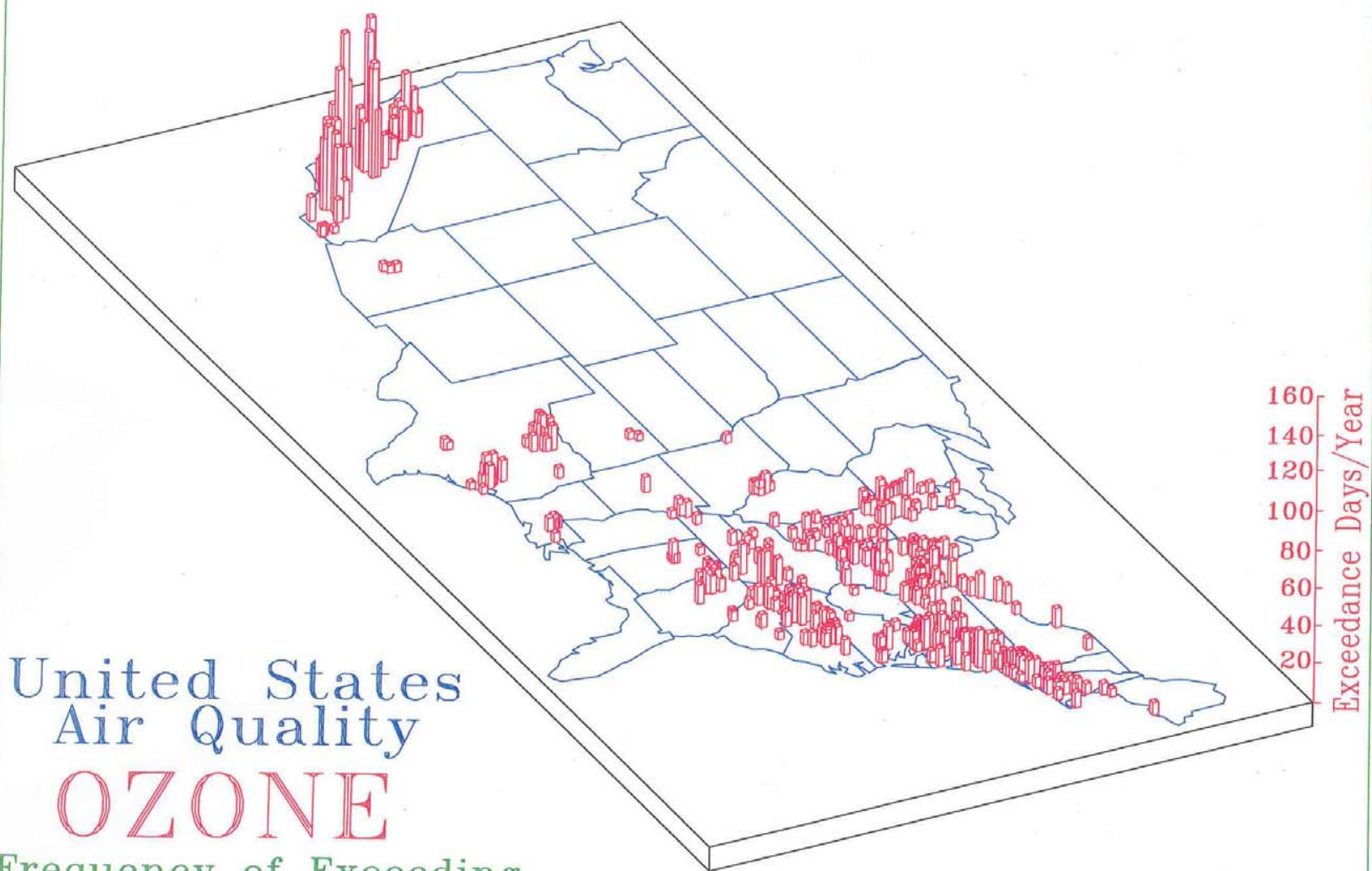


Air Issues in the Arid Southwest

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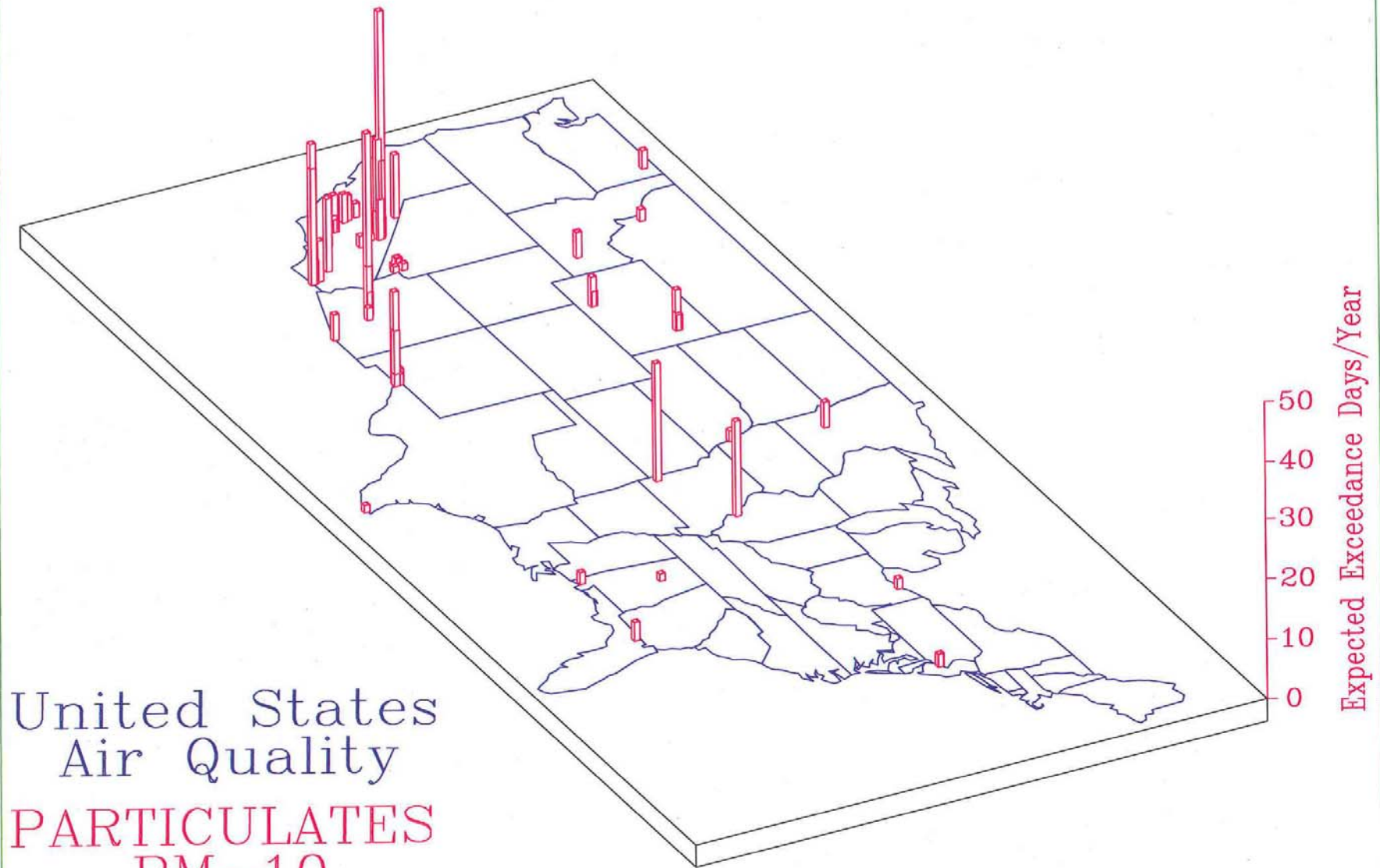
Introduction

- What is different in the Arid Southwest?
- What impact does that have on the environment?



United States
Air Quality
OZONE
Frequency of Exceeding
the 8-hour National Standard
2000-2002

Standard = 0.08ppm - 8 hour average concentration
Only sites not meeting the standard (40CFR 50.10) are shown.
Based on 2000 thru 2002 data from US EPA's AQS database.



United States Air Quality

PARTICULATES PM-10

Frequency of Exceeding
the 24-hour National Standard
2000-2002

Standard = 150 micrograms per cubic meter - 24-hour average concentration
Based on 2000 thru 2002 data from US EPA's AQS database.

United States Air Quality

PARTICULATES PM-2.5

Severity of Annual
National Standard Exceedances

2000-2002

National Standard = 15 micrograms per cubic meter - annual mean concentration.
Based on 2000 thru 2002 data from US EPA's AQS database.



What is Different

- Climate/ Environment

- Population

- Economy

Impact of Air Quality

● Climate/ Environment

- Decreased visibility

● Population

- Health, increased asthma and lung and heart disease

● Economy

- Decrease productivity

Resources

- http://www.epa.gov/region09/cross_pr/childhealth/index.html
- <http://www.epa.gov/region09/border/index.html>
- <http://www.epa.gov/region09/air/trends/index.html>
- <http://www.epa.gov/oar/aqtrnd98/>
- <http://www.epa.gov/air/airtrends/>