# ROCKY MOUNTAIN STATES SECTION OF THE AIR & WASTE MANAGEMENT ASSOCIATION



## Air Quality Issues in the Rocky Mountain Region

Air Quality Conference April 13, 2017 Sheraton Denver Tech Center

## **CONFERENCE AGENDA**

7:30am BUFFET BREAKFAST provided by Lesair Environmental	
8:00am WELCOME AND OPENING REMARKS	Drew Leonard, Rocky Mountain States Section Chair
Improving Critical Environmental Decision Making	<b>Gwen Eklund</b> , Director, Electric Utilities, Western Region, Weston Solutions, Inc., Austin, TX
The Low-Cost Sensor Revolution: Prospects, Pitfalls, and a Whole Lot of Noise	<b>Dr. John Volckens,</b> Professor, Mechanical Engineering, Colorado State University, Fort Collins, CO
Next Generation Compliance in the Rocky Mountain West: Better, Faster, Cheaper	<b>Shari Beth Libicki</b> , Air Quality Service Line Leader, Ramboll Environ, San Francisco, CA, and
	Eric Hodek, Principal, Ramboll Environ, Denver, CO

## 9:20 - 9:40am BREAK WITH SNACKS AND REFRESHMENTS provided by Johns Manville

State Air Directors/Representatives Panel A ten minute presentation from each representative, followed by discussion among panelists, then open to audience questions.	Chris Colclasure, Deputy Director, Colorado Department of Health & Environment (CDPHE), Denver, CO
	Amber Potts, State Plan and Rule Group Lead, Department of Environmental Quality (WDEQ), Air Quality Division, Cheyenne, WY
	Mary Uhl, Executive Director, Western States Air Resources Council (WESTAR), Santa Fe, NM
	<b>Theresa Pella</b> , Executive Director, Central States Air Resource Agencies Association, Oklahoma City, OK
An Update on Colorado Ozone Strategies	Chris Colclasure, Deputy Director, CDPHE, Denver, CO
Colorado Oil and Gas Monitoring Efforts	<b>Gordon Pierce</b> , Technical Services Program Manager, CDPHE, Denver, CO

## 11:30am - 12:50pm BUFFET LUNCH provided by 2B Technologies

State of the Association

**Stephanie Glyptis,** Executive Director, Air and Waste Management Association (A&WMA), Pittsburgh, PA

## 12:50 - 2:30pm TECHNICAL PRESENTATIONS

#### **SESSION 1**

#### **SESSION CHAIRS**

**Sergio Guerra,** Senior Environmental Engineer, CPP Inc., Fort Collins, CO **Lori Marquez,** President, Marquez Environmental Services, Denver, CO

Refinery Sector Risk, Technology Review, and New Source Performance Standards

**Drew Leonard,** Senior Environmental Specialist, Suncor, Denver, CO and

Taras Lewus, Sage ATC Environmental

Fire, Smoke Dust, and Air Quality in the West

**Kip Carrico**, Associate Professor, New Mexico Institute of Mining and Technology, Soccoro, NM

The Intermountain West Data Warehouse – Western Air Quality Study: Cooperating Agencies' Goals, Successes, and Program Status

**Tom Moore,** WRAP Air Quality Program Manager, WESTAR, Fort Collins, CO

<u>Development and Application of Photochemical Modeling</u>
<u>Systems to Address Ozone, Particulate Matter, Visibility, and Deposition Issues in the Rocky Mountain Region</u>

Ralph Morris, Managing Principal, Ramboll Environ, San Francisco, CA; Zac Adelman, Senior Research Associate, University of North Carolina, Chapel Hill, NC; and Tom Moore, WRAP Air Quality Program Manager, WESTAR, Fort Collins, CO

<u>Using Physical Modeling to Refine Downwash Inputs to AERMOD and Achieve Compliance</u>

**Sergio Guerra,** Senior Environmental Engineer, and **Ron Petersen,** Principal, CPP Inc., Fort Collins, CO

2:30 - 2:50pm BREAK WITH SNACKS AND REFRESHMENTS provided by PDC Energy

### 2:50 - 4:40pm TECHNICAL PRESENTATIONS

#### **SESSION 2**

#### **SESSION CHAIRS**

**Ty Smith,** Owner, Lesair Environmental, Littleton, CO **Ginger Fast**, Air Quality Specialist, LT Environmental, Denver, CO

Modeling and Monitoring in the Environmental Justice Community of Globeville, and Elyria-Swansea

<u>Transportation Conformity with the Replacement of CALINE3 with AERMOD</u>

**Michael Ogletree,** Air Quality Analyst, City and County of Denver, Department of Environmental Health, Denver, CO

Patrick Ryan, Senior Air Quality Analyst, Stanley Consultants, Iowa City, IA; Rick Black, Principal Environmental Planner, Stanley Consultants, Salt Lake City, UT

#### **SESSION 2 - CONTINUED**

<u>Evaluation of a New Screening Technique for Regional Haze</u> <u>Impacts Using Standard AERMOD Output</u> Bret Anderson, National Air Modeling Coordinator, US Forest Service, Fort Collins, CO; Jason Reed, Senior Scientist & CCM, SLR International, Fort Collins, CO; and James Zappert, Principal, Carter Lake Consulting, Laramie, WY

Simulating the Contribution of Emissions from Oil and Gas Development to Regional Nitrogen Deposition at National Parks in the Intermountain West Michael Barna, National Park Service Air Quality Division, Fort Collins, CO; Tammy Thompson, Colorado State University Department of Atmospheric Science, Fort Collins, CO; Tom Moore, WRAP Air Quality Program Manager, WESTAR, Fort Collins, CO; Todd McDonnell, Research Scientist, E&S Environmental Chemistry, Corvallis, OR; and Tim Sullivan, E&S Environmental Chemistry, Corvallis, OR

Observations of Reactive Nitrogen in RMNP during FRAPPE'

Katherine Benedict,<sup>1</sup> Anthony J. Prenni,<sup>2</sup> Ashley Evanoski-Cole,<sup>1</sup> Amy P. Sullivan,<sup>1</sup> Emily V. Fisher,<sup>1</sup> Barkley Sive,<sup>2</sup> Yong Zhou,<sup>1</sup> Bret Schichtel,<sup>3</sup> and Jeffrey Collett<sup>1</sup>

- <sup>1</sup> Colorado State University Department of Atmospheric Science, Fort Collins, CO
- <sup>2</sup> National Park Service, Air Resources Division, Lakewood, CO
- <sup>3</sup> National Park Service, Air Resources Division, Fort Collins, CO

## 4:30 - 4:40pm CLOSING REMARKS

Drew Leonard, Rocky Mountain States Section Chair



## YOUNG PROFESSIONALS HAPPY HOUR

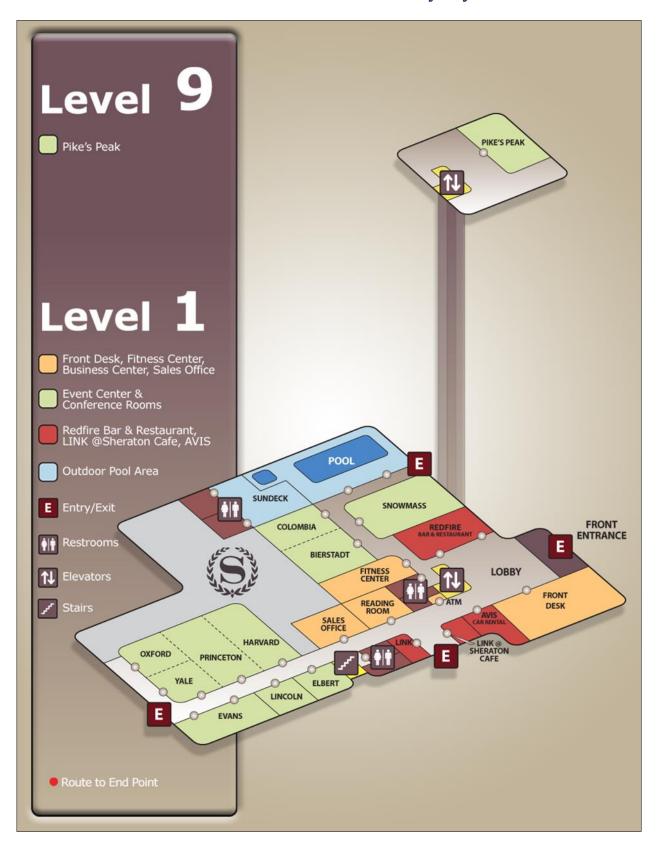
Day: Thursday April 13, 2017, 5:00 PM

**Location:** Redfire Restaurant & Lounge at the Sheraton Hotel

If you are attending the AWMA Technical Conference on April 13<sup>th</sup>, please join us for a Young Professionals Happy Hour immediately following the conference. This is a great opportunity for networking with your peers!

It will be conveniently held in the Redfire Restaurant & Lounge at the Sheraton so you will not have to travel to a second venue. We will provide light appetizers. Drinks and other food items are available from their menu.

## **Sheraton Events Center - Facility Layout**



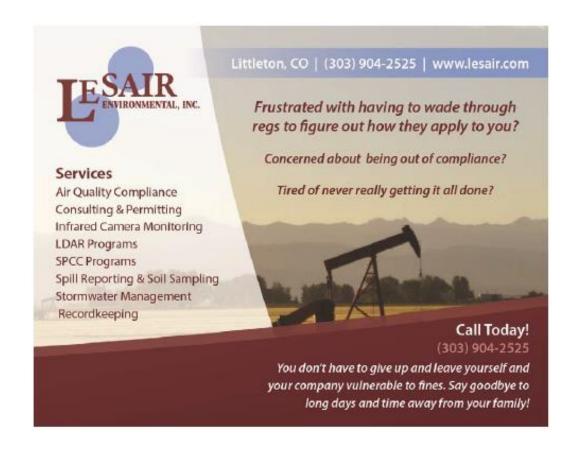
## THANK YOU TO OUR SPONSORS!

Air Quality Hero (\$1000+)



















A Touchstone Energy Cooperative



Air Quality Patron (\$500)

## **GHD**

## **Davis Graham & Stubbs LLP**

**Stanley Consultants** 

**Suncor** 

Tetra Tech, Inc.

## Marquez Environmental Services, Inc.

**Spirit Environmental** 

**Tallgrass Energy** 

**Teledyne API** 

**Wood Group - ENVision** 



## THANK YOU TO OUR 2017 CONFERENCE RMSS BOARD MEMBERS AND VOLUNTEERS

## **Chair**

Drew Leonard - Suncor

## Vice Chair

Joe Rubino - Stanley Consultants

## **Treasurer**

Bethany Moffat - Tri-State Generation & Transmission

#### **Secretary**

Margie Klitch – Klitch Environmental

## **Membership Chair**

Sara Nuttall - Johns Manville

## **Education Chair**

Kip Carrico – New Mexico Tech

### **Webmaster**

Sergio Guerra - CPP Wind

## **Board Members**

Tom Hormel – Air Quality Consultant
Ty Smith – Lesair Environmental, Inc.
Peg Young – Bonanza Creek Energy
Lori Marquez – Marquez Environmental Services
Ginger Fast – LT Environmental

## **Volunteers**

Dave Maxwell – BLM
Theresa Pella – CenSARA
Mark Komp – EPA, Retired
Dan Salgado – Tri-State Generation & Transmission
Dawn Eisinger – Marquez Environmental Services
Janessa Salgado – CDPHE
Jeremy Neustifter – CDPHE
Mitchell Allen – U.S. Fish and Wildlife Service
Courtney Morrison – Apex Companies, LLC
Emily Wiechman – Air Resource Specialists

Board contact information can be found on our website at: www.awma-rmss.org