



Air District Zero NOx Space and Water Heating Rules

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Applicability

Since 1983, Air District Rules 9-4 and 9-6 apply to natural gas-fired



FURNACES



**WATER
HEATERS**

Do not apply to:

Stoves, dryers, or water heaters and boilers larger than 2 million BTU/hr*, or other appliances

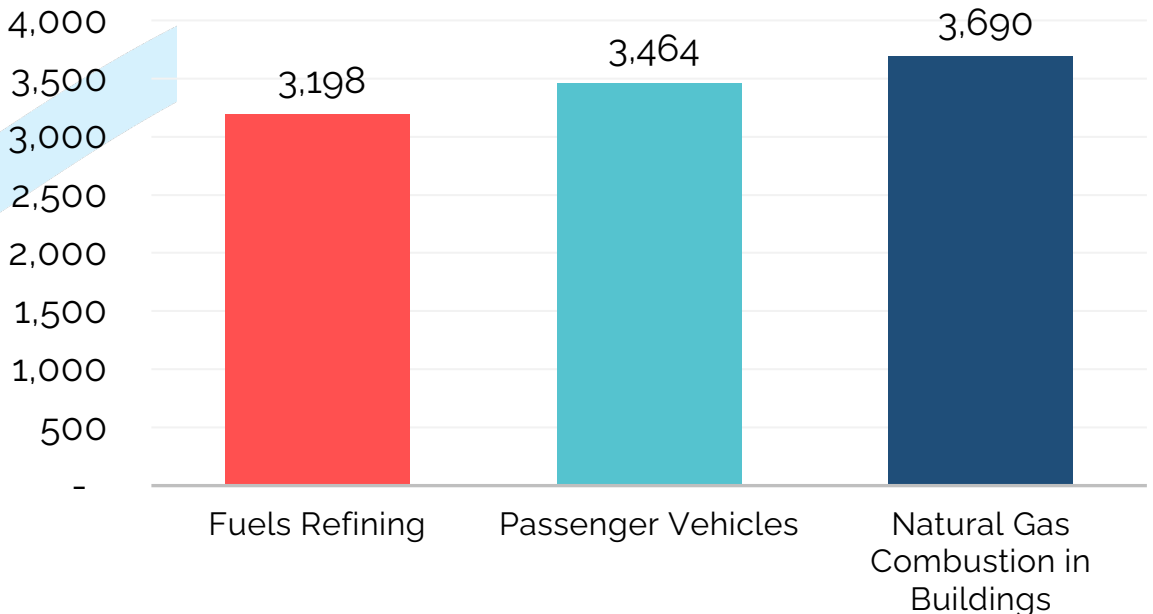
Appliances that use propane or other non-natural gas fuels

Mobile home furnaces

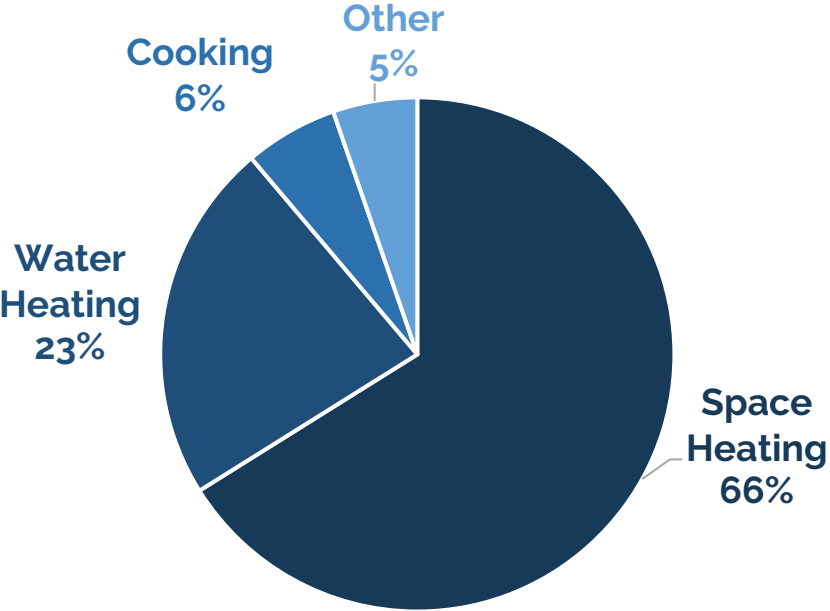
**governed by Rule 9-7*

Building NOx Emissions Overview

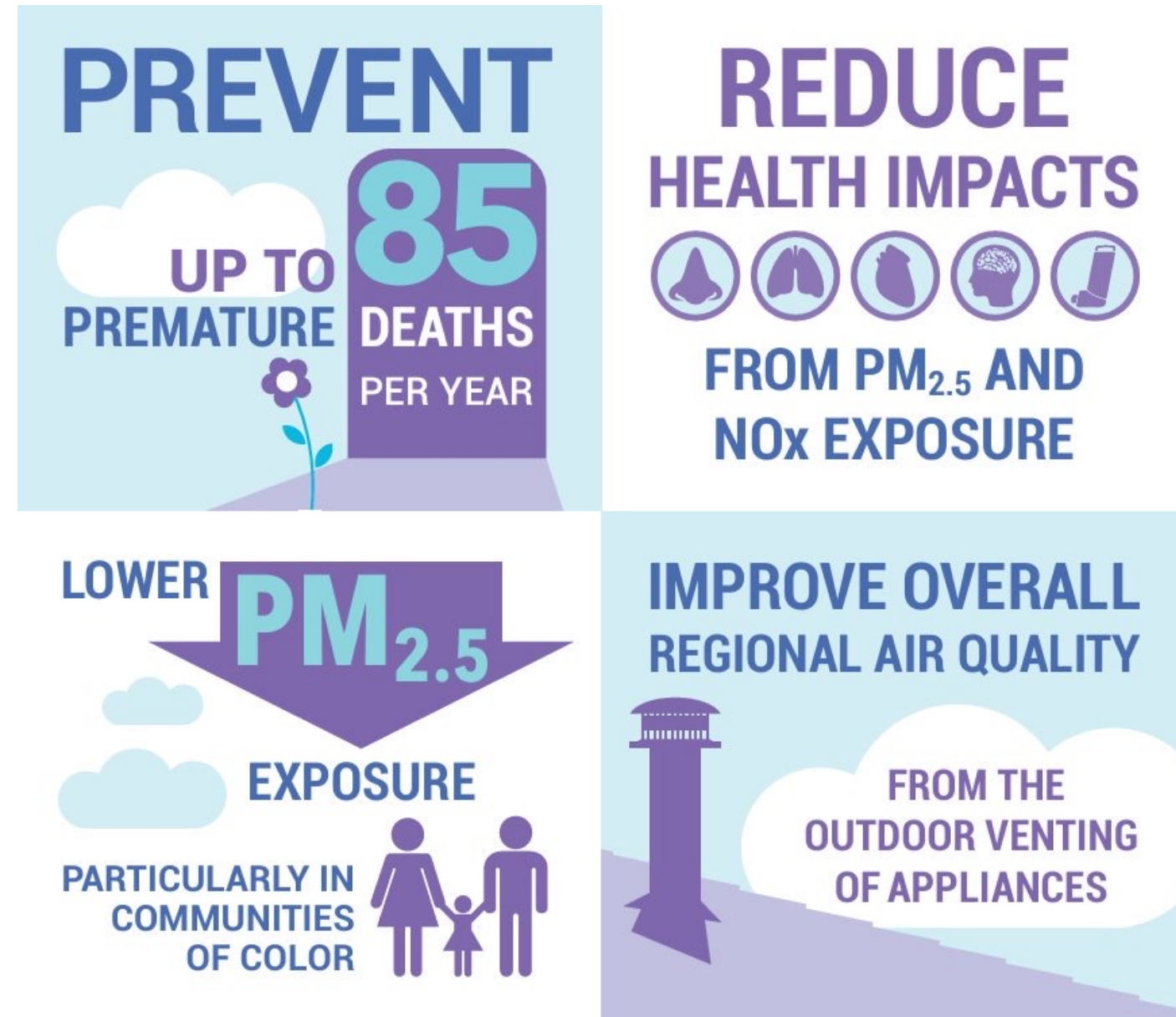
2019 Air District NOx Emissions (tons)



Air District Residential Natural Gas Combustion NOx Emissions (2019)



Health Benefits Overview



Upcoming Implementation Timelines

- **Regulation 9, Rule 4:** Nitrogen Oxides from Fan Type Residential Central Furnaces
- **Regulation 9, Rule 6:** Nitrogen Oxides from Natural Gas-Fired Boilers and Water Heaters
- **Zero NOx amendments** adopted on March 15, 2023, with future implementation dates

| | |
|-----------------|---|
| 1/1/2027 | Water heaters less than 75,000 BTU/hr* |
| 1/1/2029 | All applicable natural gas-fired furnaces (e.g., residential and commercial; including direct-vent units) |
| 1/1/2031 | Water heaters 75,000 to 2 million BTU/hr |

*BTU/hr = British thermal units per hour

Interim Report

- Introduction of requirement for both rules for interim report to come back to the Board of Directors no later than two years prior to the compliance date
 - Technology options currently (and projected to be) available
 - Market availability of such technology
 - Projected costs of purchase and installation
 - Incentive programs available to reduce costs

Implementation Working Group

Advisory group helping inform periodic reporting to Air District Board on technical readiness and equitable transition for rule implementation

40+ Members

**Environmental
Justice and
Community-
Based
Organizations**

**Subject Matter
Experts**

**Regional/Local
Government
and State
Agencies**

**Labor and
Trade
Organizations**

**Utilities and
Community
Choice
Aggregators**

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Concepts Paper for Further Amendments

Potential concepts on flexibilities for Rule 9-6 (Small Water Heaters) to address affordability and availability considerations

1. Equipment type sales exemption
2. Limited certified exemptions

[Link to concept paper](#)

Next Steps



Consider Public and Board feedback and direction on staff's potential flexibility concepts (December 10th Stationary Source Committee)



Conduct Public Workshop(s) to discuss potential amendments with stakeholders to better inform staff on strategy development



Report back to the board with updates and recommendations

Questions/Feedback

For more information:

<https://www.baaqmd.gov/en/rules-and-compliance/rule-development/building-appliances>

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