

# NOTICE OF MEETING AND AGENDA

## Air Quality Policy Advisory Board

The Board has scheduled the following meeting:

DATE: **Thursday, October 22, 2020**  
TIME: **4:00-5:00 p.m.**  
PLACE: **No anchor location, electronic meeting.**

As authorized by Utah Code, Title 52, Chapter 4, Open and Public Meetings Act, and in accordance with Joint Rule 1-4-402, this meeting will be conducted electronically to limit the spread of the novel coronavirus disease 2019 (COVID-19). The Utah State Capitol is temporarily closed to visitors. Members of the public participate by telephone.

Call in number: 1-786-886-2342, Participant Passcode: 550470703#

### AIR QUALITY POLICY ADVISORY BOARD MEMBERS

Sen. Luz Escamilla	Mr. Todd R. Bingham, Chair
Sen. Todd Weiler	Ms. Ashley Miller, Vice-Chair
Rep. Carl R. Albrecht	Dr. Kerry E. Kelly
Rep. Timothy D. Hawkes	Mr. Ty McCutcheon
Rep. Angela Romero	Mr. Bryce Bird

### AGENDA

1. Welcome
2. Approval of Minutes
3. Status of Ozone Monitoring and Non-attainment
4. Incentive Programs Spending Status
5. Potential Legislation and Appropriations to prioritize for presentations and review:
  - Air Quality Policy Advisory Board Sunset Extension – NRAEQ Interim Committee
  - Clean and Renewable Energy Requirement Amendments – Rep. Ward
  - Compliance Advisory Panel Repeal Update – NRAEQ Interim Committee
  - Concurrent Resolution Encouraging Reduction of Certain Air Emissions by 2050 – Rep. Handy
  - Concurrent Resolution Encouraging Statewide Reduction of CO2 Emissions – Rep. Handy
  - Feasibility Study for Air Quality Laboratory – Rep. Handy
  - Energy Efficiency Goals in State-owned Buildings – Rep. Handy
  - Tax Credit for Alternative Fuel Heavy Duty Vehicles – Rep. Stoddard

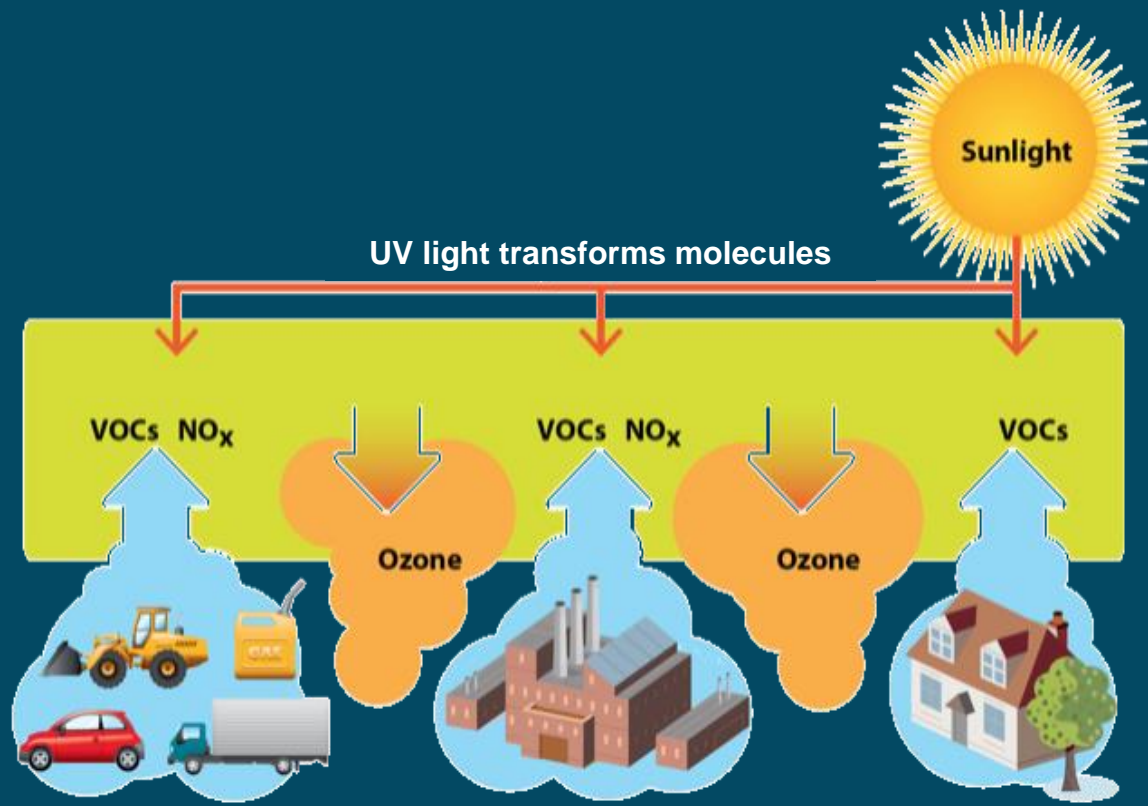
- Tax Credit for Alternative Fuel Vehicles – Rep. Harrison
  - State Fleet Purchase Amendments – Rep. Harrison
  - Workforce Solutions for Air Quality Amendments – EDWS Interim Committee
  - Emissions Test Amendments – Sen. Mayne
6. Other issues



# UTAH OZONE

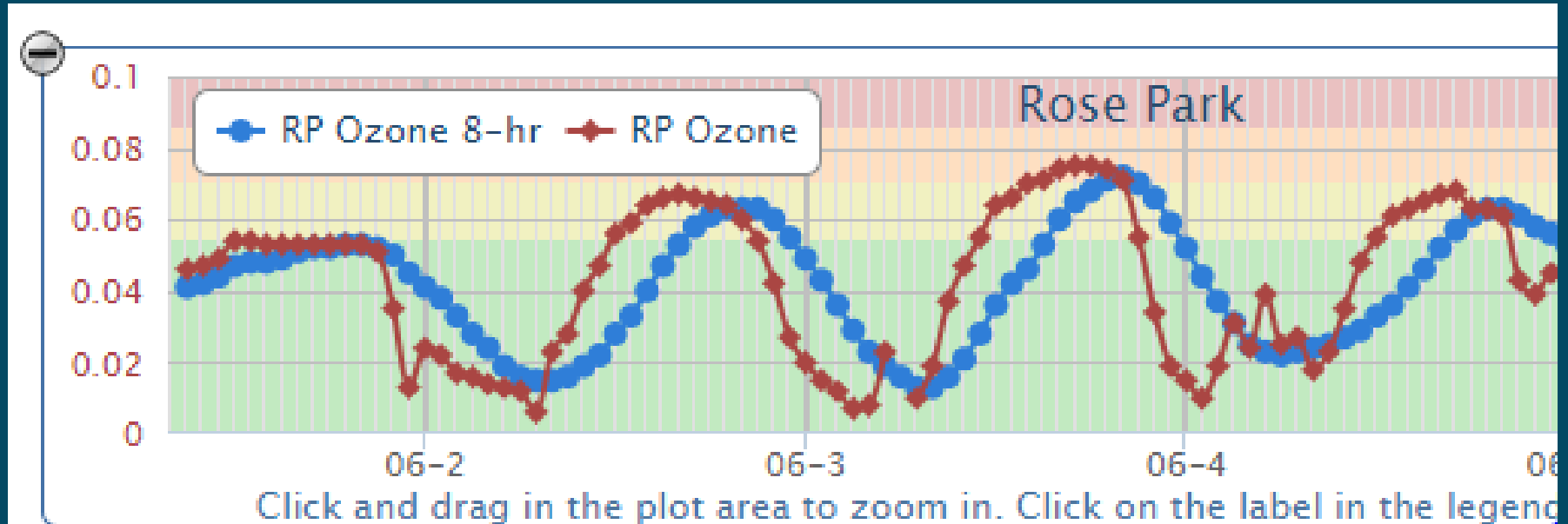


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## Volatile Organic Compounds + Nitrogen Oxides

# Wasatch Front Ozone Formation



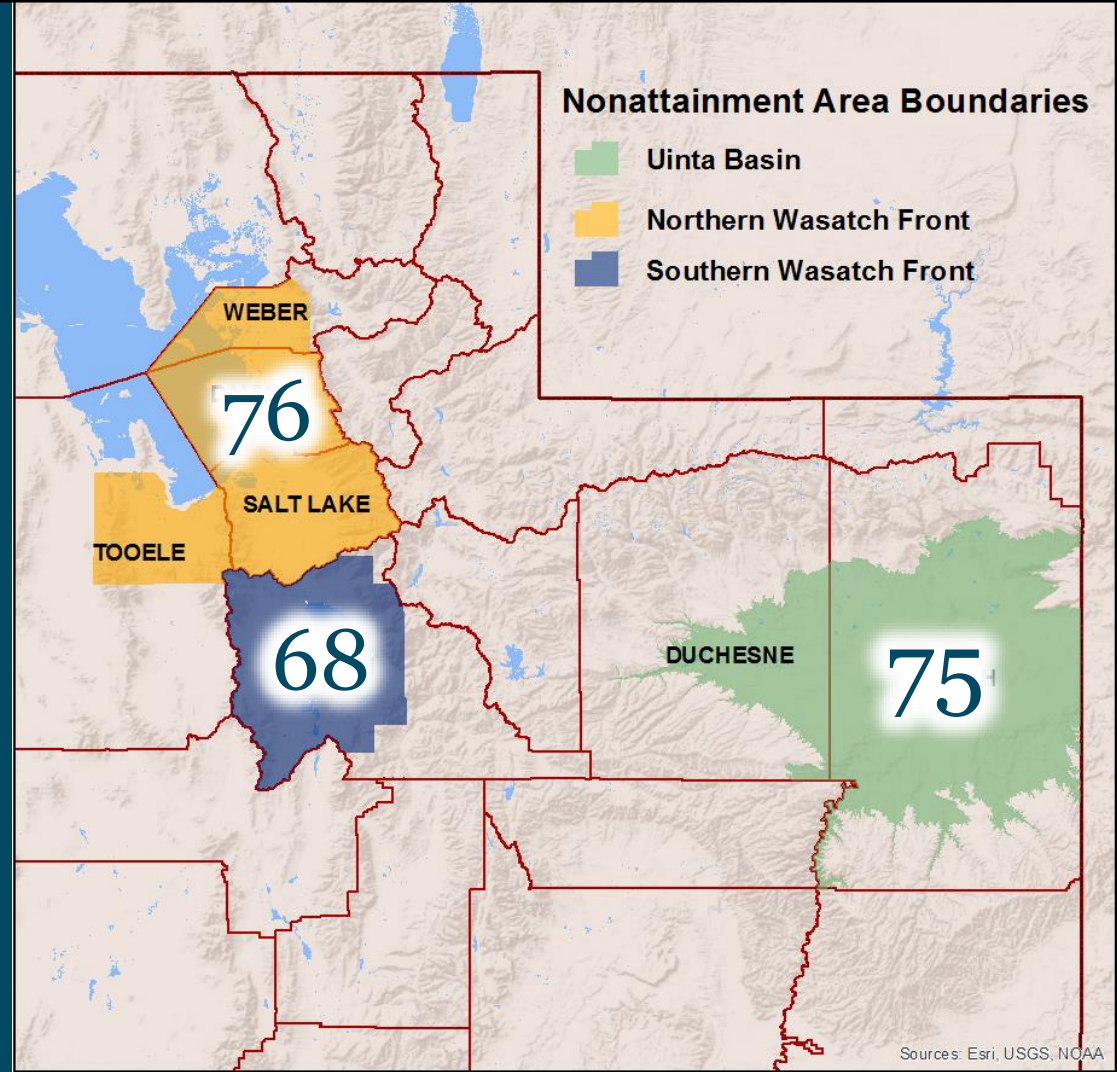
# Ozone Design Value

- Current Standard: 70 ppb
- Design Value: Three-year average of the 4<sup>th</sup> highest 8-hour average monitored value

# Ozone Nonattainment Areas

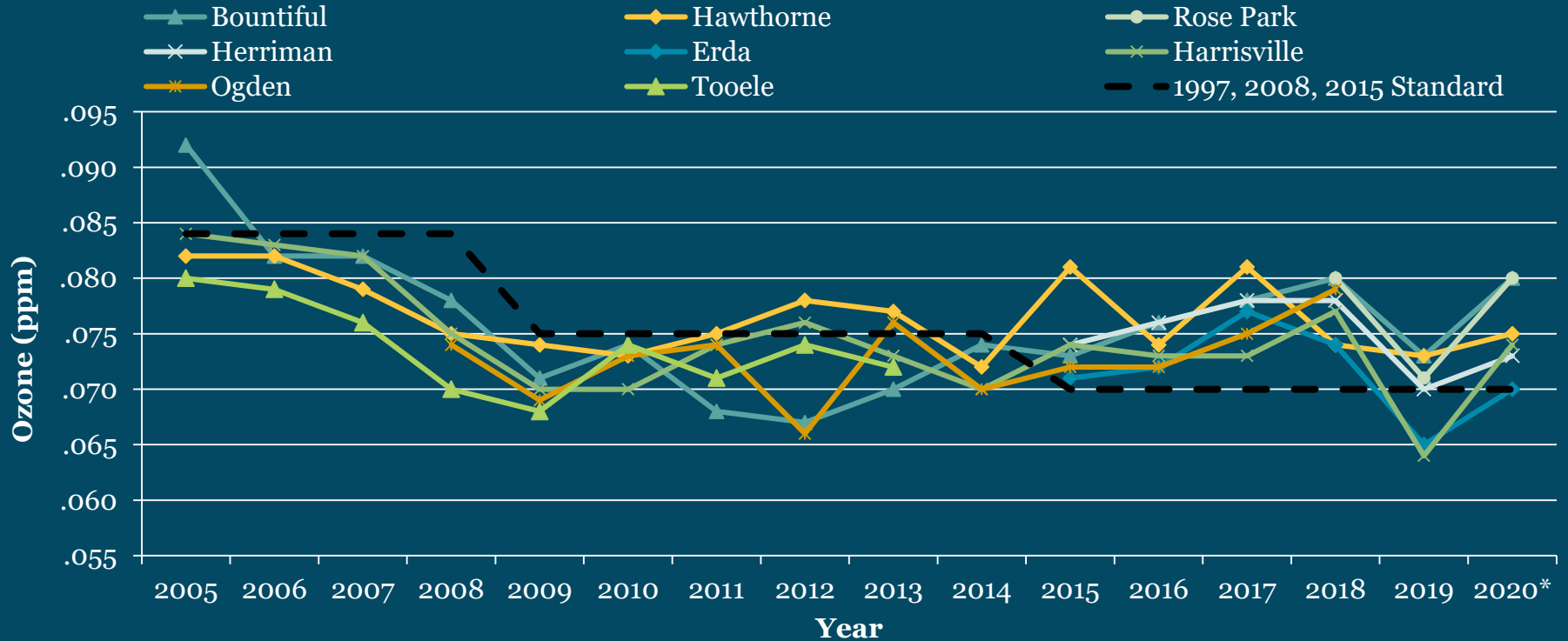
Design Values  
2018-2020\*

\*2020 data is not quality assured



# Ozone Trends

## Ozone 4th Highest 8-hr Concentration



\*2020 data not quality assured



## Marginal Nonattainment Requirements

- Nonattainment New Source Review (major source offsetting)
- Baseline Emissions Inventory
- Emission Statement Rule
- Must achieve attainment within three years

# What Happens if an Area Does Not Attain the Standard by 2021

## Bumped up to Moderate

- RACT for NO<sub>x</sub> and VOC major sources
- Reasonable Further Progress
  - ✓ 15% reduction in VOC emissions
- Implementation Plan / Attainment Demonstration
  - ✓ Require modeling to show that reductions from controls will result in attainment
  - ✓ Show attainment by August 2024

# Current Planning Timeline



- Inventory
- Modeling
- Control Strategy Development

Bumped up to Moderate

Draft SIP for Public Comment

- SIP Due
- RACM/RACT Due

Attainment Deadline

## International Transport

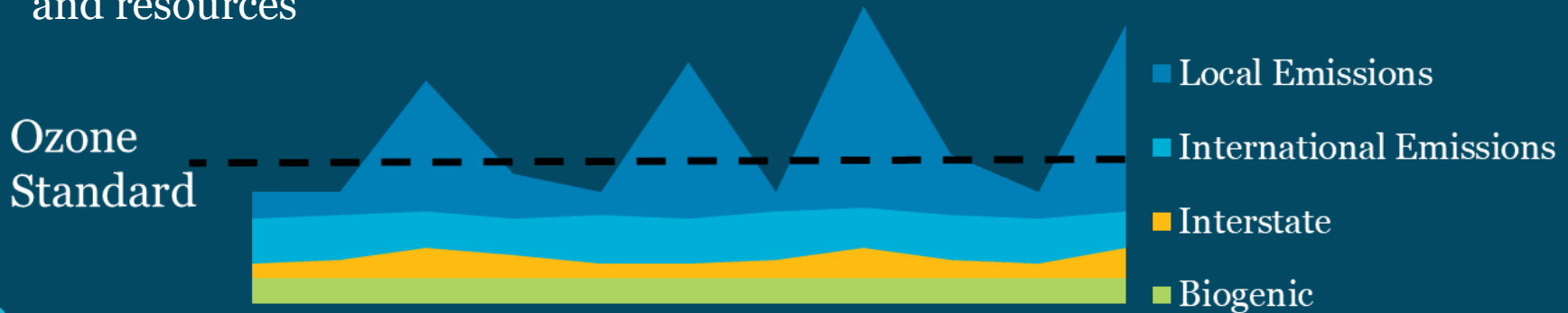
Section 179B of the Clean Air Act allows states with ozone nonattainment areas to demonstrate that the area would comply with the air quality standard “but for emissions emanating from outside of the United States.”

# International Transport Draft Guidance

A successful demonstration would show a greater influence from international emissions on exceedance days than on non-exceedance days

Demonstrations should show a “proportionally large” effect from international emissions compared to local emissions

Demonstrations for non-border states would require additional technical rigor and resources



\*This graph is made up for illustrative purposes only. None of the data are real.

## International Transport Options

### Prior to 2021 Attainment Deadline

- Marginal requirements still apply
- Avoid bump-up to Moderate

### Part of a Moderate SIP Attainment Demonstration

- SIP elements still required
- Not required to model attainment
- If approved, avoid bump-up to Serious



# UINTA BASIN OZONE SIP



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# Background for Ozone in Uinta Basin

- Ozone discovered through air monitoring starting about 2009 as an unique wintertime issue – requires cold temperature inversion, snow and sunshine
- EPA designated the Uinta Basin as nonattainment in 2018 with an attainment date of August 3, 2021
- Nonattainment Area includes all contiguous land under 6,250 feet in Uintah and Duchesne Counties with a mix of Utah State and Ute Tribe/EPA jurisdiction



## Current Status

- 2017 Air Emission Inventory indicates largest contributor of ozone precursor emissions are from oil and gas sources
- Current ozone values indicate that monitors on State jurisdiction (Roosevelt 72 ppb) and Ute Tribe jurisdiction (Ouray 75 ppb) will not attain by August 2021
- The Clean Air Act does allow request for two attainment date extensions when data does not exceed the standard. There were no exceedances to date in 2020 – would need to not exceed in 2021 and 2022 to attain by August 2023

## Current Status Continued

- Working closely with EPA and the Ute Tribe to coordinate regulatory actions in the Basin in planning for probable bump up to a moderate nonattainment classification
- Participating in stakeholder meetings and public forums to communicate important updates and information
- Obtained an EPA Targeted Airshed Grant in 2019 for replacement of old natural gas engines with newer engines, however economics and practicability has meant no applications; currently looking at other possible solutions to help air quality in the Basin

# Questions/Discussion

## Ozone SIP Coordinators

- ❑ Jay Baker – Wasatch Front

801-536-4015 [jbaker@utah.gov](mailto:jbaker@utah.gov)

- ❑ Sheila Vance – Uinta Basin

801-536-4001 [svance@utah.gov](mailto:svance@utah.gov)

## Ozone and General Air Quality Information

<http://www.deq.utah.gov/>