

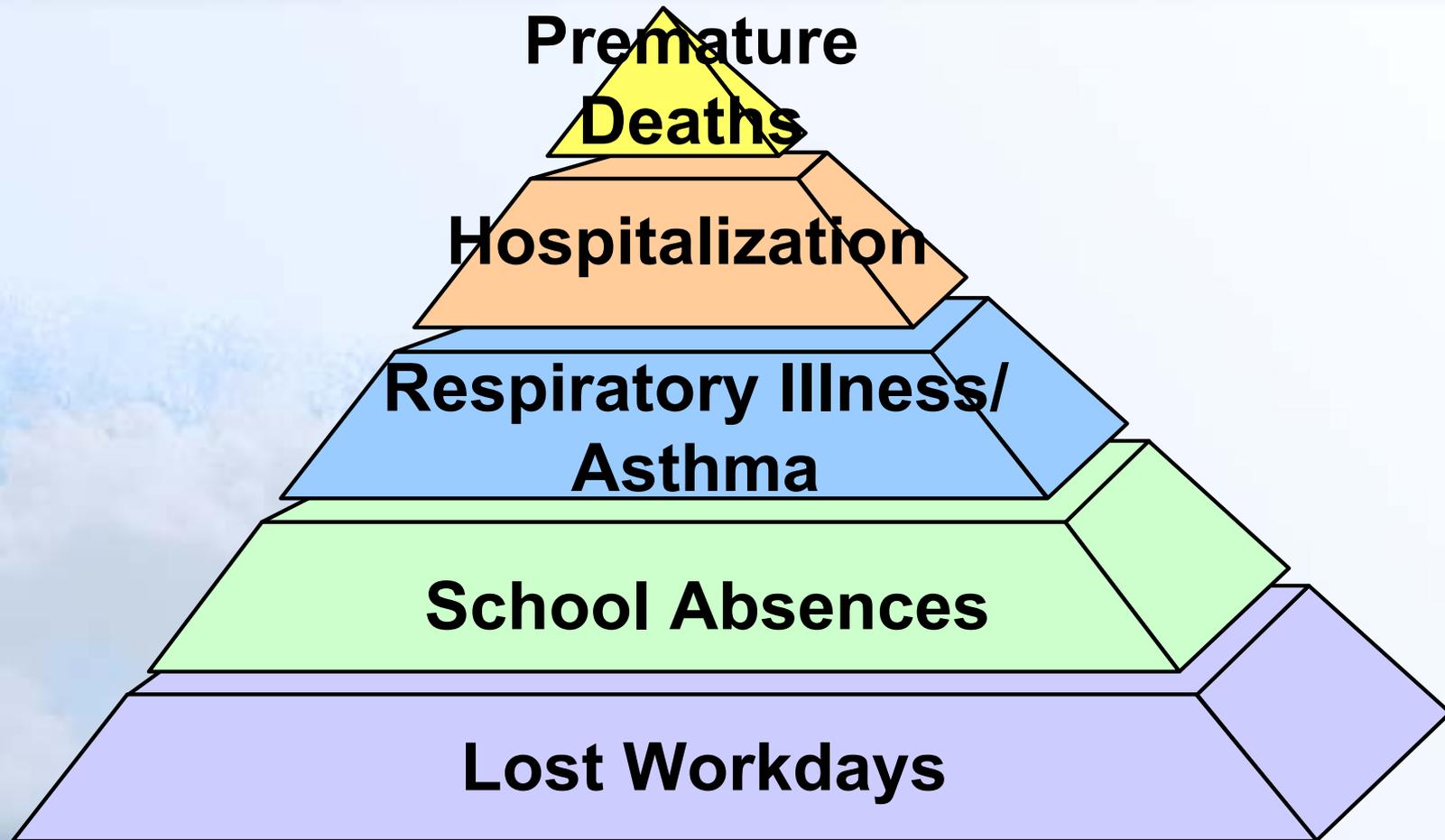
# 2004 SIP Summit

## Overview of the State Implementation Plan

January 13, 2004



# What are the health-related impacts of air pollution?



# How does the SIP benefit public health?

- Federal and State standards set air quality goals for public health
- SIP provides path to meet these goals
- Attaining standards avoids premature deaths and illness from air pollution

# Areas Violating Federal Standards

Ozone  
(1-hr/8-hr)



Particulates  
(PM10/PM2.5)



# Days of Unhealthy Ozone Levels

(Preliminary 2003 Data)

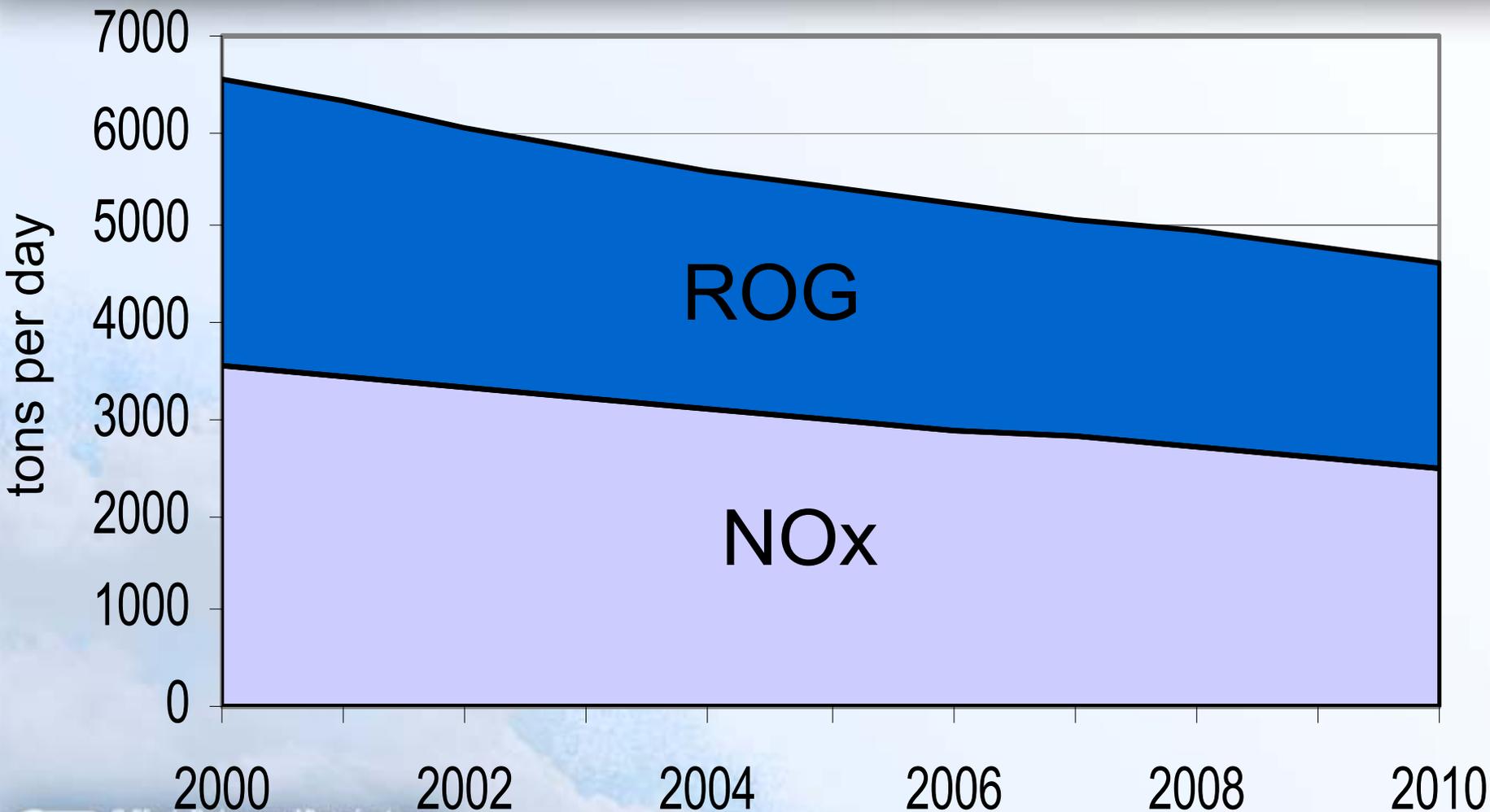
	<b>Days &gt; Fed 1-hr</b>	<b>Days &gt; Fed 8-hr</b>	<b>Days &gt; CA std</b>
<b>South Coast</b>	<b>68</b>	<b>116</b>	<b>129</b>
<b>San Joaquin</b>	<b>37</b>	<b>128</b>	<b>133</b>
<b>Sacramento</b>	<b>5</b>	<b>31</b>	<b>46</b>
<b>Ventura</b>	<b>2</b>	<b>30</b>	<b>40</b>

# Pollutants Targeted for Reduction

- Reactive organic gases (ROG, VOC, HC, NMOG)
- Nitrogen oxides (NOx)
- Directly-emitted particulate matter (PM), especially diesel PM

# Statewide Emissions

(With Measures Adopted Through 2002)



# Federal Clean Air Act

- Requires states to submit and implement SIPs for nonattainment areas
  - Focus now on ozone and particles
  - Identify control strategy to attain
  - Deadlines based on air quality
  - Commitments are federally enforceable
- Imposes stiff penalties for noncompliance

# California 2003 SIP Update

- Defines immediate rulemaking calendar
- Establishes process for identifying strategies to achieve remaining emission reductions
- Considers PM<sub>2.5</sub> needs in ozone SIP targets for South Coast

# State SIP Commitments

## - Develop New Measures -

2003-2006: Propose 20 defined measures

2004-2006: Evaluate 21 control concepts

2004-2007: Identify long-term strategies

2005-2009: Propose additional measures

# State SIP Commitments

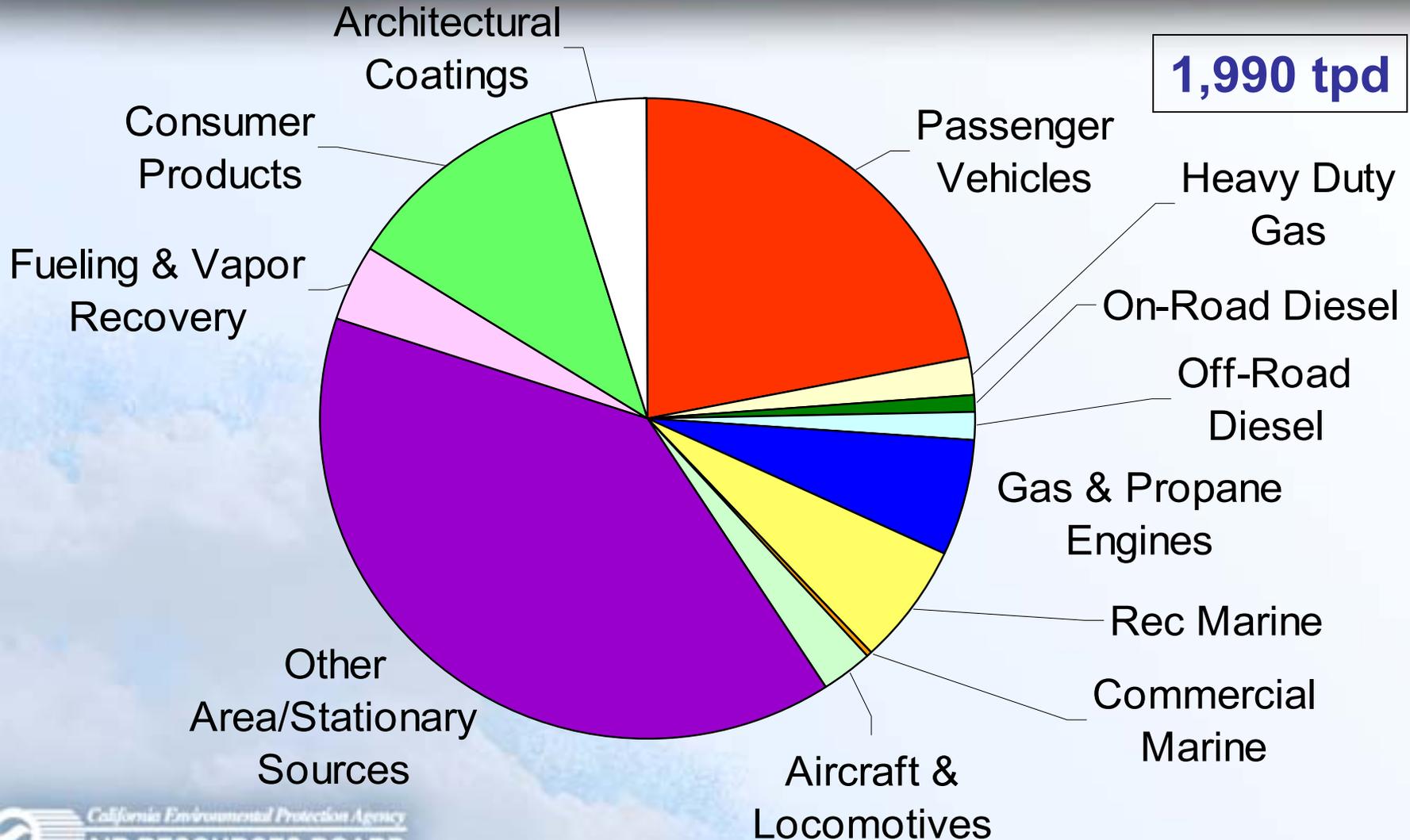
## - Achieve Reductions by 2010 -

- South Coast reductions (ROG+NO<sub>x</sub>)
  - Already adopted by 2002: 735 tpd
  - Adopt measures by 2006: 109 tpd
  - Adopt measures by 2008: 97 tpd
  - Ensure measures are adopted by 2010: 295 tpd
- 295 tpd includes necessary federal reductions

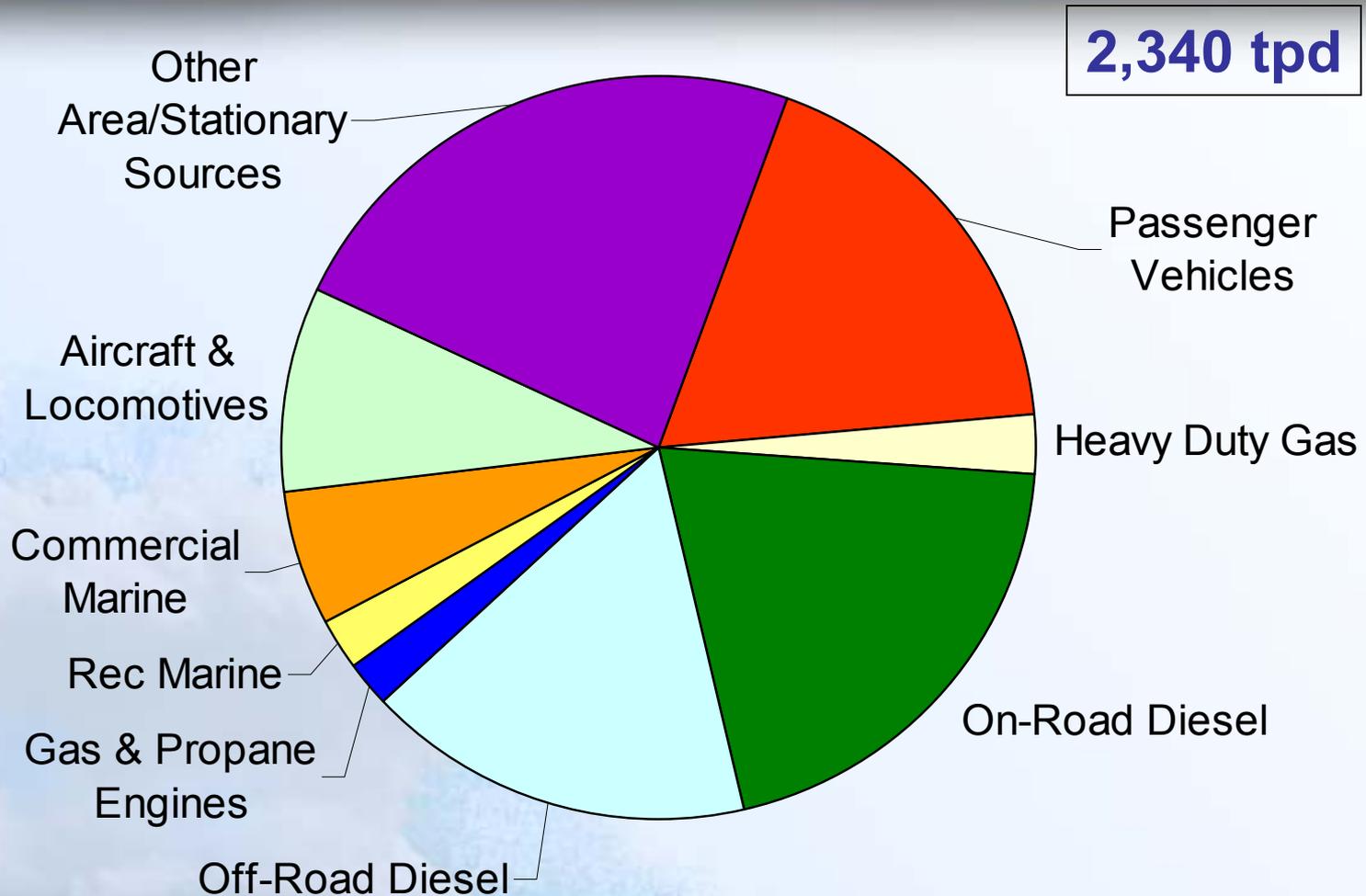
# South Coast Ozone SIP

- Meeting 2010 deadline requires a 50% reduction from today's emission levels
- Need additional reductions from federal, State, and local agencies
- Summit focuses on State and federal element
- State law requires District to adopt all feasible measures

# Statewide ROG Emissions - 2010 after Defined SIP Measures



# Statewide NOx Emissions - 2010 after Defined SIP Measures



# Federal Responsibility

- Accelerate reductions from sources California cannot legally or practically control
  - Includes out-of-state trucks, construction and farm equipment, trains, planes, ships
  - Address new engines and existing fleets
  - Pursue mix of regulations and incentives
  - More reductions needed and feasible

# Conclusion

- Substantial new reductions are needed to attain federal air quality standards
- The South Coast 1-hour ozone SIP sets emission targets to be met by 2010
- The San Joaquin Valley 1-hour ozone SIP will soon set 2010 targets
- New statewide strategies also needed for tighter State and federal standards