

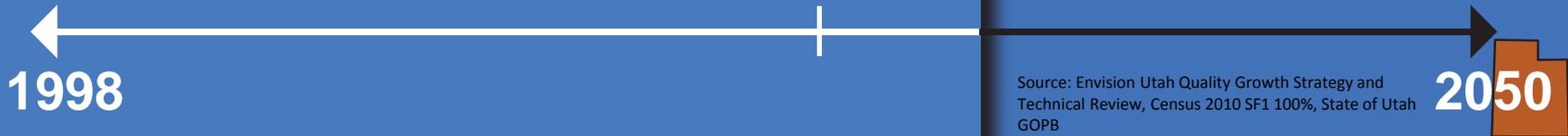


# As Utah adds 2.5 million by 2050...

1998  2.1m

2013  2.9m

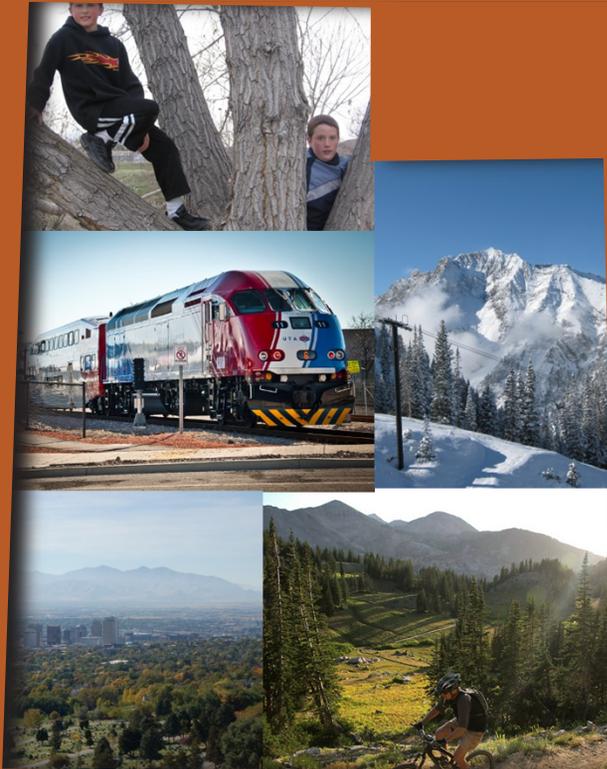
2050  5.4m



Source: Envision Utah Quality Growth Strategy and Technical Review, Census 2010 SF1 100%, State of Utah GOPB

2050

## Where are we headed?



2013

## Will we have...

- Clean air to breath?
- Enough water for our needs?
- Transportation choices that promote a high quality of life?
- An affordable cost of living, with housing options for everyone?
- Natural lands, agriculture, and recreational options?
- Quality jobs for all of us?
- An educated population?
- Enough roads, rail, and utilities without overburdening ourselves with costs?





October 29  
Kickoff

“In Utah, we don’t believe in sitting back and seeing where growth will take us. We seek to be visionary and to actively secure our future. Together, we will develop a voluntary, locally-implemented, market-driven vision to help keep Utah beautiful, prosperous, healthy and neighborly for current residents and future generations.”

-- Governor Gary R. Herbert,  
Honorary Co-Chair of Envision Utah.















**YOUR  
FUTURE**

**ENVISION UTAH  
AGRICULTURE  
& OPEN LANDS**







**YOUR  
FUTURE**

**ENVISION UTAH  
ECONOMIC  
DEVELOPMENT**



# Envision Utah: Your Utah. Your Future.

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## Exploring Choices

- Workshops
- Public input
- Task force meetings
- Scenario modeling

## Choosing

- Online tool
- Media and outreach campaign
- Statistical survey

## Vision Establishment

- Analyzing the public's choices
- Vision documentation
- Public vision release
- Begin implementation

2014

Early 2015

2015

# CLEAN AIR ACTION TEAM

Developing a comprehensive strategy that addresses all three sources of pollution across Utah.



Vehicles

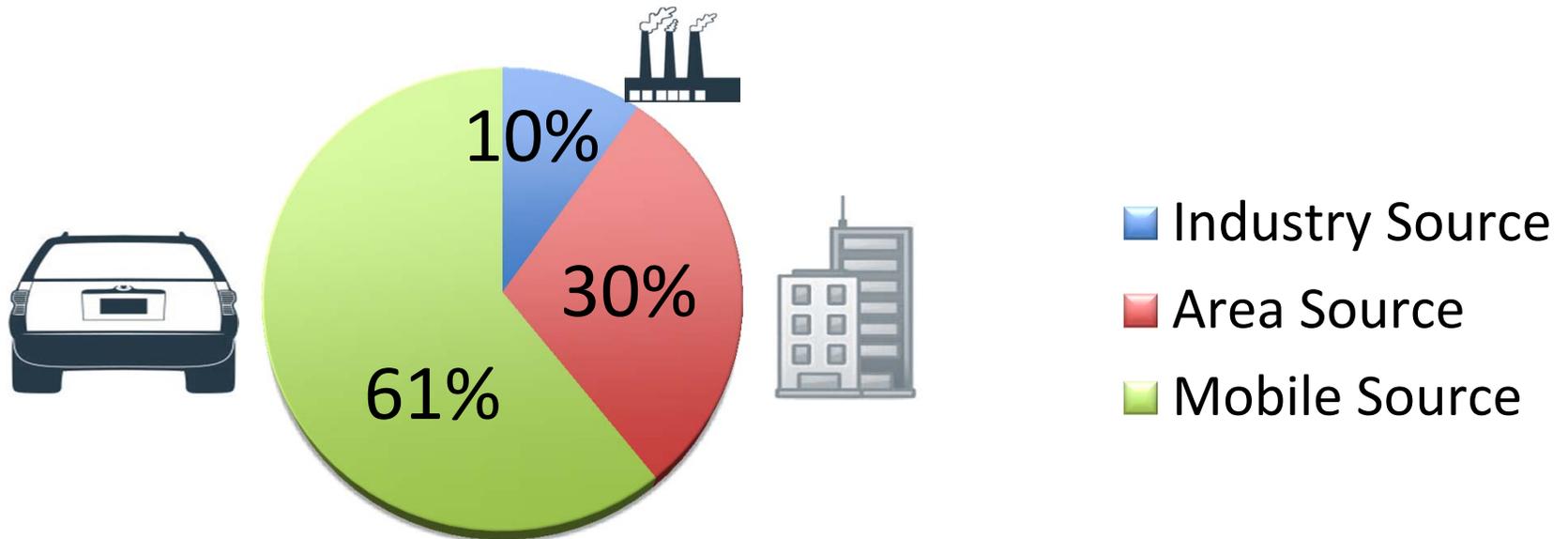


Area Sources



Industry Point Sources

# AVERAGE WINTER WEEKDAY EMISSIONS



Combined 2010 (2008 for Logan) baseline emissions data from Utah Division of Air Quality state implementation plans for Logan, Salt Lake, and Provo non-attainment areas

# Air Quality Impacts

- Attracting a high-quality labor force
- Attracting clean industry
- Tourism
- Health care costs
- Adding any businesses with any emissions
- Other?

# Immediate Recommendations

- Bring cleaner cars and fuel to Utah ASAP
- Eliminate wood burning during inversions
- Expand public and active transportation
- Increase DAQ's budget and authority
- Continue and expand the public education campaign

# LET'S CLEAR THE AIR CAMPAIGN



**YOUR**  
**FUTURE**  
ENVISION UTAH

 **Envision  
Utah** How we grow matters.



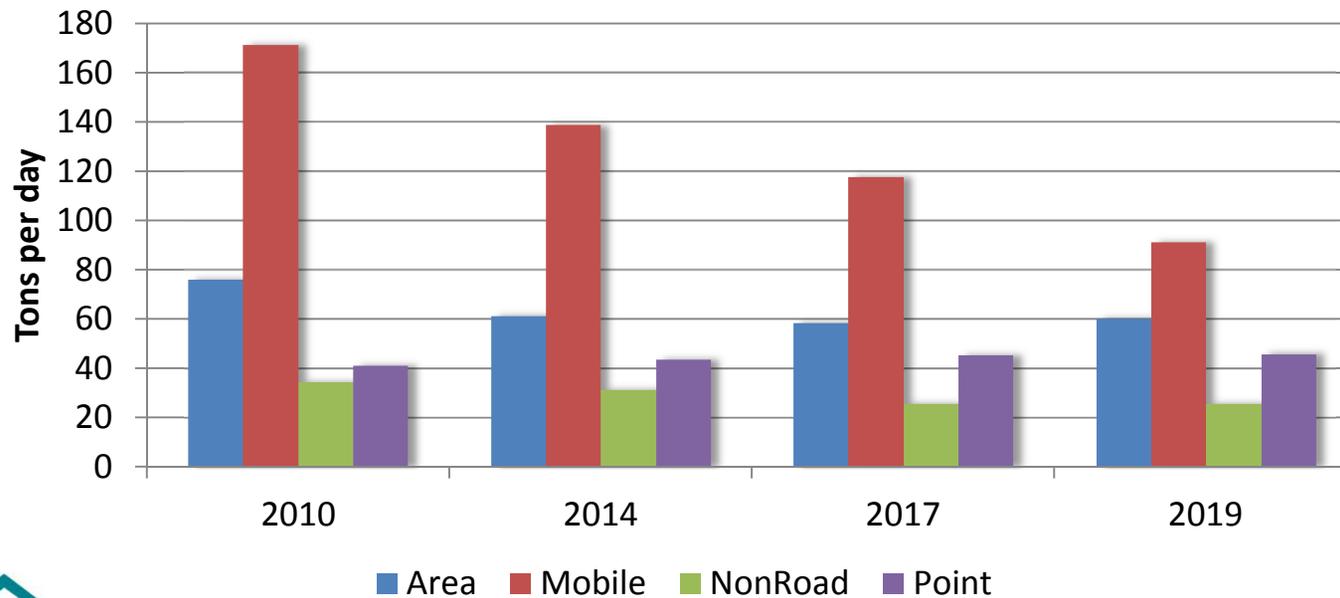


- Seen by 2,596,000 viewers on television
- Heard by 9,057,456 listeners on radio
- Seen by 17,395,664 drivers on billboards
- Seen by 79,917 users via Google searches
- Seen by 7,648,000 viewers on the Web
- Seen by 25,623,000 users on Facebook

# Tier 3: Integrated System for Vehicle Emissions and Fuels

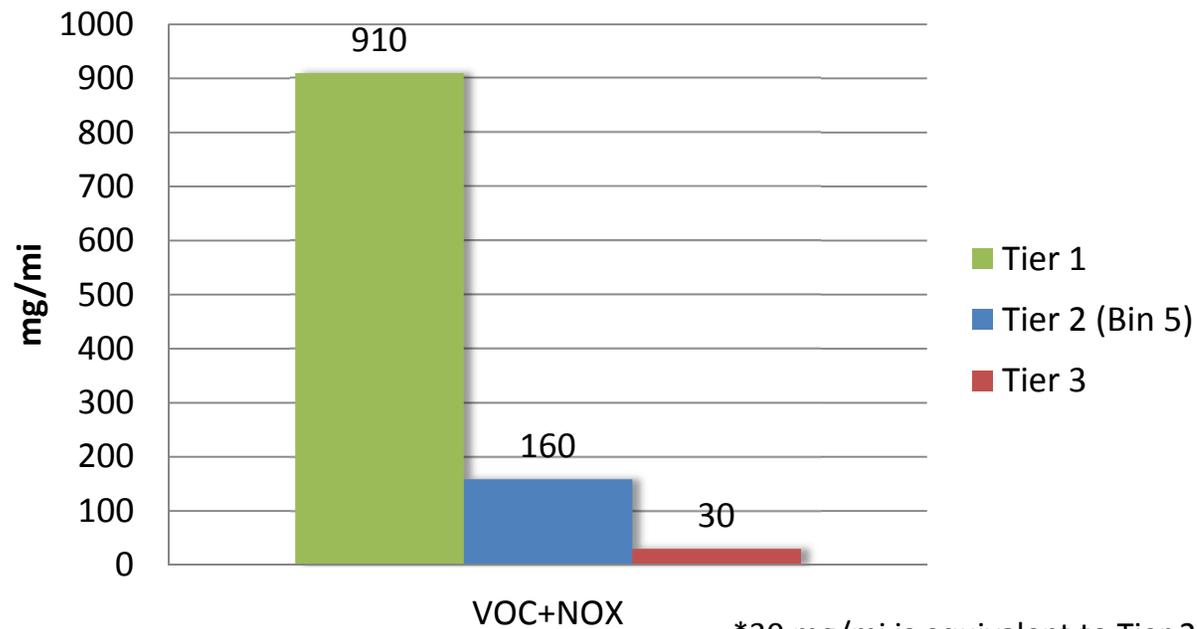
- Begins nationwide in 2017 and phases in through 2025
- But there are risks to Utah

# 2008-2019 Emissions by Source (Pre-Tier 3)



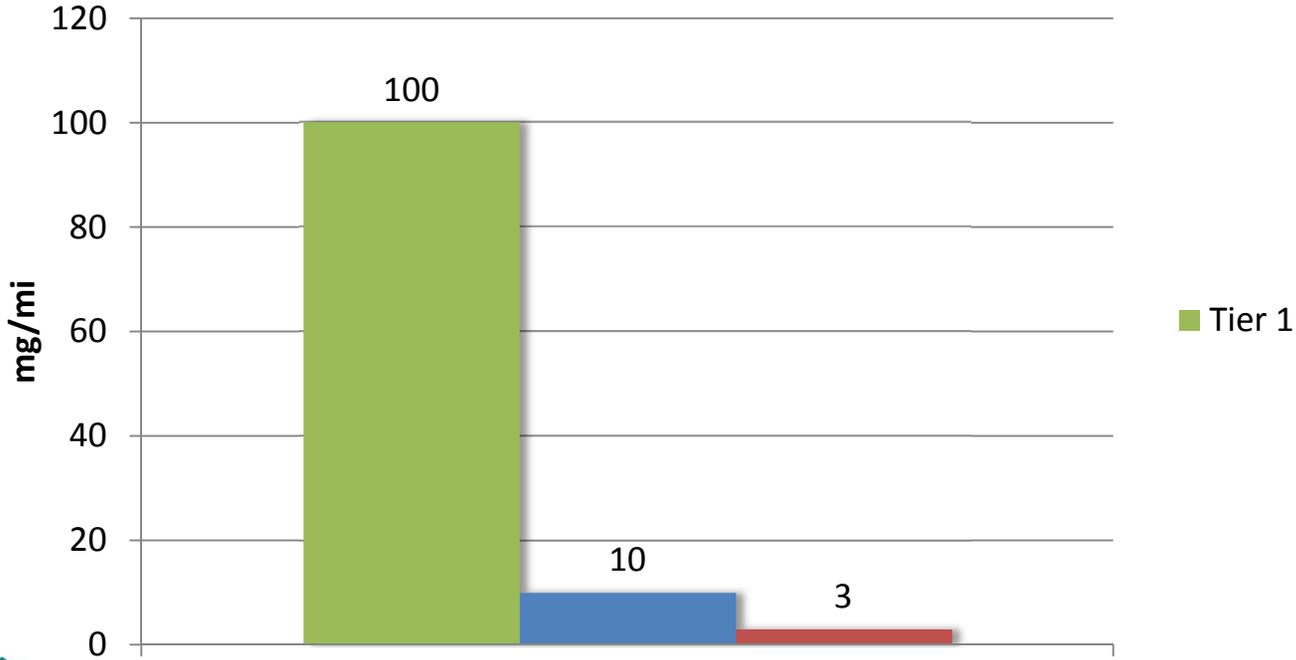
Source: DAQ

# Tier 1, Tier 2, and Tier 3: VOC + NOx



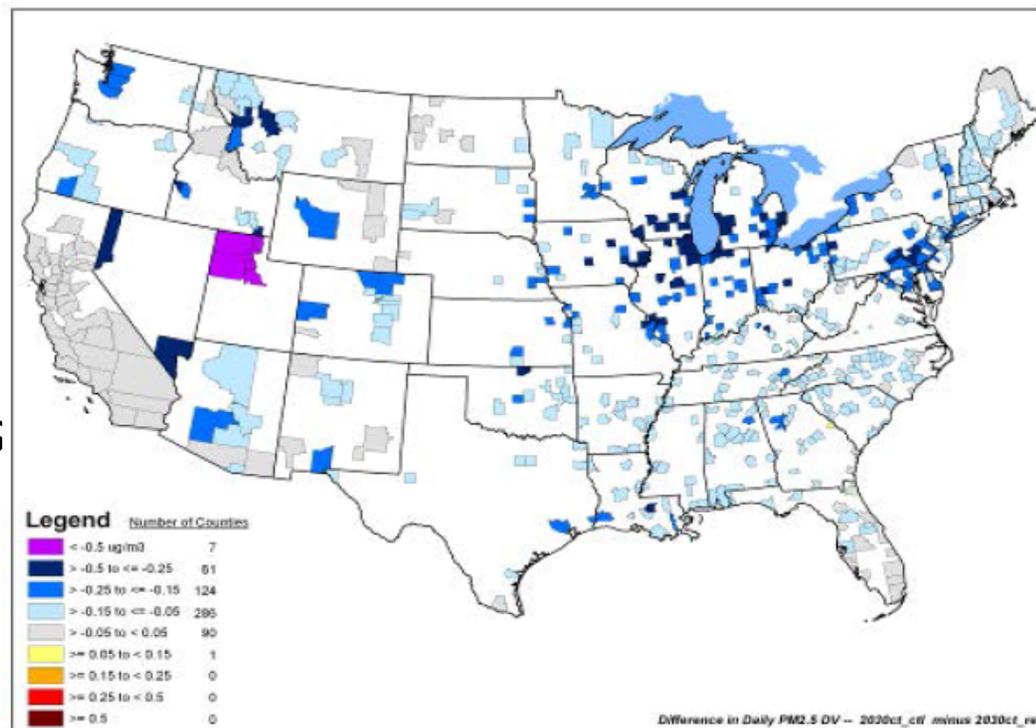
\*30 mg/mi is equivalent to Tier 2 Bin 2 (or approximately the same as a CNG Honda Civic)

# Tier 1, Tier 2, and Tier 3: Direct PM2.5



Source: DAQ

# Projected Change in 2030 24-hour PM<sub>2.5</sub> Design Values from Tier 3



Source: DAQ

# Tier 3: EPA-Estimated Costs

- Vehicles: \$ 72 cost per new car
- Fuel: Less than one penny per gallon

## Tier 3: Risks for Utah

- 3-year compliance extension for Utah refineries
- National averaging, banking, and trading (ABT) provisions may leave Utah with dirtier fuels for the long term.
- Low-sulfur gasoline required to enable emission controls in Tier 3 vehicles.

