



UTAH DEPARTMENT of
ENVIRONMENTAL QUALITY
**AIR
QUALITY**

PM and Health



News Releases

Health Info

Brief Exposure to Tiny Air Pollution Particles Triggers Childhood Lung Infections, Largest Study of Its Kind Finds

LiVe Well
FACT SHEET FOR PATIENTS AND FAMILIES

Air Quality and Pregnancy

When you're pregnant, poor air quality may affect both you and your baby. This handout will help you know what you can do to have a healthier pregnancy.

What we know

Poor air quality has been linked to:



What we are still learning

Scientists are trying to learn what quality may be related to these:



FACT SHEET FOR PATIENTS AND FAMILIES



Outdoor Air Quality and Heart Disease

Poor air quality is unhealthy for everyone, but especially people with heart disease — such as heart failure or coronary artery disease. The recommendations below relate to where and when you exercise. For people with heart disease, poor air quality can cause:

NOW



LATER



LiVe Well
FACT SHEET FOR PATIENTS AND FAMILIES

Outdoor Air Quality and Adult Lung Disease

Poor air quality is unhealthy for everyone, but especially for adults with lung disease — bronchitis, or emphysema. Older people are also at risk because they may have lung conditions. These pages will help you know where and when to exercise. For people with lung disease,

NOW



LONG TERM



Acute Air Pollution Exposure and Risk of Suicide Completion

Amanda V. Bakian, Rebekah S. Huber, Hilary Coon, Douglas Gray, Phillip Wilson, William M. McMahon, Perry F. Renshaw Author Notes

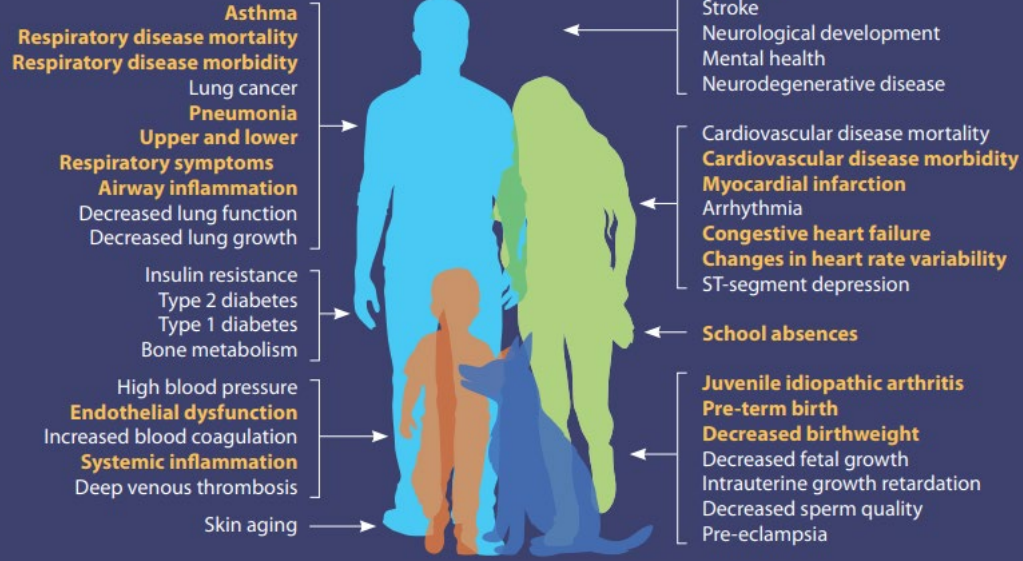
American Journal of Epidemiology, Volume 181, Issue 5, 1 March 2015, Pages 295–303, <https://doi.org/10.1093/aje/kwu341>

Published: 10 February 2015 Article history

PDF Split View Cite Permissions Share

Health Effects of Air Emissions and Pollutants

Utah-based health studies highlighted in yellow





Air Quality Protection



City Creek and Temple Square in the Late Nineteenth Century

1891

SALT LAKE CITY PASSES IT'S FIRST AIR QUALITY ORDINANCE.

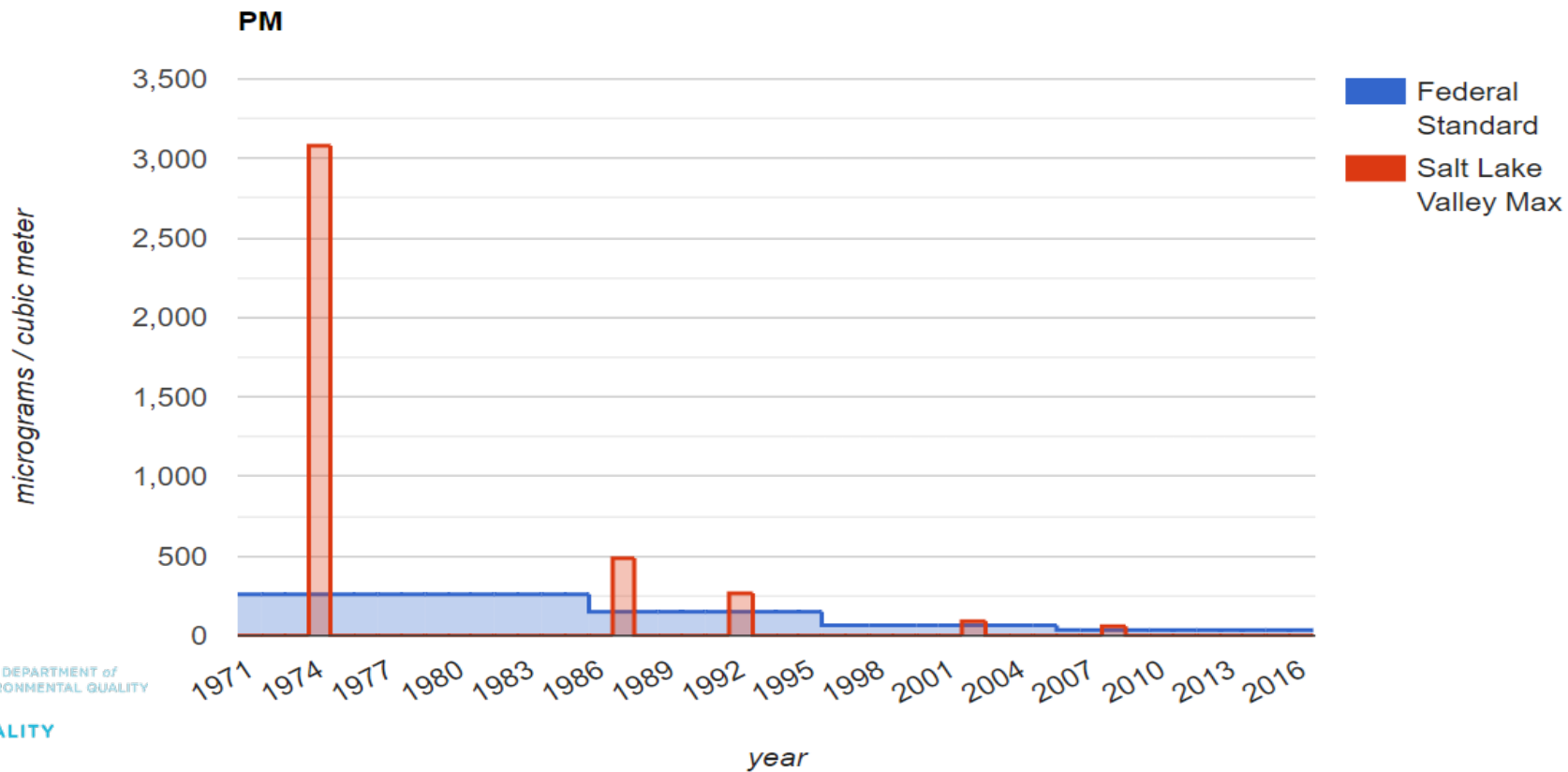
Fines were imposed for the emission of "dense smoke" from chimneys and furnaces. Five years later in 1896, Utah becomes the 45th state. Utah has had air quality regulations in place for the entire history of the state. [Read full article: Deseret Evening News, 3 September 1891](#)

Air Conservation Act

It is the policy of this state and the purpose of this chapter to achieve and maintain levels of air quality which will protect human health and safety, and to the greatest degree practicable, prevent injury to plant and animal life and property, foster the comfort and convenience of the people, promote the economic and social development of this state, and facilitate the enjoyment of the natural attractions of this state. (Utah Code 19-2-101)

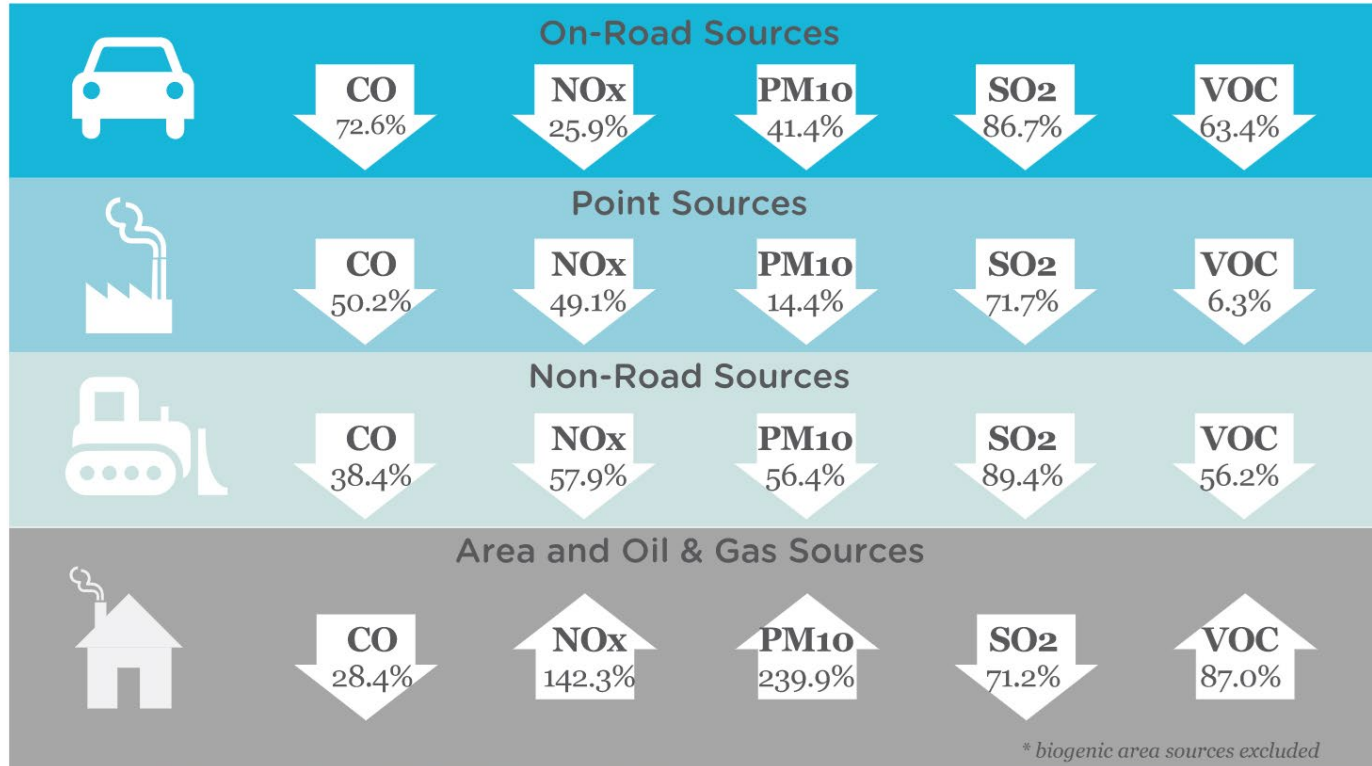


Long history of PM regulation

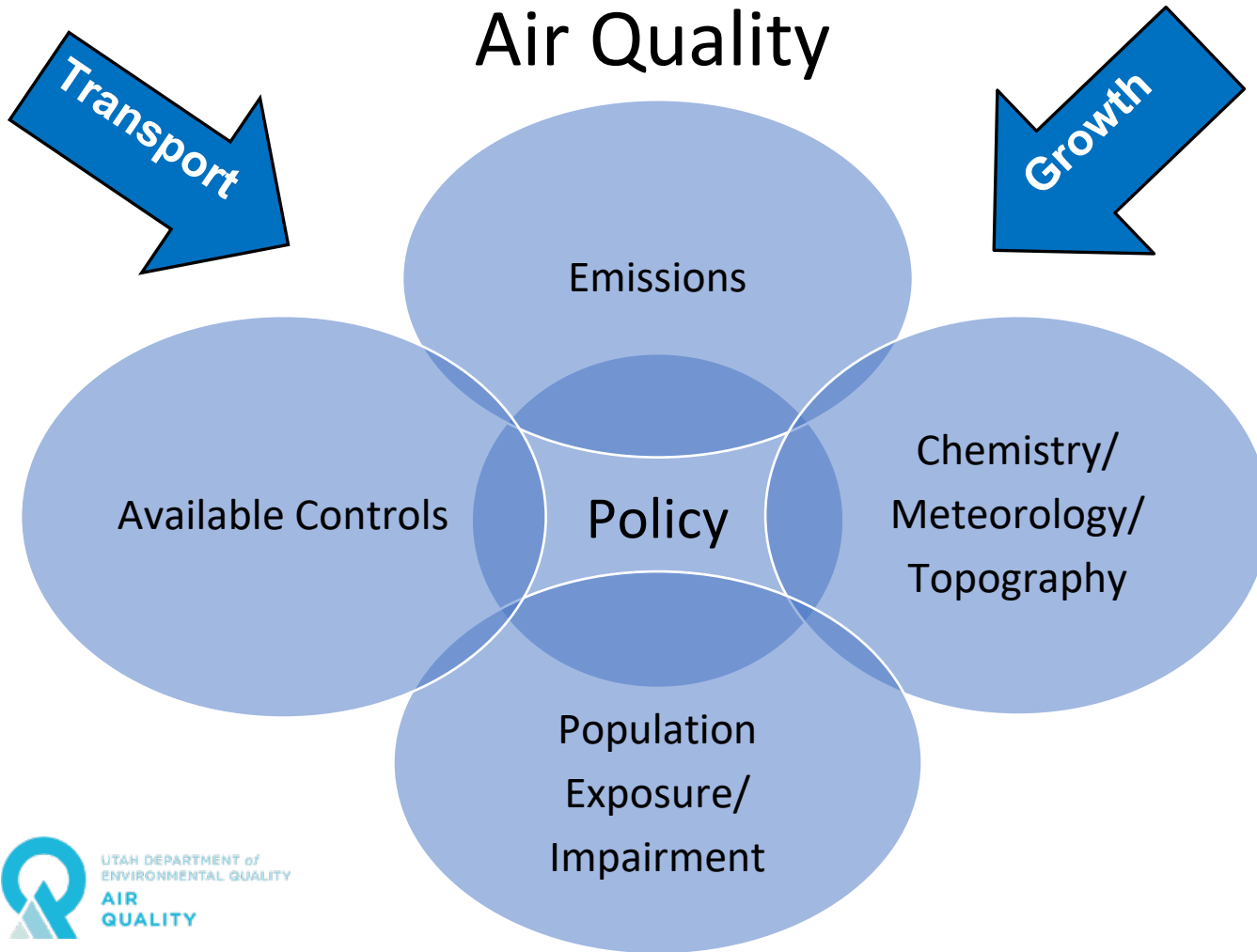


Emissions Reductions 2002-2017

Statewide



Air Quality



Air Quality Update

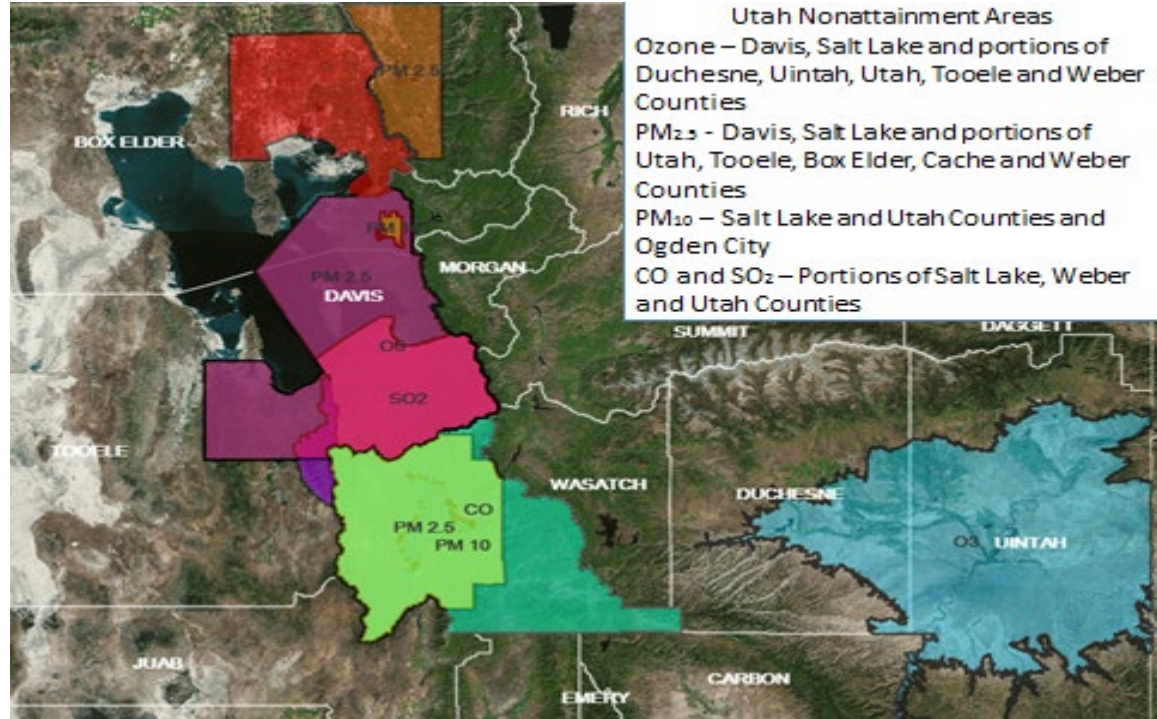
Non-attainment

Focused on meeting federal air quality standards through planning, permitting and compliance

Clean Data Determinations for Logan, Provo and Salt Lake Non-attainment areas

Maintenance Plans

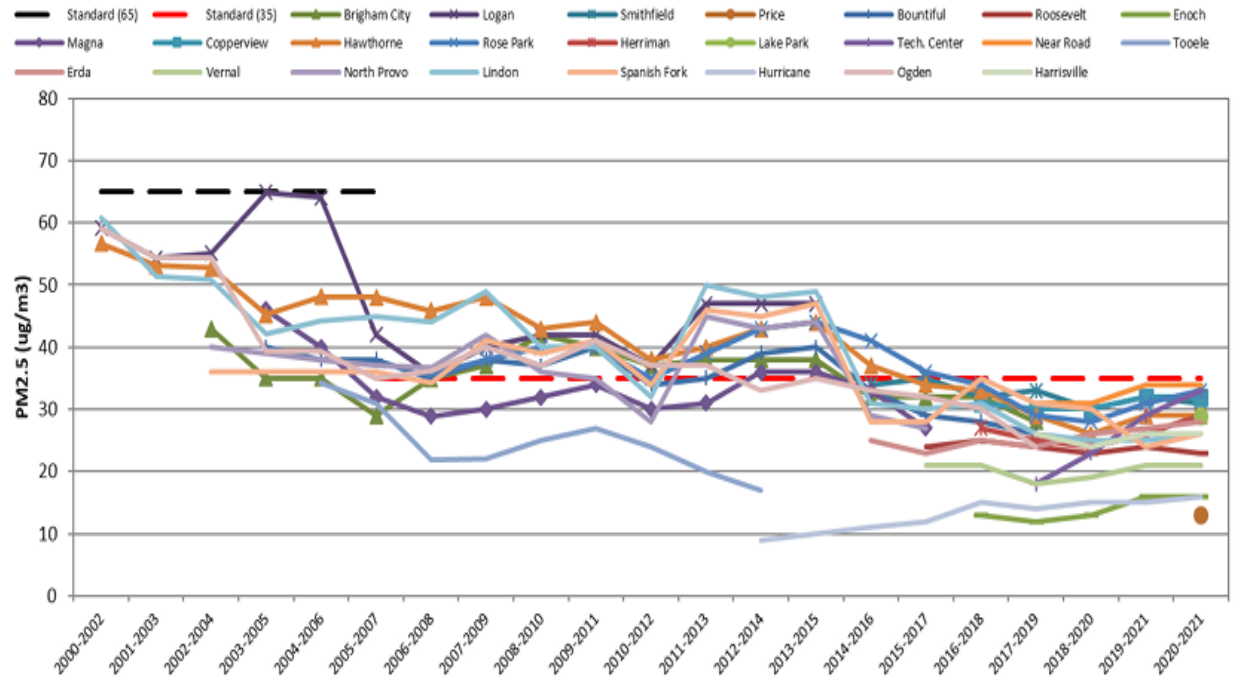
Implementation Plan for Salt Lake, Provo and Logan Non-attainment area



Fine Particulate Matter – PM_{2.5}

- All areas have attained the 2006 PM_{2.5} NAAQS
- All areas have a federally approved Clean Data Determination
- Maintenance plans show continued attainment of the standard to 2035
- EPA has proposed redesignation to attainment

PM_{2.5} 3-yr average of 98th Percentile of 24-hr Concentration



Utah PM2.5 Annual Average

PM2.5 3-Year Average of the Annual Mean Concentration

