

FHR Pine Bend Air Emissions Review

November 10, 2008

FHR Air Emissions History – 1980's – 1990's

- 1980s – local area nonattainment for Sulfur Dioxide emissions
- Ambient Air Monitoring Sites installed
- Clean Fuels Standards – gasoline and diesel

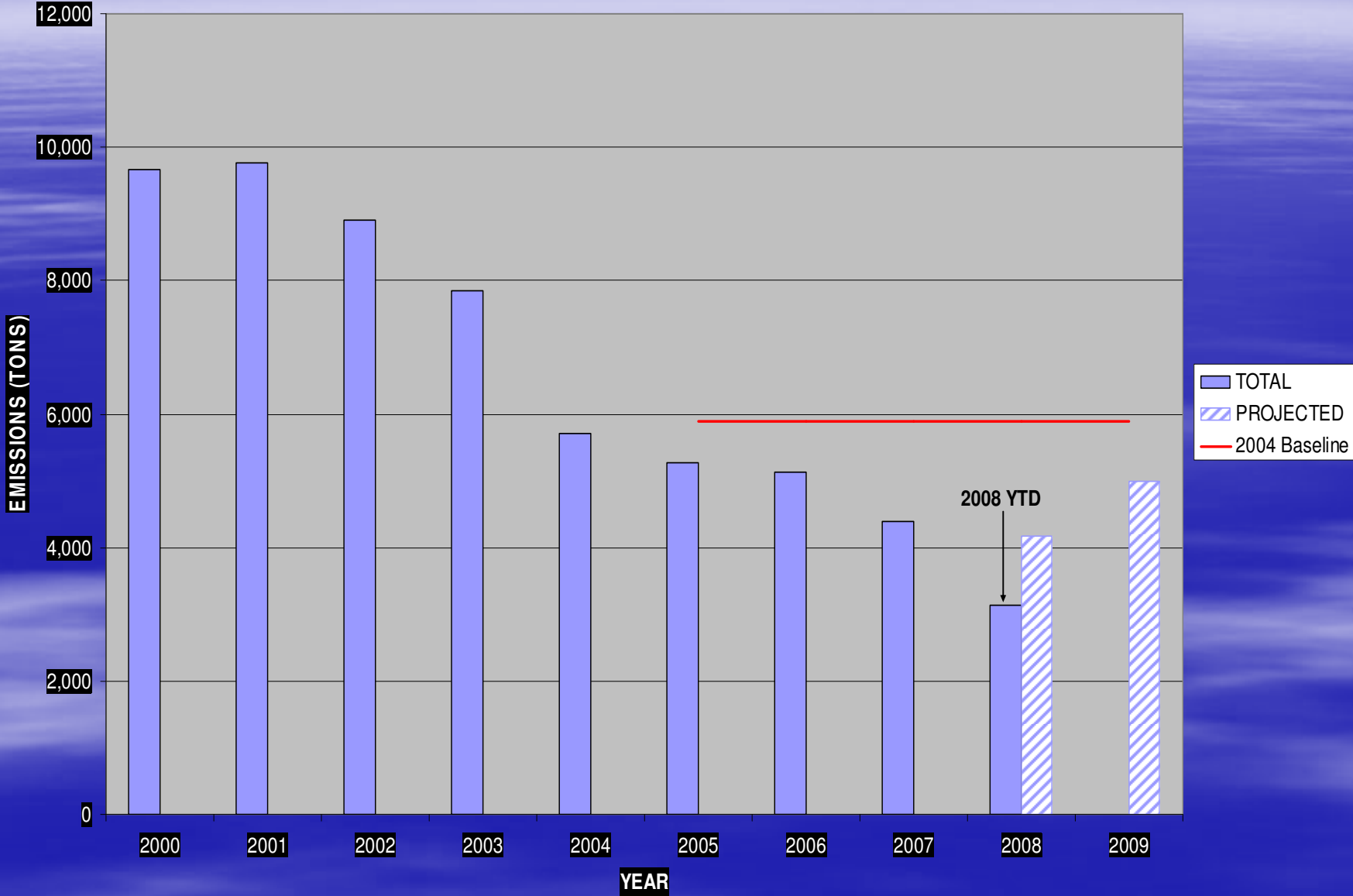
FHR Air Emissions History – Last 10 Years

- Emissions Reduction Initiative – air emissions reduced by greater than 50%
- Flaring Reductions
- Emissions Reductions from planned and unplanned operating events
- Commitment to “emissions neutral” approach new unit startup and expansion project

FHR Recent Project History

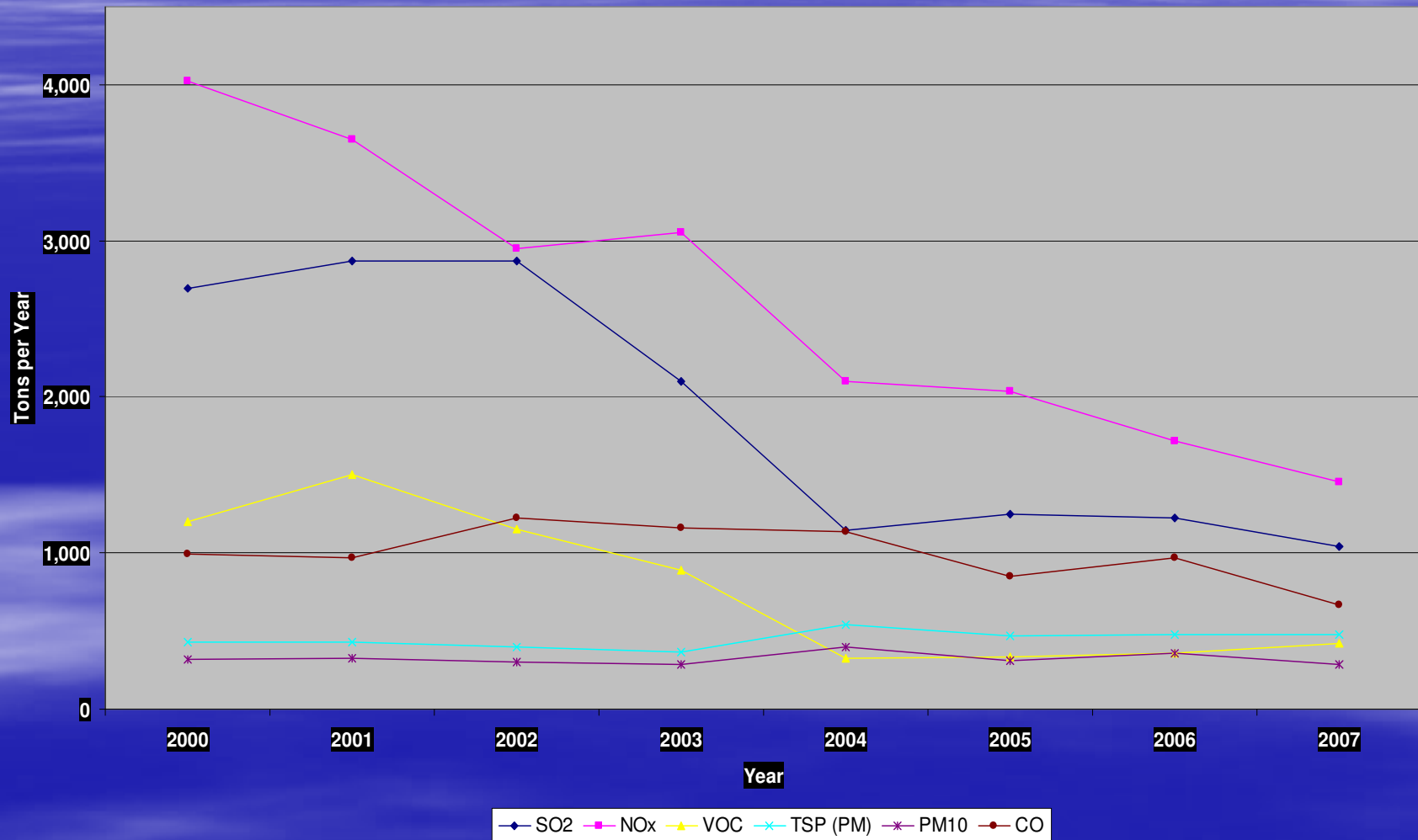
- Infrastructure & Technology Upgrades (Cat Cracker Upgrade, Coker Safety Projects, Process Sewer Upgrades)
- Cleaner Diesel Standards (Hydrocracker, Hydrogen Plant, storage tanks)
- Crude Expansion Project
- Water Reuse Project

TOTAL AIR EMISSIONS



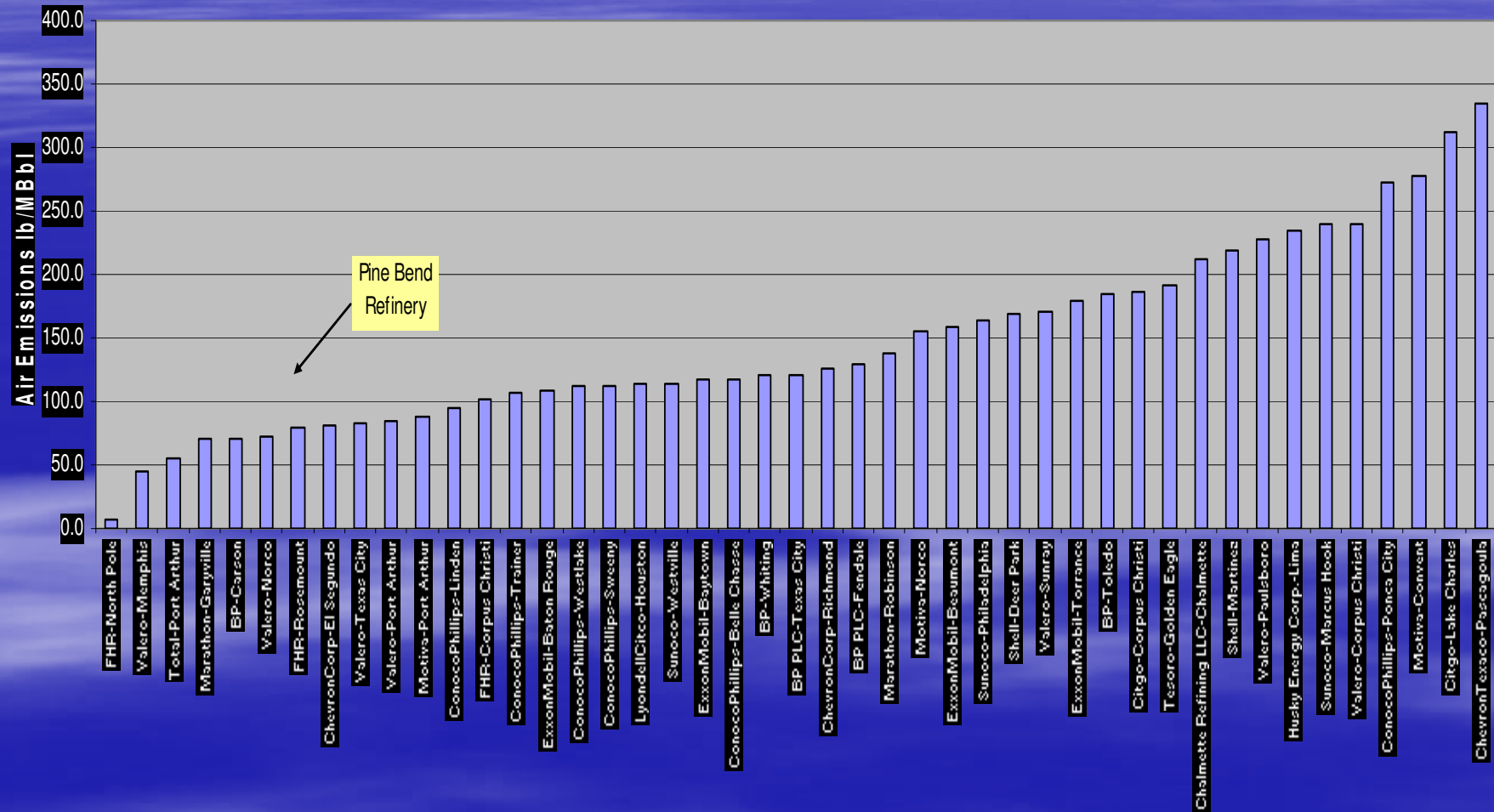
FHR Air Emissions Trend

AIR EMISSIONS BY POLLUTANT



Pine Bend National Comparison

Nation's Largest Refineries



Future Outlook

- Crude Expansion Ramp-Up
- Coke Drum Replacement Project
- Changes due to Regulatory Demands -
Low Benzene Fuel project
- Renewable Fuels & Greenhouse Gases
- New Maintenance Shop / Warehouse