Support

Julie Merkel
Air Permitting Services
Supervisor

Ed Warner
Lead Air Permitting
Engineer

Craig Hanks

Shawn Juers
Air Permitting Engineer

Rhonda Payne
Air Permitting Scientist

John Proulx
Air Permitting Scientist

Loni Patterson
Air Permitting Engineer

Permitting Services

Dave Aguirre
Air Oil & Gas Services
Supervisor

Eileen Steilman
Lead Air O & G Engineer

Whitney Juronic

Meghan Chapple
Air O & G Scientist

Sarah Lamborn
Air O & G Scientist

Chris Green
Air O & G Scientist

Shyla Allred
Student Intern

Oil and Gas Services

Dan Walsh
Field Services
Supervisor

Karen Wilson
Sr. Air Compliance
Scientist

Mark Peterson
Air Compl. Engineer PE

Roger Godfrey
Sr. Air Compliance
Scientist

Linda Winn
Air Compliance Engineer

John Raty
Air Compliance Engineer

Robert "Bo" Wilkins
Air Compliance Scientist

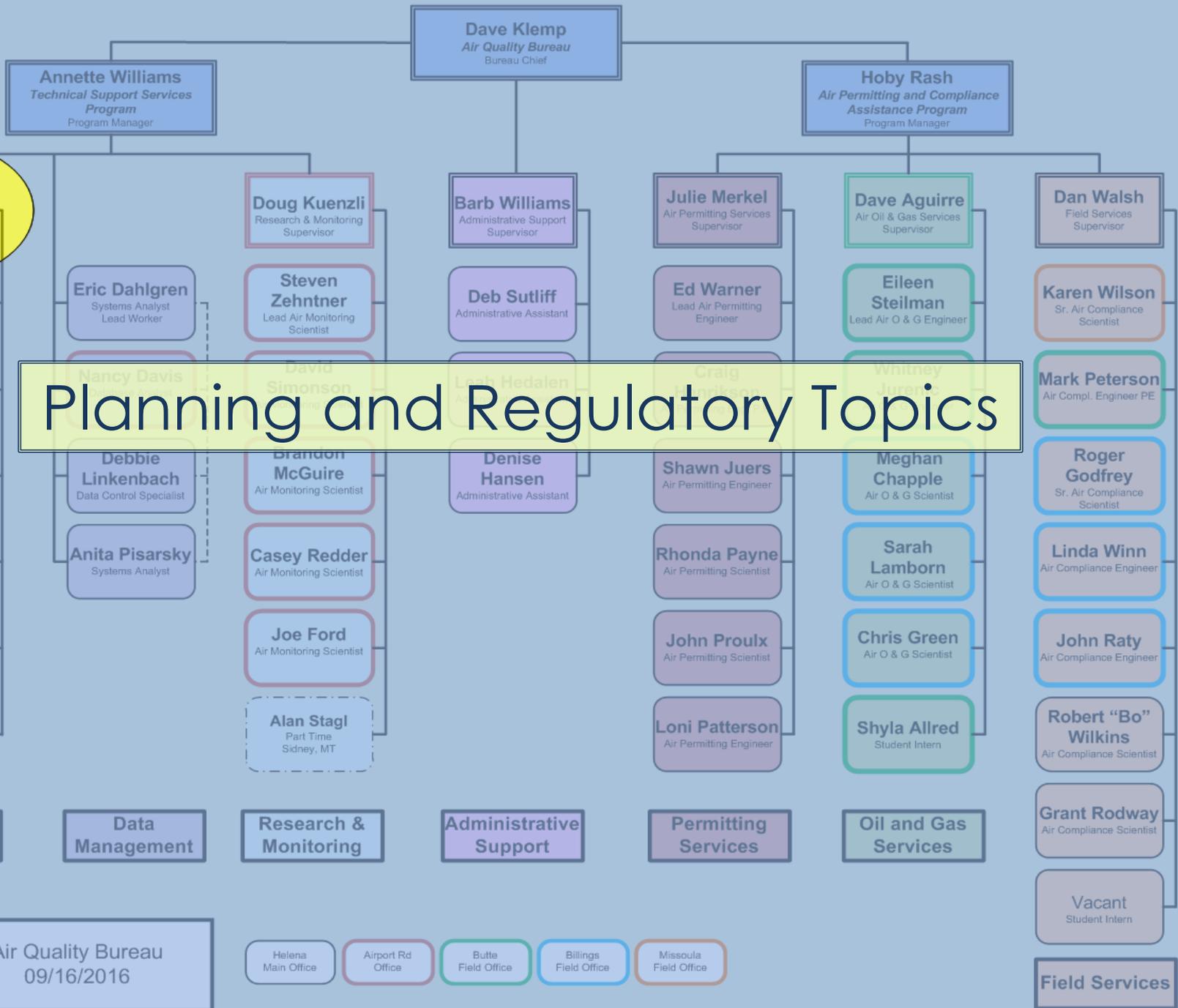
Grant Rodway
Air Compliance Scientist

Vacant
Student Intern

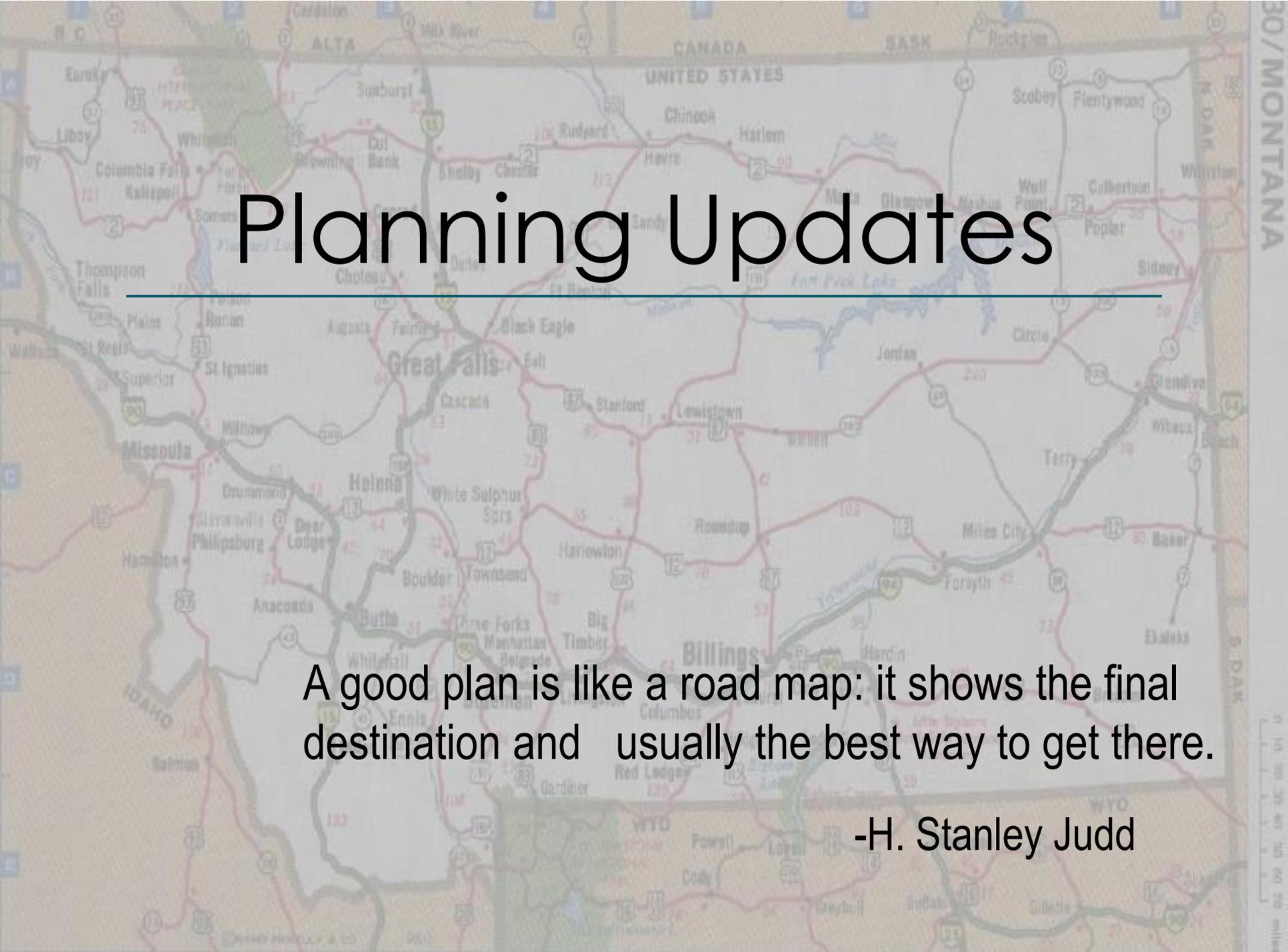
Field Services

- Helena Main Office
- Airport Rd Office
- Butte Field Office
- Billings Field Office
- Missoula Field Office

EQC Review of the Air Program



Planning and Regulatory Topics



Planning Updates

A good plan is like a road map: it shows the final destination and usually the best way to get there.

-H. Stanley Judd

Board of Environmental Review

September 30, 2016

2015 IBR

Incorporation By Reference = Montana incorporates changes to federal regulations, state statutes and rules into the Administrative Rules of Montana

Fee Report

Annual review of air quality permit fees which are anticipated for the next calendar year

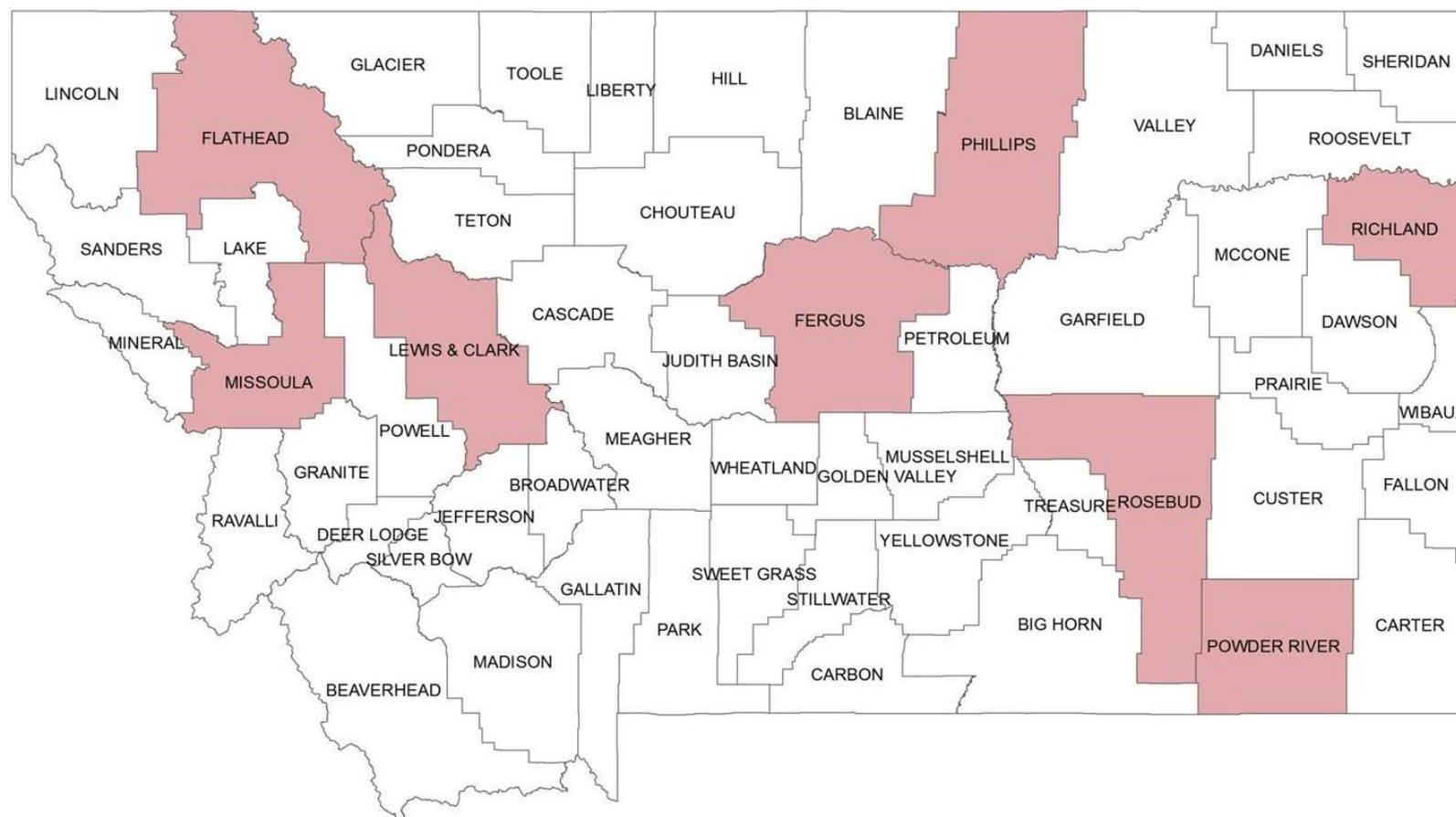
Montana Nonattainment Areas

Community	Pollutant	Standard Violated	Non-Attainment	Attainment/Maintenance
Laurel	Sulfur Dioxide	1971 (24-hr)	March 3, 1978	
East Helena	Sulfur Dioxide	1971 (24-hr)	November 15, 1990	
Billings	Sulfur Dioxide	2010 (1-hr)		June 09, 2016
Libby	Particulate (PM-2.5)	1997 (Annual)	April 5, 2005	
Kalispell	Particulate (PM-10)	1987 (24-hr)	November 15, 1990	
Columbia Falls	Particulate (PM-10)	1987 (24-hr)	November 15, 1990	
Whitefish	Particulate (PM-10)	1987 (24-hr)	October 19, 1993	
Libby	Particulate (PM-10)	1987 (24-hr)	November 15, 1990	
Missoula	Particulate (PM-10)	1987 (24-hr)	November 15, 1990	
Thompson Falls	Particulate (PM-10)	1987 (24-hr)	January 20, 1994	
Butte	Particulate (PM-10)	1987 (24-hr)	November 15, 1990	
Billings	Carbon Monoxide	1971 (8-hour)		April 22, 2002
Great Falls	Carbon Monoxide	1971 (8-hour)		July 8, 2002
Missoula	Carbon Monoxide	1971 (8-hour)		September 17, 2007
East Helena	Lead	1978 (Calendar Quarter)	January 6, 1992	

Designations

Ozone

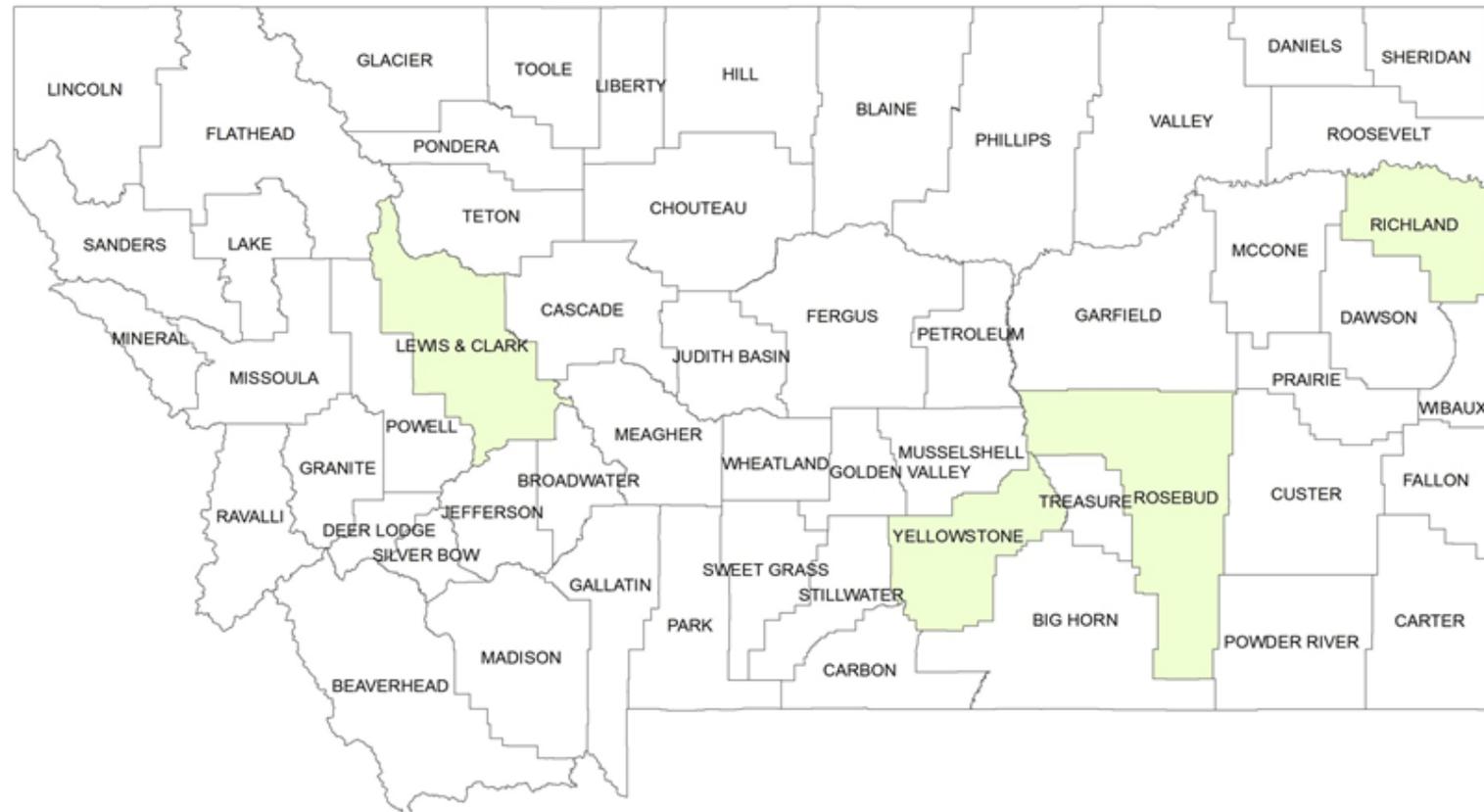
- 2015 Revised 8-hour Ozone National Ambient Air Quality Standard
- Submitted to EPA



Designations

Sulfur Dioxide

- 2010 Revised 1-hour Sulfur Dioxide National Ambient Air Quality Standard
- Will be noticed for public comment in October



Regulations coming your way...



82

Pb

207.2

Lead



2016 Wildfire Season in Review





2016 WILDFIRE SEASON IN REVIEW

KRISTEN MARTIN

2016 Montana Overview

95,125 acres burned in the state

108 flagged events

7 days \geq NAAQS



The 24-hour $PM_{2.5}$ NAAQS is $35 \mu g/m^3$.



Flagged events become part of the **Exceptional Events** package.

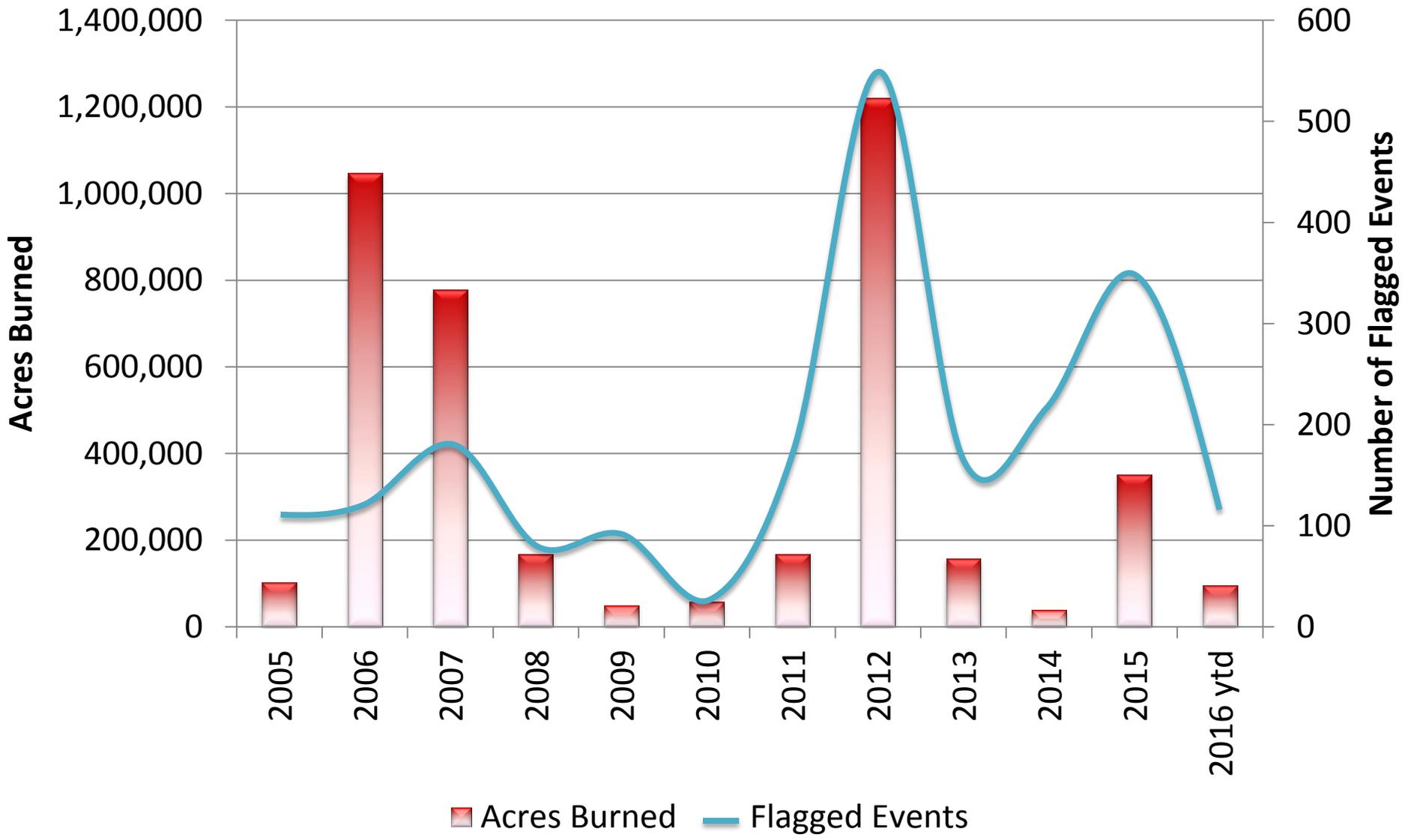


A wildfire **flagged event** is one in which $PM_{2.5}$ values were impacted by wildfires.

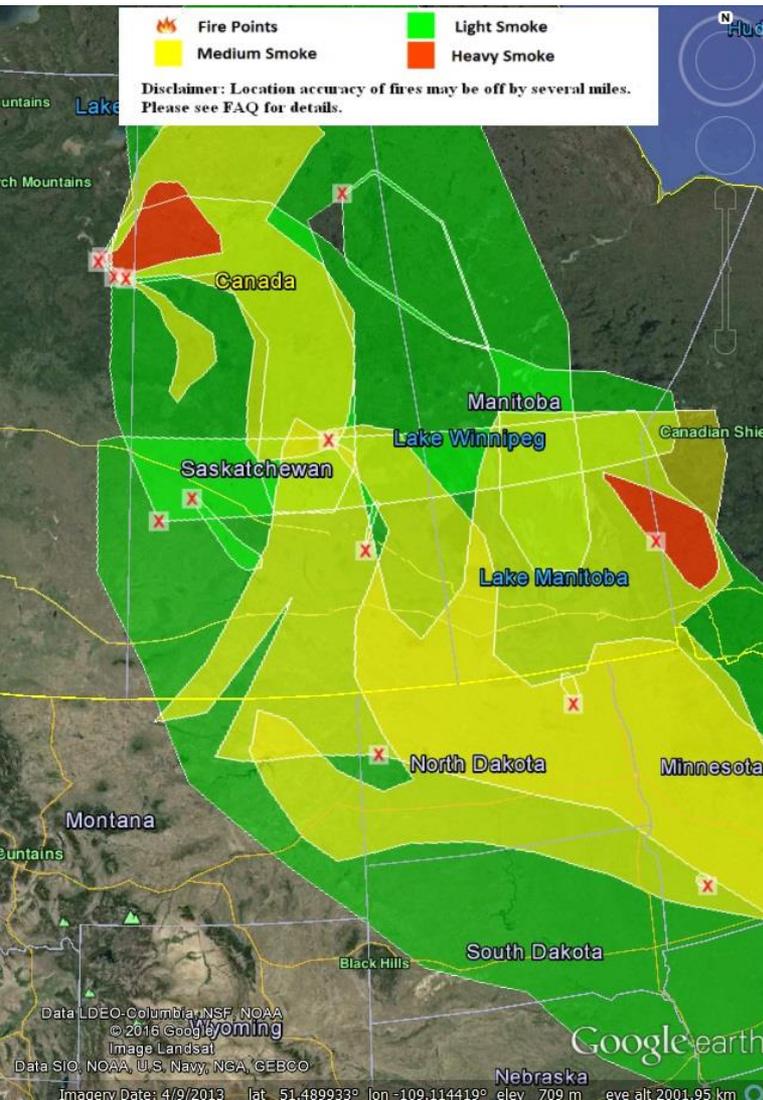


Exceptional Events are those considered **not reasonable controllable or preventable**.

2005-2016 Fire in Montana



May



- Fort McMurray Fire
 - Northeast Alberta
 - 1.5 million acres
- Smoke impacted eastern Montana

June



- Generally clean air with frequent precipitation and cool temperatures
- Isolated fires impacting Hamilton and Broadus
- No days above NAAQS
- Observation Fire
 - 10 miles SW of Hamilton
 - 1,422 acres

June							
28	29	30	31	4	5	6	7
6	7	8	8	8	7	8	
4	2	3	3	2	5	3	
4	2	5	5	4	6	4	
4	4	4	8	7	8	1	
2	3	4	5	6	7	8	
S	S	M	T	W	T	F	

Helena Daily
PM_{2.5}

July & August



- Good ... until the last weekend of July
- Roaring Lion Fire – July 31st, 2016
 - 8,658 acres
 - 5 miles SW of Hamilton, MT

Hamilton Daily
PM_{2.5}

July							August						
25	26	27	28	29	30	10	30	31	63	40	15	31	40
8	3	6	4	0	4	4	37	18	16	7	6	8	6
4	2	3	4	4	6	6	8	8	11	12	16	14	4
4	5	4	6	7	8	7	9	16	38	25	9	5	9
6			6	8	7	8	15	58	19	31	31	1	2
6	6	1	2	3	4	5	3	4	5	6	7	8	9
S	S	M	T	W	T	F	S	S	M	T	W	T	F

August



- Copper King Fire
 - 28,553 acres
 - 7 miles east of Thompson Falls
 - Significant impacts to Thompson Falls

Thompson Falls
Daily PM_{2.5}

August						
30	31					
Monitor installed on the 24 th						
				73	92	53
34	4	65	100	45	1	2
3	4	5	6	7	8	9
S	S	M	T	W	T	F

August & September



- Yellowstone National Park
 - Maple fire: 45,377 acres
 - 4 miles NNE of West Yellowstone
 - Periods of **hazardous** air quality in West Yellowstone

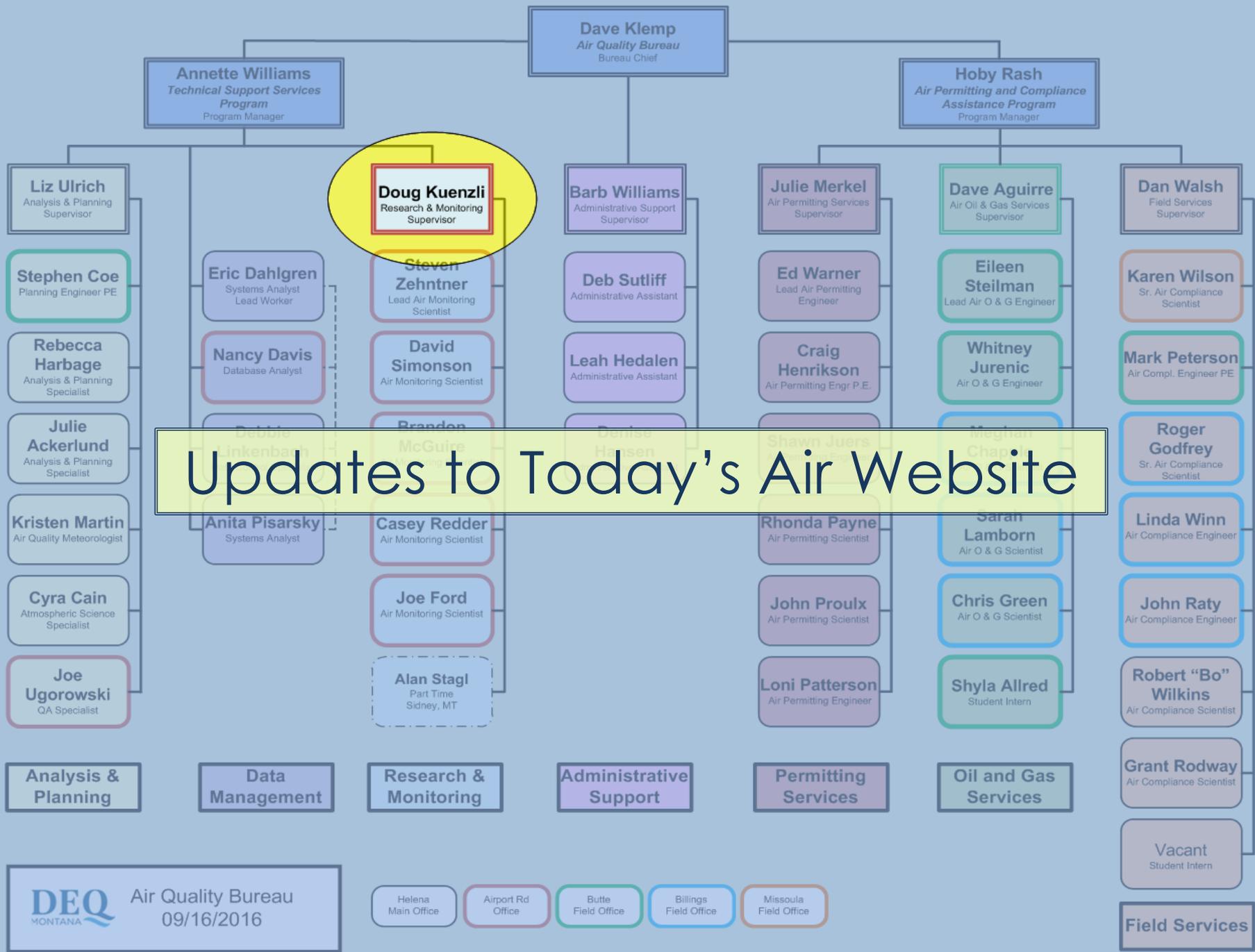
August						
30	31	17	13	10	8	9
11	13	7	7	4	9	8
8	15	18	29	38	36	17
				45	35	47
31	63	61	52	80	1	2
3	4	5	6	7	8	9
S	S	M	T	W	T	F

September						
27	28	29	30	31	45	7
9	11	4	6	4	4	10
36	184	38	15	5	7	
1	2	3	4	5	6	7
S	S	M	T	W	T	F

West Yellowstone
Daily PM_{2.5}



Bureau Projects



Updates to Today's Air Website

Today's Air Update Project

Presentation for the Montana Clean Air Act
Advisory Committee (CAAAC)

September 27, 2016

- ▶ Reported PM_{2.5} concentration values
- ▶ Exposure related health impact assessments
- ▶ Smoke & health information



Today's Air - Objective & Audience:

Provide technical data and health impact information

- ▶ Local and state environmental and public health agencies
- ▶ School officials
- ▶ General public

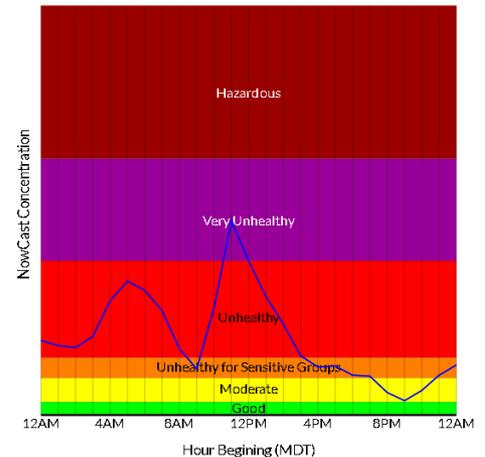
Hourly Data Table Interpretation

Health Effects Categories are based on 24-hour average particulate levels, adjusted to a time-weighted NowCast to provide a real time assessment of current air quality. More information about the NowCast method can be found [here](#).

Hour	1-Hour Avg	Hourly Data	
		Previous Day 9/25/2016	Next Day
000-100	13.2	9.5	
100-200	8.6	9.0	
200-300	8.9	8.9	
300-400	5.6	7.2	
400-500	1.8	4.5	
500-600	3.0	3.7	
600-700	2.1	2.9	
700-800	6.1	4.5	
800-900	5.5	4.9	
900-1000	15.3	10.1	
1000-1100	8.2	9.1	
1100-1200	1.7	5.4	
1200-1300	0.0	2.2	
1300-1400	0.0	0.9	
1400-1500	1.1	1.0	
1500-1600	2.1	1.5	
1600-1700	1.3	1.4	
1700-1800	2.7	2.0	
1800-1900	3.1	2.5	
1900-2000	4.7	3.6	
2000-2100	3.6	3.6	
2100-2200	6.5	4.9	
2200-2300	4.4	4.6	
2300-000	5.5	5.0	

All data in $\mu\text{g}/\text{m}^3$
 DU = Data Unavailable

NowCast Concentration Characterized by 24-Hour Health Effect Category



Comparison to NAAQS

24-hr Avg ₃ 75.3 $\mu\text{g}/\text{m}^3$	NAAQS ₃ 35 $\mu\text{g}/\text{m}^3$
---	---

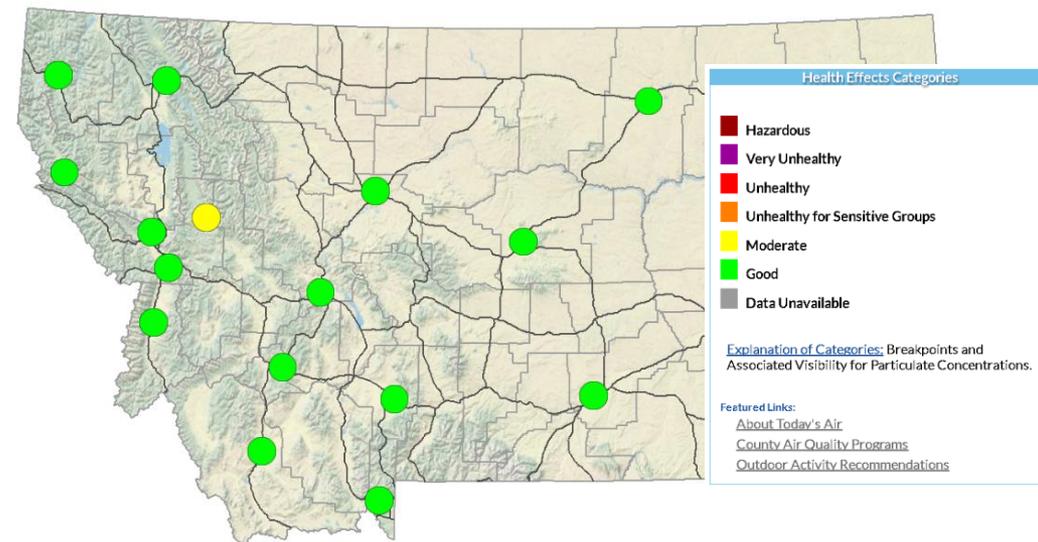
Informational only - [click here](#)

Today's Air Emphasis:

- ▶ Intuitive
- ▶ Easy to navigate
- ▶ Substantive
- ▶ Understandable

Health Effects Category by Air Monitoring Station

Based on the [EPA NowCast Averaging Method](#).
For 6:00 AM MDT to 7:00 AM MDT on 9/26/2016



Each dot on the map represents an air monitoring station, click on a dot for station specific data. The color of the dot is determined by the current local air quality and comparison to [the health effects category table](#).

Air Monitoring Stations

- | | |
|---------------------------------|----------------------------------|
| Billings | Helena |
| Birney | Lewistown |
| Bozeman | Libby |
| Broadus | Malta |
| Butte | Missoula |
| Dillon | Seeley Lake |
| Flathead Valley | Sidney |
| Frenchtown | Thompson Falls |
| Great Falls | West Yellowstone |
| Hamilton | |

Today's Air Update Project

Transition to the NowCast Method



Concerns with Current Method

- ▶ Incorporates three averaging times & breakpoints
 - 1-hour, 8-hour & 24-hr

- ▶ Front map display
 - Not responsive to rapidly changing conditions
 - Erratic characterization of conditions

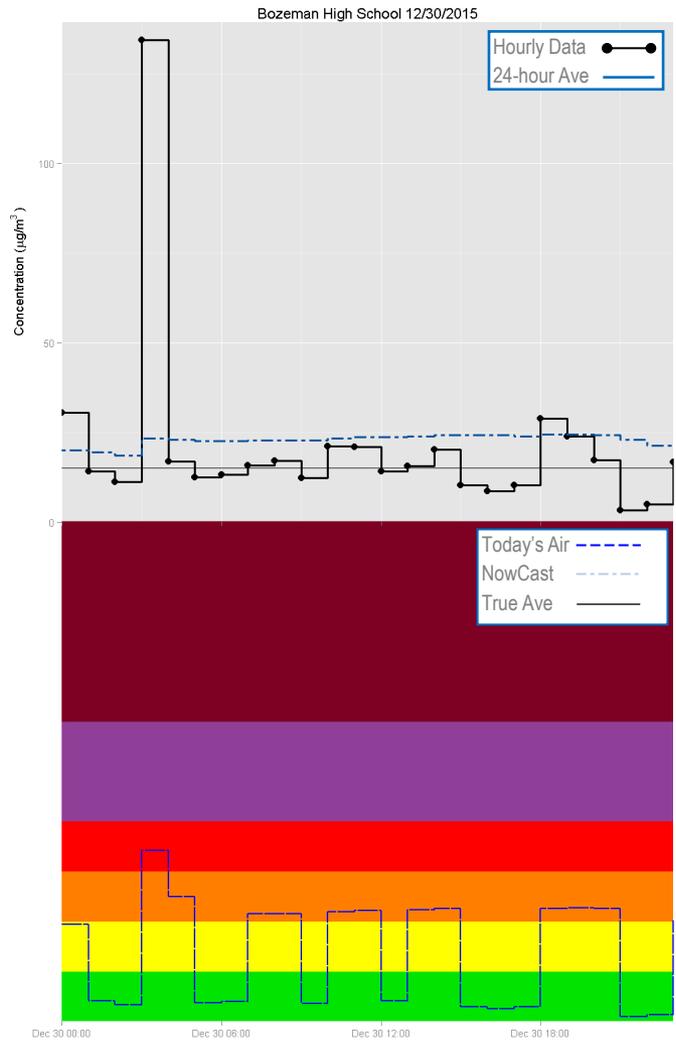
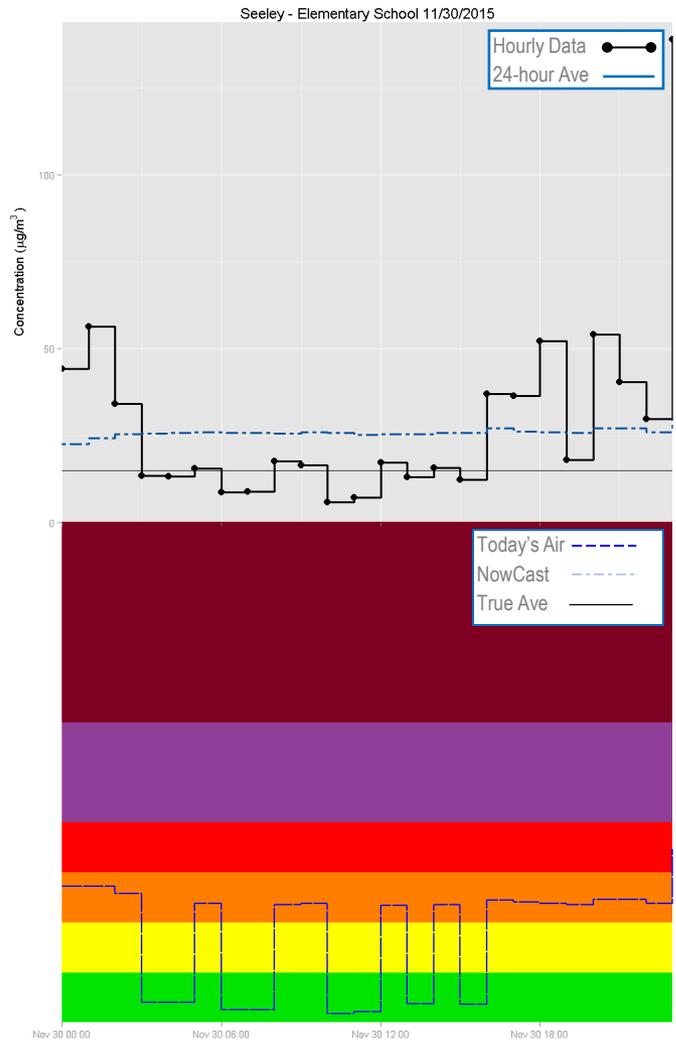
- ▶ Relevance of health assessment breakpoints

USEPA's NowCast Method

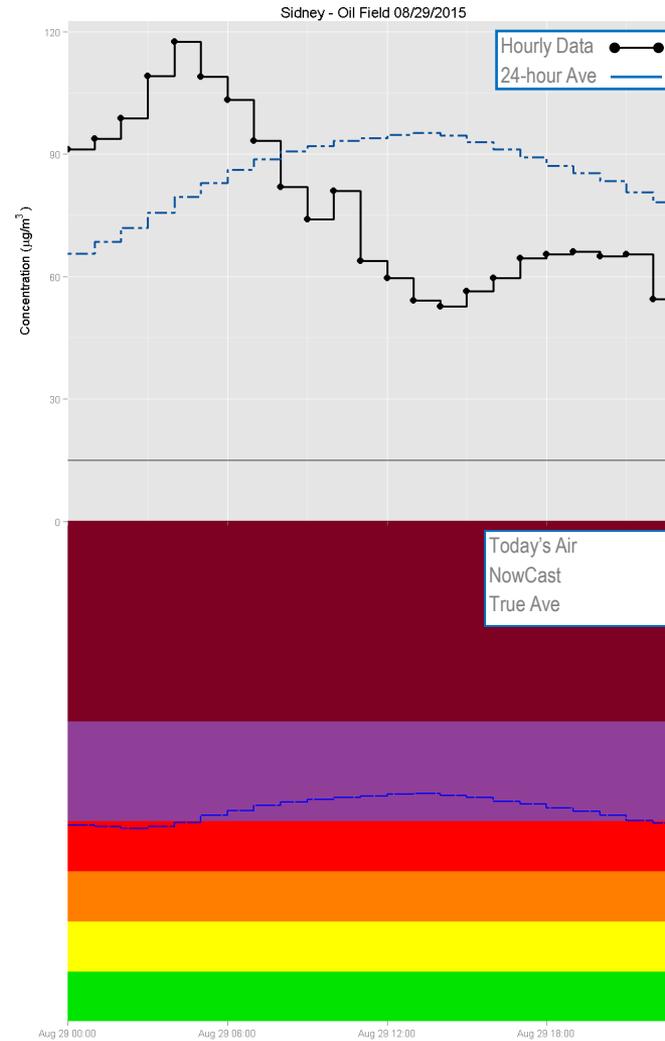
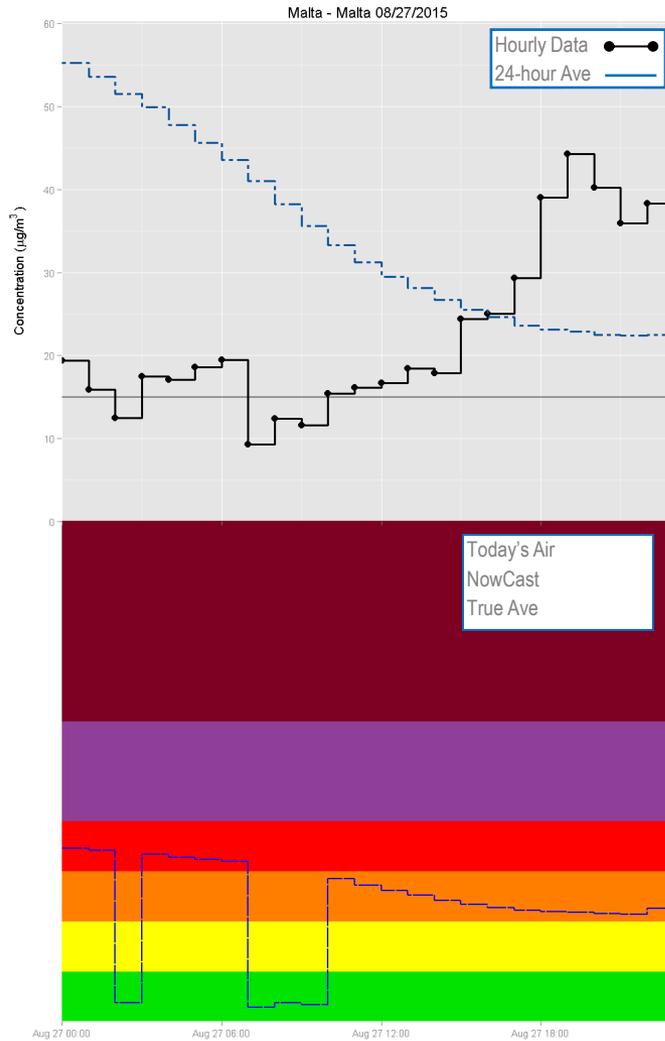
- ▶ Scales previous 12 hourly concentrations
- ▶ Weighted averaging based on variability of conditions
 - Less variable = even weighting
 - More variable = weighted toward recent hours



Method Comparison



Method Comparison



NowCast Method Advantages

- ▶ Effectively represents short-term & cumulative exposures
- ▶ Responsive to rapidly changing conditions
- ▶ More representative of actual conditions
- ▶ Single data point for health categorization

Today's Air Update Project

Update Objectives

Stakeholder input

Maintain format & Appearance

Enhanced features

Today's Air Update Project

Recommendations for Outdoor Activities Based on Air Quality for Schools and Child Care Facilities						
Health Effect Category		Good	Moderate	Unhealthy for sensitive groups*	Unhealthy	Very Unhealthy/Hazardous
Visibility (miles)		13+	9-13	5-9	2-5	Less than 2
Particulate levels (µg/m ³)	1 hr	Less than 34	34-51	51-89	89-201	Greater than 201
	8 hr	Less than 23	23-35	35-62	62-140	Greater than 140
	24 hr	Less than 13	13-20	20-35	35-80	Greater than 80
Recess or Other Outdoor Activity (15 minutes)		No limitations	No limitations	Make indoor space available for all children to be active, especially young children. If outdoors, limit vigorous activities and people with chronic conditions should be medically managing their condition.	Keep all children indoors.	Keep all children indoors.
Physical Education Class (1 hour)		No limitations	Monitor sensitive groups and limit their vigorous activities.	Make indoor space available for all children to be active, especially young children. If outdoors, limit vigorous activities and people with chronic conditions should be medically managing their condition.	Conduct P.E. indoors. If outdoors, only allow light activities for all participants. People with chronic conditions should be medically managing their condition.	Conduct P.E. in a safe (good air quality) indoor environment.
Athletic Practice, Training (2-4 hours)		No limitations	Monitor sensitive groups and limit their vigorous activities.	People with chronic conditions should be medically managing their condition. Increase rest periods and substitutions for all participants to lower breathing rates.	Conduct practice and trainings indoors. If outdoors, allow only light activities for all participants. Add rest breaks or substitutions to lower breathing rates. People with chronic conditions should be medically managing their condition.	Conduct practice and trainings in a safe (good air quality) indoor environment.
Scheduled Sporting Events (2-4 hours)		No limitations	Monitor sensitive groups and limit their vigorous activities.	People with chronic conditions should be medically managing their condition. Increase rest periods and substitutions for all participants to lower breathing rates.	Consider rescheduling or relocating event. If outdoor event is held, have emergency medical support immediately available. Add rest breaks or substitutions to lower breathing rates. People with chronic conditions should be medically managing their condition.	Reschedule or relocate event.
Examples of light activities:		Walking slowly on level ground Carrying school books Hanging out with friends		Examples of moderate activities: Skateboarding Slow pitch softball Shooting basketballs	Examples of vigorous activities: Running, jogging Playing football, soccer, and basketball	Please note that the intensity of an activity can vary by person and ability

See the back of this document for suggestions on how to use particulate concentration measurements and visibility guidelines to make a decision about poor outdoor air quality and your event. Visit www.todaysair.mt.gov for more information.

- * For the purpose of this document, sensitive groups include:
- Young children (ages 0-5 years). Young children may be more sensitive to air pollution as their lungs are still developing and they may have an unknown underlying health condition.
 - People who have a chronic condition, such as asthma or another respiratory disease, or cardiovascular disease. People with these conditions may be more sensitive to air pollution and should talk with their primary healthcare provider about managing their condition.



Today's Air Update Project

Update Process & Timing

Beta tested July 18th - September 1st

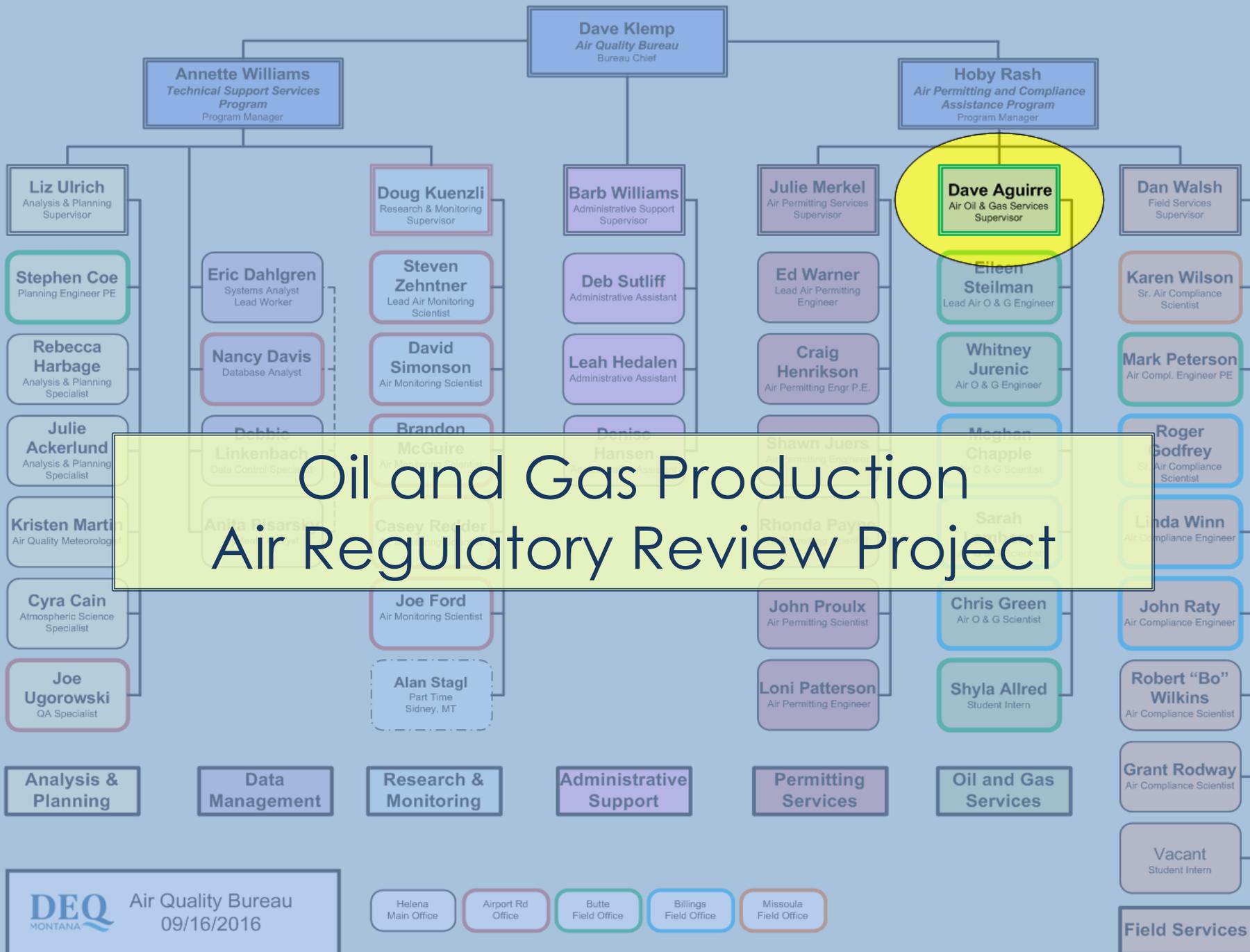
Comment period ended September 15th

Anticipated launch date November 15th

Today's Air Update Project

Questions?

<http://svc.mt.gov/deq/todaysair>



Oil and Gas Production Air Regulatory Review Project

Oil & Natural Gas Production Air Regulatory Review

Clean Air Act Advisory Committee – 9/27/2016

Dave Aguirre



Outline

May 26, 2016 CAAAC Presentation Take Away(s) & Updates

Federal Rule Activity

- Updates

Montana's Oil & Gas Registration Program

- Program Evaluation



AQB Oil & Gas Program Project

Activities

- Stakeholder Involvement
- Rule Evaluation

Next Steps

Take Aways: Federal Rule Activity / Updates

Environmental Protection Agency (EPA)

Final (Effective August 2, 2016)

- Federal Implementation Plan – Minor New Source Review (NSR) on Indian Lands
- Source Determination Rule (Aggregation)
- Standards of Performance for New Stationary Sources (NSPS) – 0000a (Challenged)

Proposed

- Control Technique Guidelines (CTGs)
- Information Collection Request (ICR) (2nd draft not yet published)

Bureau of Land Management (BLM)

Proposed

- Waste Prevention, Production Subject to Royalties, and Resource Conservation

Take Aways: Montana's Oil & Gas Program

Program Evaluation

Rules

- Evaluate Montana's registration program rules against federal rules
- Identify most stringent/robust requirements

Efficiencies

- Internal/External

Stakeholder Involvement



AQB Oil & Gas Program Project

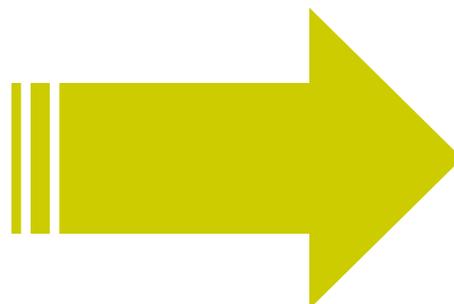
Activities

Stakeholder Involvement

- CAAAC
- Regulated Stakeholders (Sidney, Billings & Shelby)

Rule Evaluation

- 90 % Complete



Next Steps

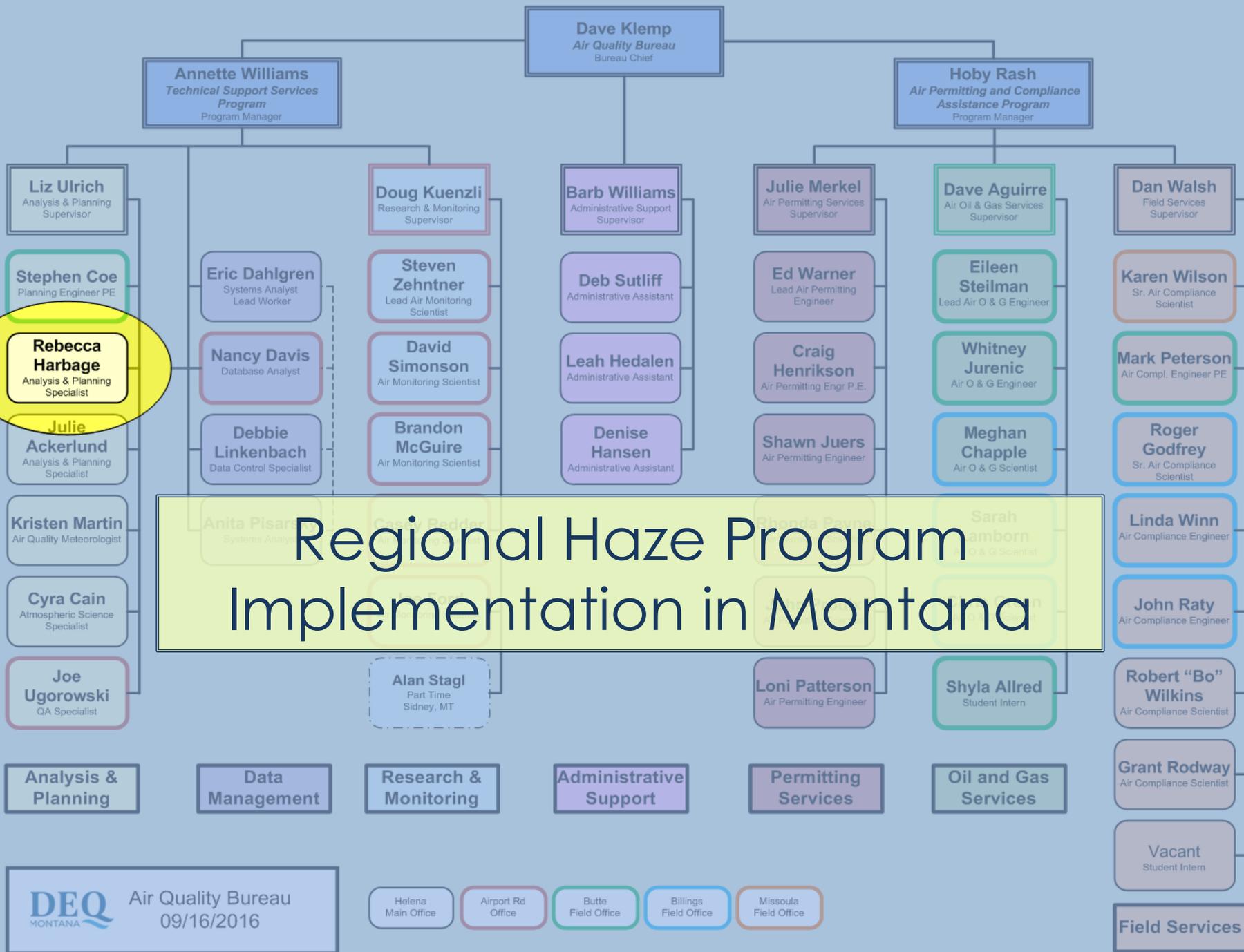
Work Group

- Rule Discussions
- Efficiency Needs



Questions?

Dave Aguirre, Oil & Gas Services Section Supervisor
daguirre@mt.gov | (406) 782-2689, Ext. 205



Regional Haze Program Implementation in Montana

Regional Haze Program Implementation in Montana

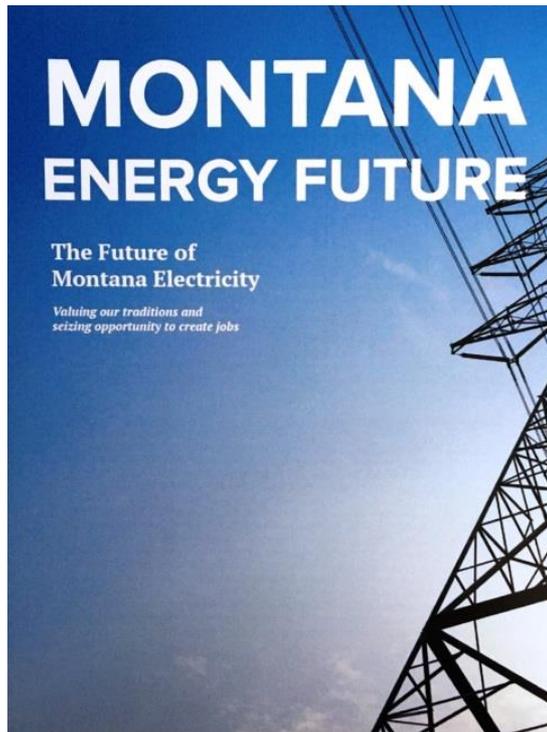
September 27, 2016

Regional Haze Program?

“The Environmental Protection Agency (EPA) is promulgating a Federal Implementation Plan (FIP) to address **regional haze** in the State of Montana. EPA developed this FIP in response to the State’s decision in 2006 to not submit a regional haze State Implementation Plan (SIP) revision.”

September 18, 2012

Regional Haze Program?



“Take over from the EPA the Regional Haze Program for the upcoming planning cycle.”

June 21, 2016

Visibility Background

History of Visibility Protection

Regional Haze in Montana

Where are we Today?

Next Steps

Regional Haze & Visibility

VISIBILITY means the degree of perceived clarity when viewing objects at a distance. Visibility includes perceived changes in contrast, coloration, and texture.

- Not just how far you can see, but how well you can see

VISIBILITY IMPAIRMENT means any humanly perceptible difference between actual visibility conditions and natural visibility conditions.



Causes of Visibility Impairment

Emissions of certain pollutants cause what is commonly known as **HAZE**

PM₁₀

PM_{2.5}

NO_x

SO₂

VOCs

NH₃

REGIONAL HAZE means visibility impairment that is caused by the emission of air pollutants from numerous sources located over a wide geographic area. Such sources include, but are not limited to, major and minor stationary sources, mobile sources, and area sources.

History of Visibility Protection

- 1977 Clean Air Act Amendments
- 1980 Reasonably Attributable Visibility Impairment (RAVI)
- 1990 Clean Air Act Amendments
- 1999 Regional Haze Rule

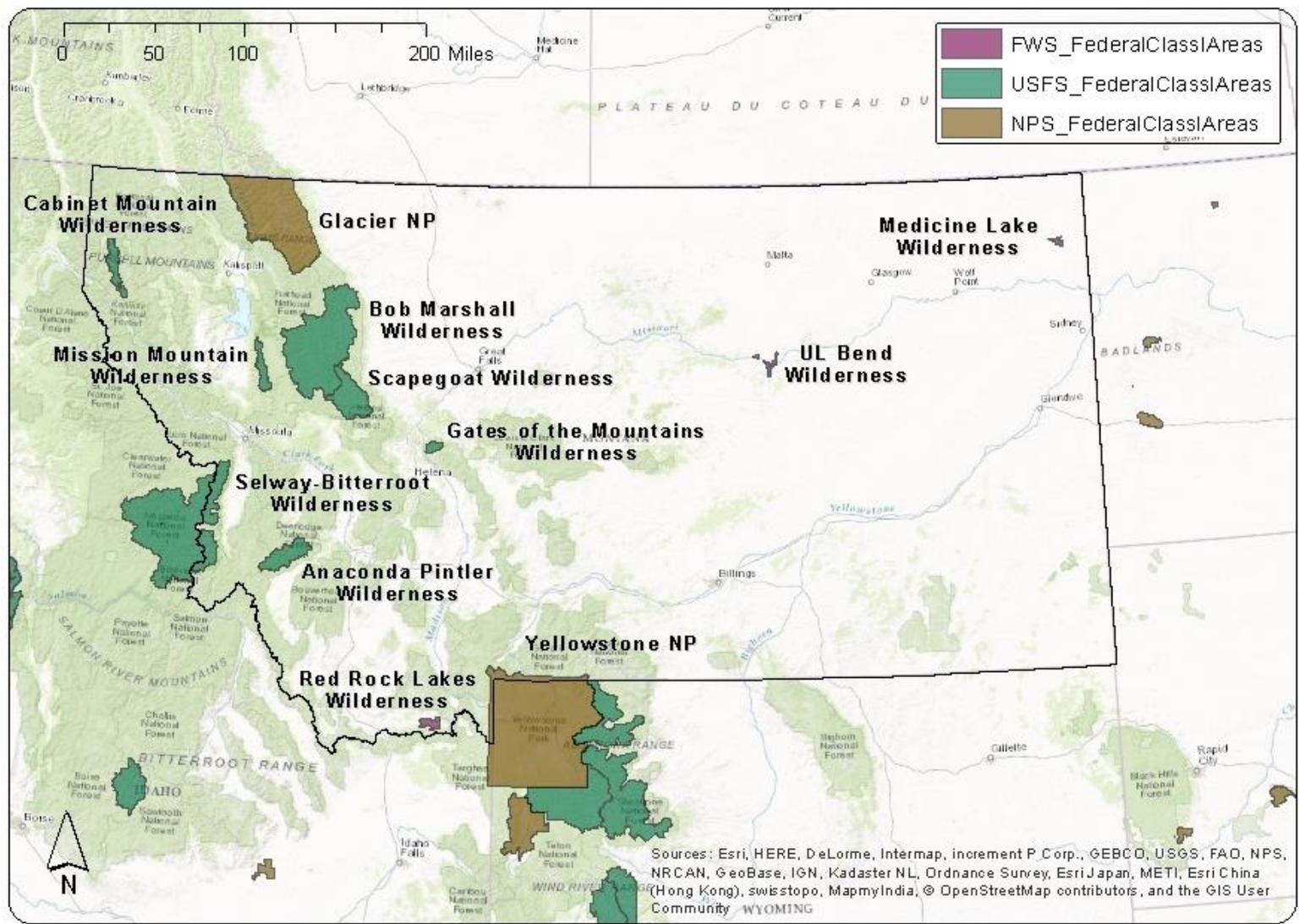
IMPROVEMENT

on the worst days

NO DEGRADATION

on the best days

Mandatory Federal Class I Areas



Regional Haze in Montana

2006 Montana withdrew efforts to develop a State Implementation Plan (SIP)

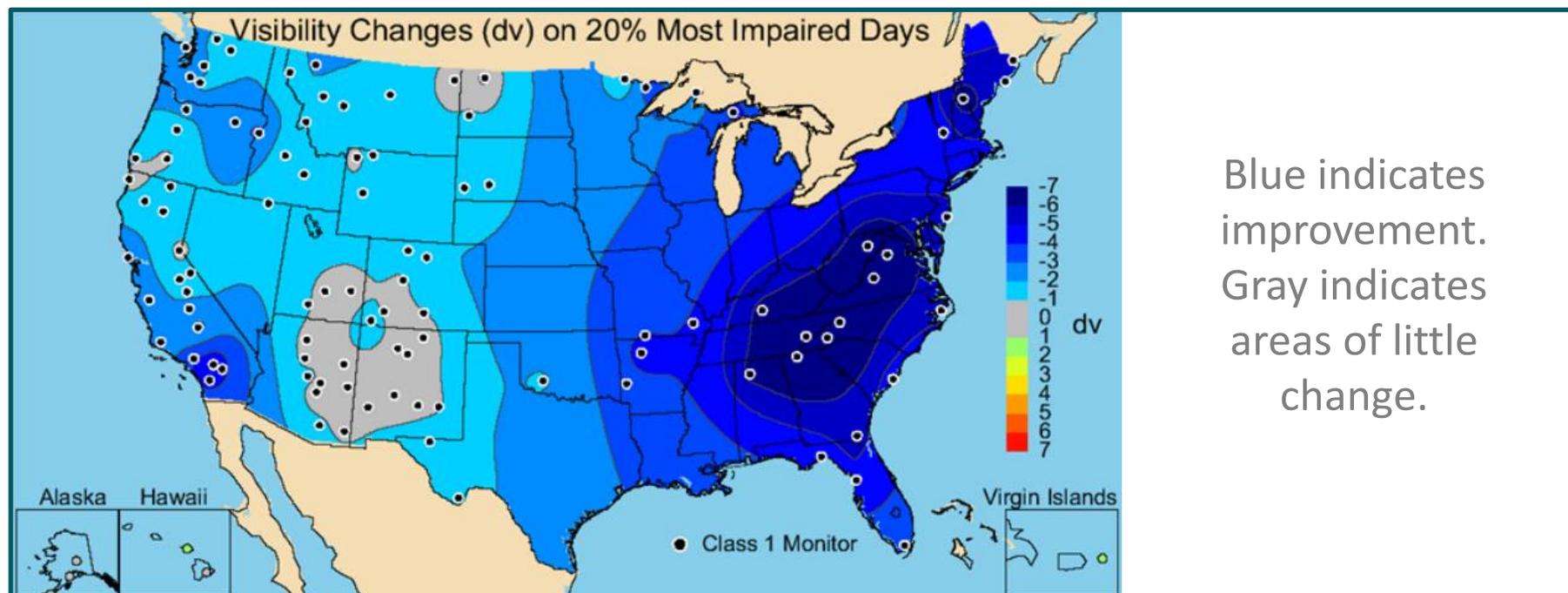
2012 MT Regional Haze Federal Implementation Plan (FIP)

Facility	Control Type	Emissions Controlled
Ash Grove Cement	BART	NO _x , SO ₂ , PM
Blaine Co. #1 Compressor Station	Reasonable Progress	NO _x
Colstrip Units 1 & 2	BART (remanded)	NO _x , SO ₂ , PM
J.E. Corette (shut down)	BART (remanded)	NO _x , SO ₂ , PM
Oldcastle Trident Cement Plant	BART	NO _x , SO ₂ , PM

Visibility Improvements

Visibility has improved in most areas since 2000-2004 baseline

Western states had better visibility from the start, compared to Eastern states



Current Timeline

2016 “Montana Energy Future”

2016 Proposed revisions to Regional Haze Rule

2017 Deadline to submit progress report on the MT FIP

2018 Start of the second implementation period

**The second planning period is coming up, is it time for
Montana to be in the driver’s seat?**

Next Steps

Scope of Work

- (1) UNDERSTAND the requirements of the federal regional haze program,
- (2) DEVELOP a state regional haze program, and
- (3) IMPLEMENT the program into the future.

DEQ Project Team

Cyra Cain | Stephen Coe | Craig Henrikson | Kristen Martin | Rhonda Payne



Key Stakeholders

Clean Air Act Advisory Committee (CAAAC)

Environmental Protection Agency

Montana Governor's Office

Federal Land Managers (FLMs)

Regional Planning Organizations: Western States Air Resources Council

(WESTAR), Western Regional Air Partnership (WRAP)

Tribes

Other Industry Representatives

Other NGOs

So really, what will it take?

Understand what visibility impairment can be attributed to man-made sources at each mandatory class I area.



Determine the specific sources of the emissions.



Develop a plan to control those emissions into the future.

Implement the plan!

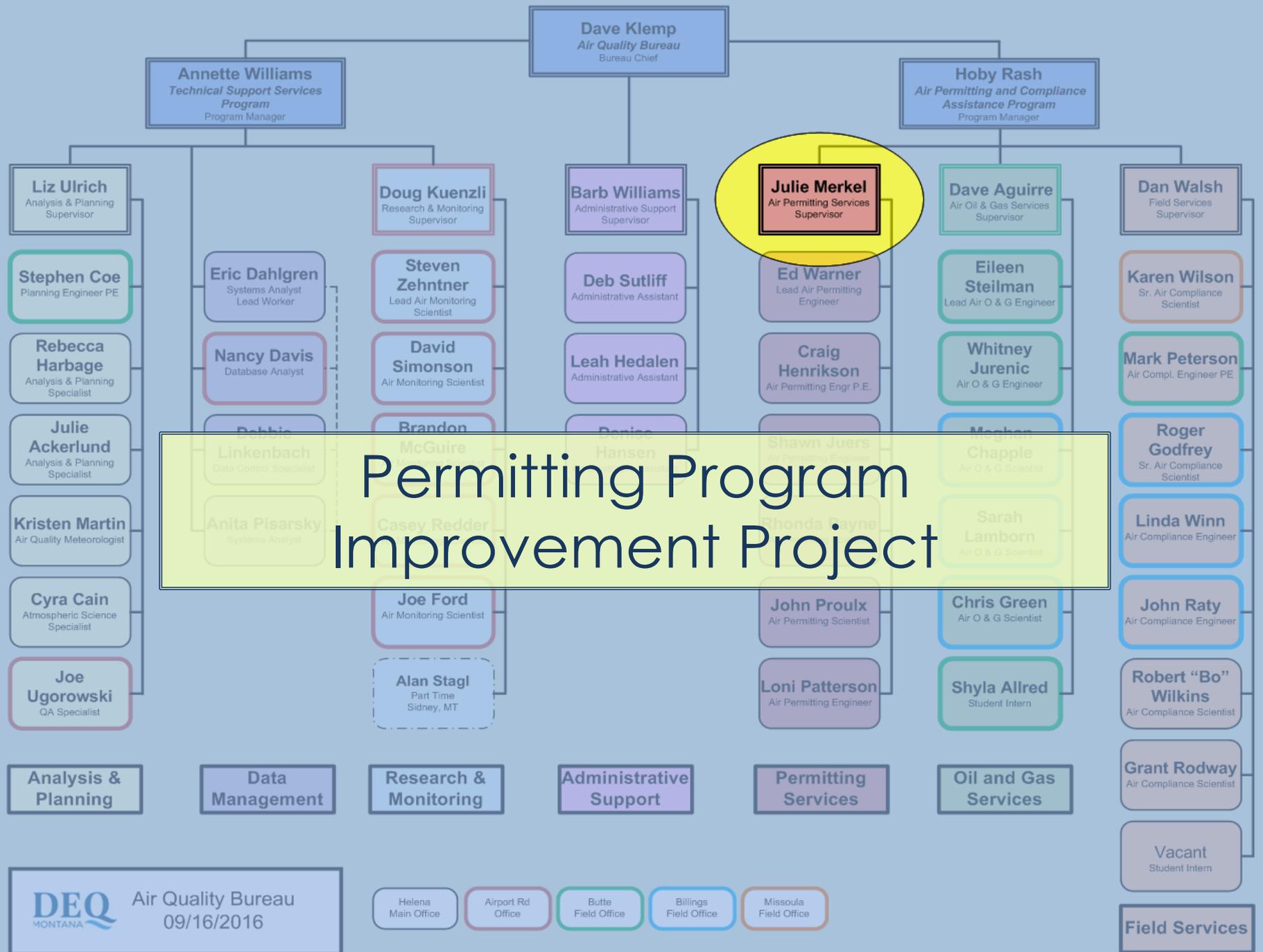
“Congress hereby declares as a national goal the prevention of any future, and the remedying of any existing impairment of visibility in mandatory class I Federal areas...”

Clean Air Act § 169A

QUESTIONS?

Rebecca Harbage, Planner
Regional Haze Project Manager

email: rharbage@mt.gov
phone: (406) 444-1472



Projects

Efficiencies in Air Quality Permitting

Sage Grouse Project

Loni Patterson

Craig Henrikson

Nat Carter

Eric Dahlgren

Carolyn Sime



Project Scope

The Sage Grouse Workflow Tracking project will develop features within Workflow to track details of permit actions under the Air Quality Bureau's authority within the designated Sage Grouse Habitat. The tracking project will also develop a report summarizing the new features and existing data regarding these permit actions within designated Sage Grouse Habitat. This will clearly demonstrate that the AQB is in compliance with Executive Orders 12-2015 and 21-2015 as well as the exceptions as approved by the Montana Sage Grouse Oversight Team.

Permitting Program Improvement Project

Julie Merkel

Ed Warner

Shawn Juers

Dan Walsh

Rebecca Harbage

Eric Dahlgren



Finding a new way to do business

Fee based program

Changing universe of sources

Streamlining the process

Maintain protection of air quality

What makes sense?

Permit by Rule?

General Permit?

Registration by Source Type?

Continue permitting as we are?

A Few Considerations

- Review of Statutory Requirements
 - Public notice requirements
 - MEPA requirements
- Remove case-by-case BACT where appropriate
- Maintain some kind of public involvement process
- Portables – Keeping track of facility locations
- Appropriate level of stakeholder involvement
- Implement appropriate compliance strategy

Benefits

Offer cost-effective means of issuing permits

Provide quicker and simpler means of permitting minor sources

Standardize requirements that similar sources can utilize

Next Steps

Pinpoint program needs

Establish detailed project scope

Determine need for rule making

Pull in stakeholders at appropriate time

Questions and Feedback

