

# April 2016 MAG Conformity Analysis



**Final Phase Public Hearing  
June 7, 2016**

ENVIRONMENTAL  
PROGRAMS

# Transportation Conformity

- **Transportation and air quality are linked**
- **Clean Air Act requires transportation plans, programs, and projects to conform to the purpose of the air quality plans**
- **Ensures that transportation activities do not cause violations of the air quality standards**
- **Air quality plans set motor vehicle emissions budgets**



## ENVIRONMENTAL PROGRAMS



# Conformity Requirements

- The Transportation Improvement Program (TIP) and Regional Transportation Plan (RTP) must pass the conformity emissions tests
- Latest planning assumptions and emissions models
- Timely implementation of transportation measures
- Consultation

## ENVIRONMENTAL PROGRAMS

# Conformity and Expanded MAG MPA Boundary

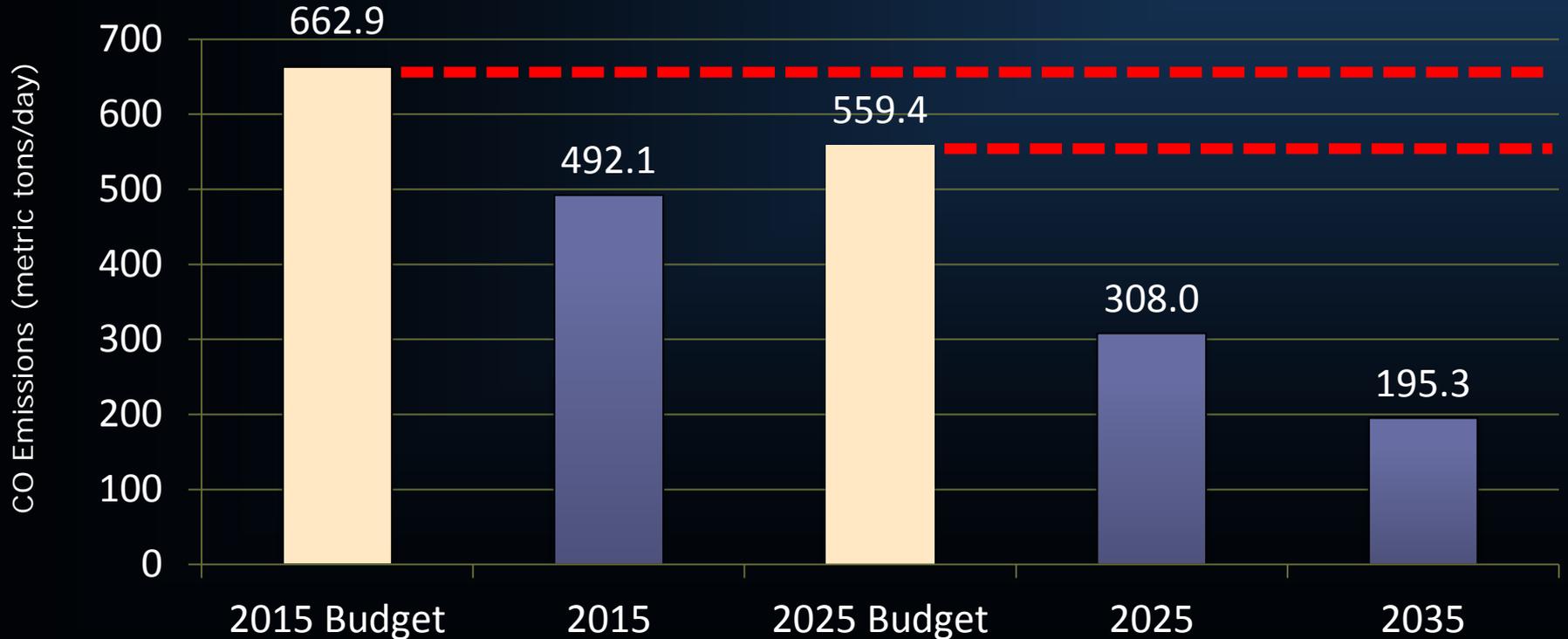
- Expanded MAG MPA boundary and Sun Corridor Metropolitan Planning Organization MPA boundary include portions of the Pinal County PM-10 and PM-2.5 nonattainment areas
- Both Pinal County nonattainment areas are completely covered by the 2 MPOs
- Transportation conformity is required to be demonstrated for both nonattainment areas by both MPOs
- MAG is preparing the conformity analyses for the Pinal County nonattainment areas to help the Sun Corridor MPO





# Carbon Monoxide Results for Conformity Budget Test Maricopa County Maintenance Area

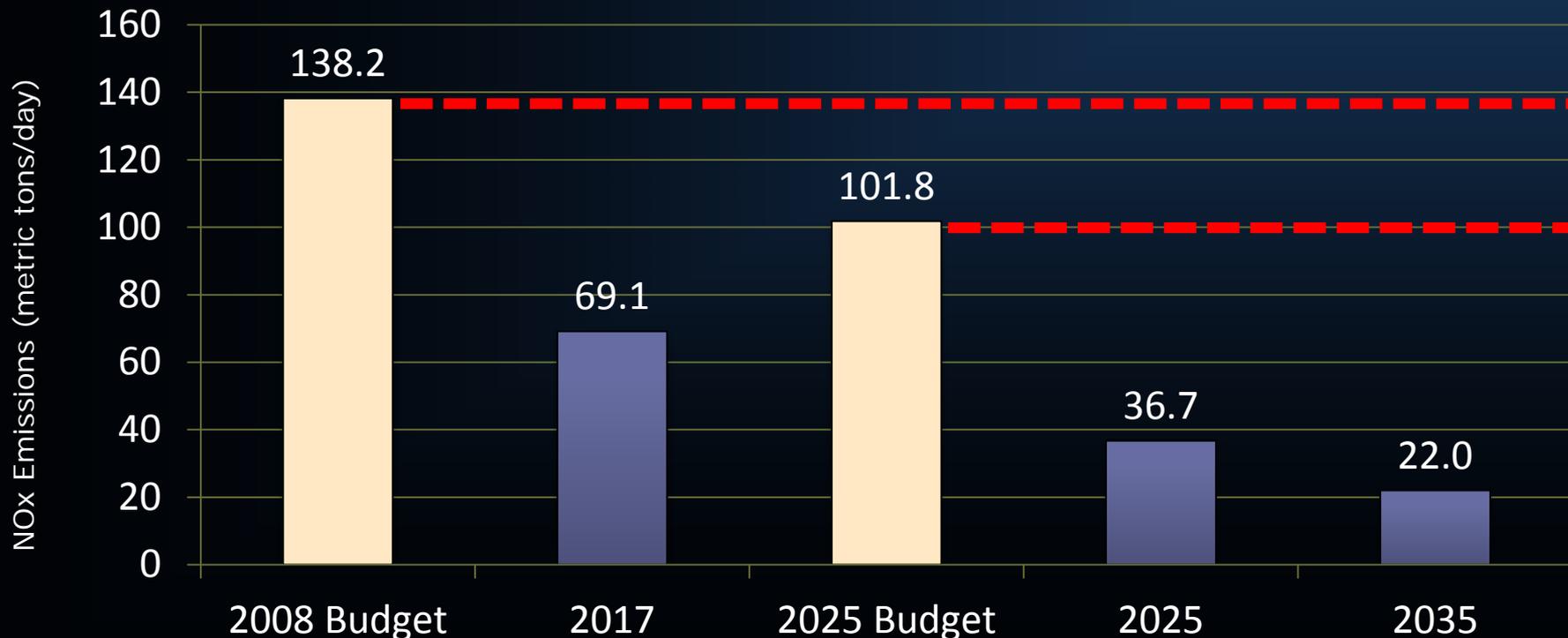
## Friday in December: Episode Day Conditions



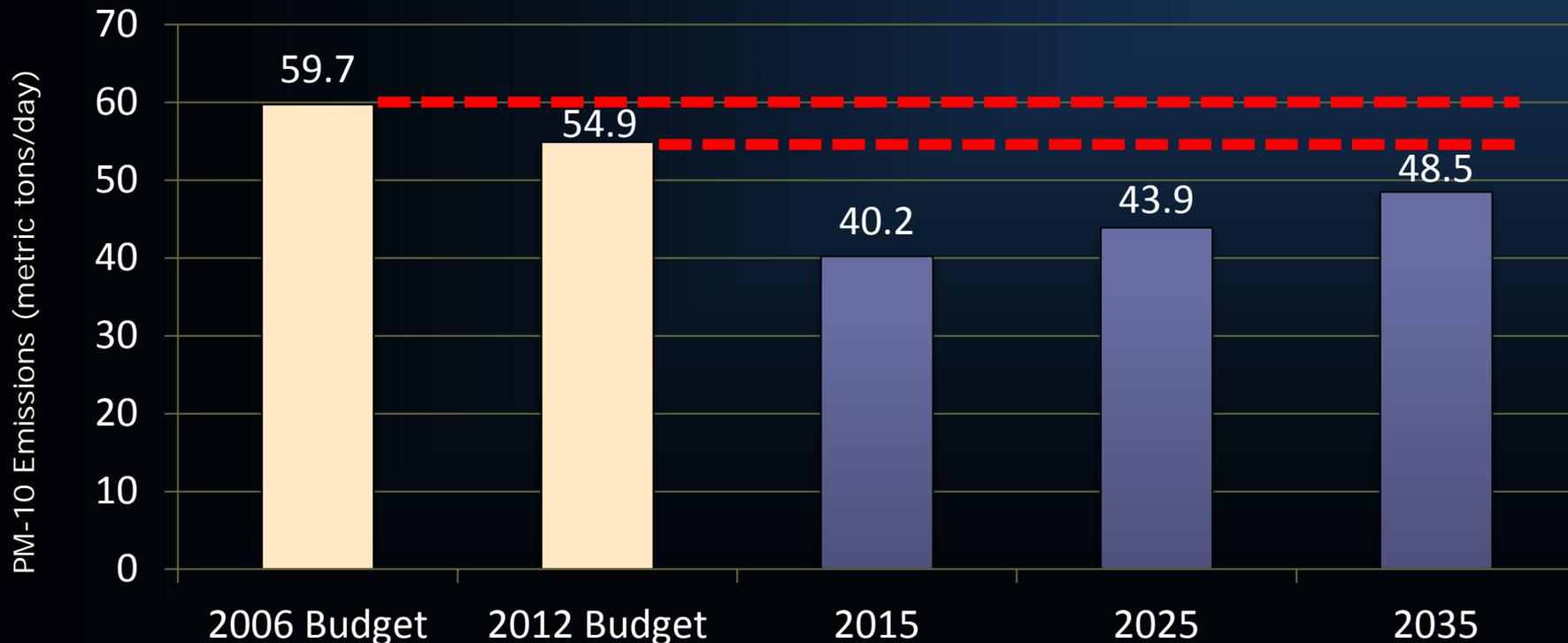
# Eight-Hour Ozone: Volatile Organic Compounds (VOC) Results for Conformity Budget Test Maricopa County Nonattainment Area Thursday in June: Episode Day Conditions



# Eight-Hour Ozone: Nitrogen Oxides (NOx) Results for Conformity Budget Test Maricopa County Nonattainment Area Thursday in June: Episode Day Conditions

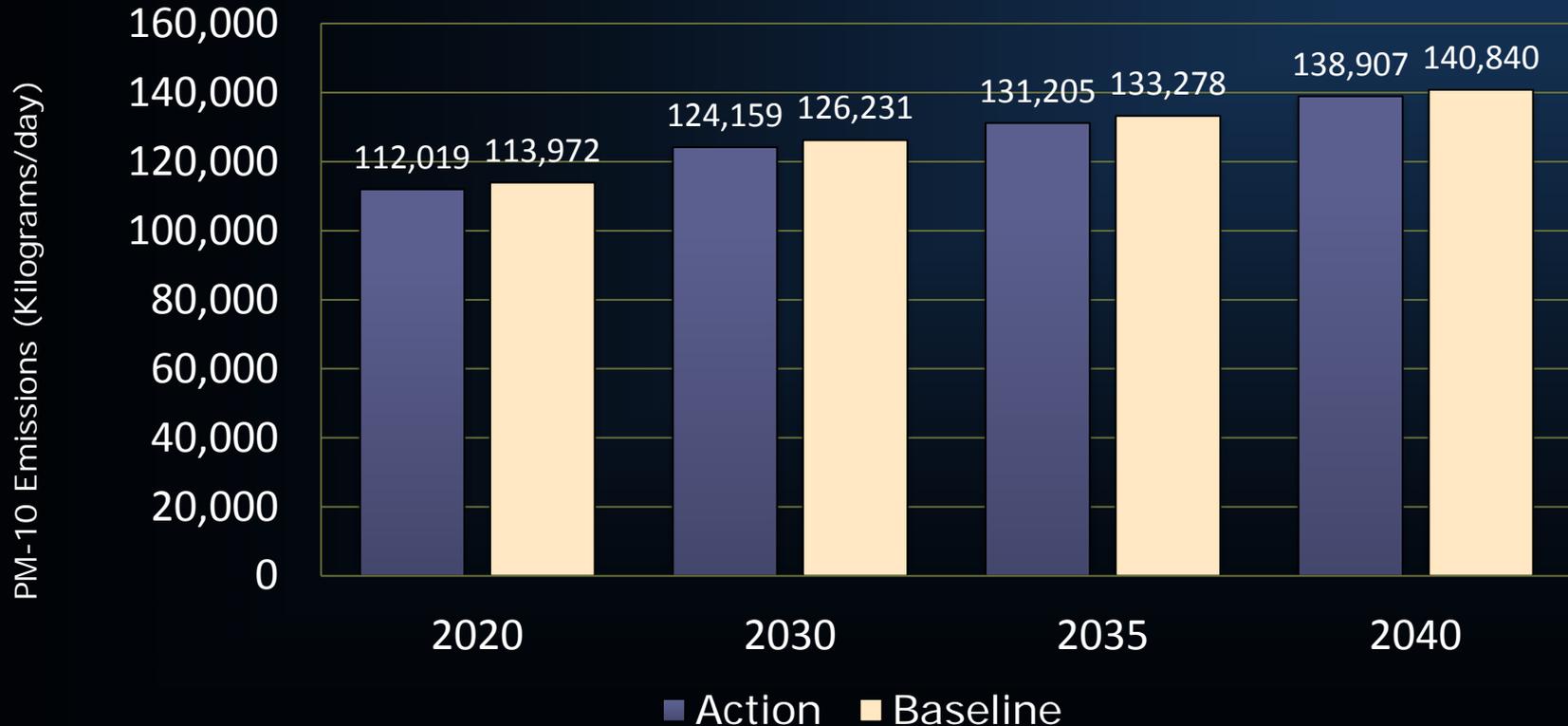


# PM-10 Results for Conformity Budget Test Maricopa County Nonattainment Area Annual Average Day Conditions

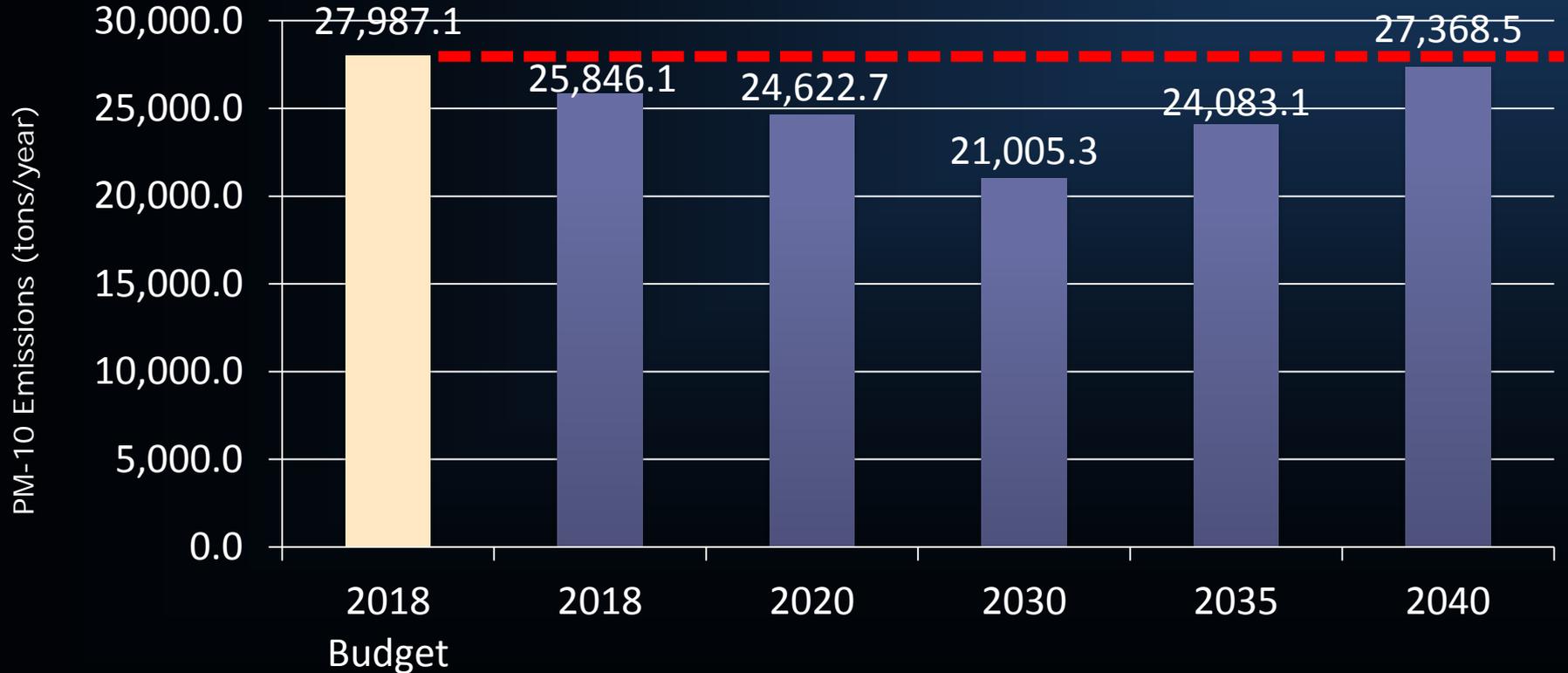


# PM-10 Results for Conformity Interim Emission (Action/Baseline) Test

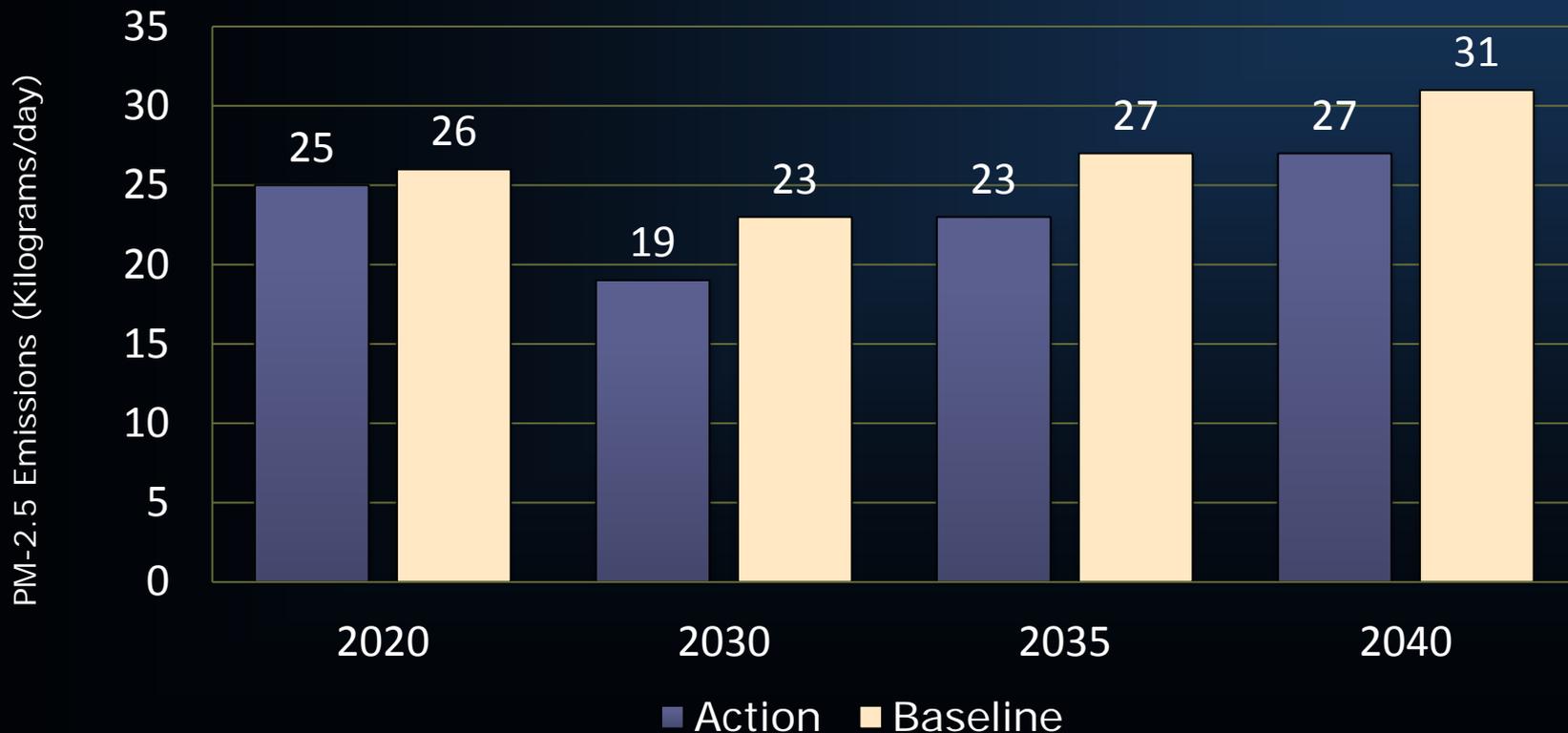
## Pinal County PM-10 Nonattainment Area



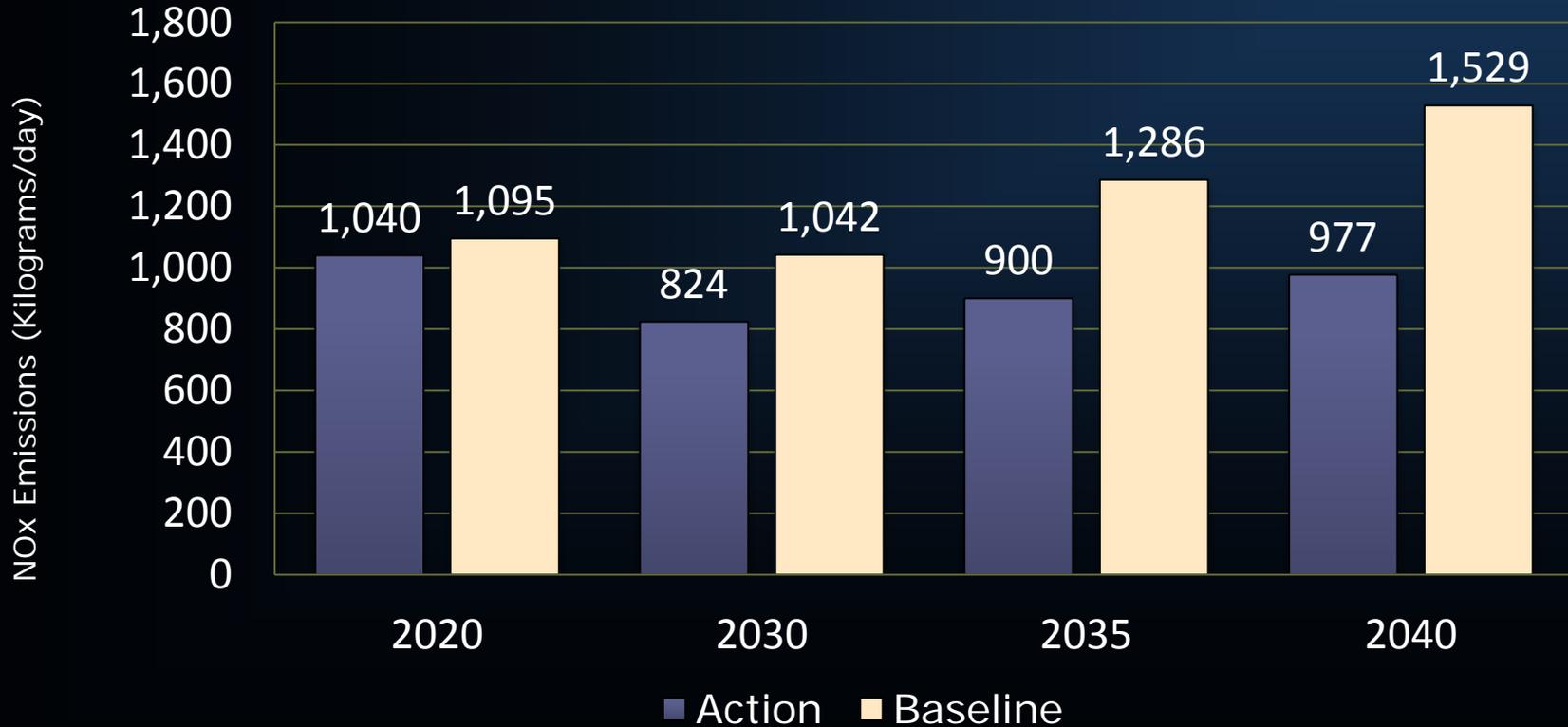
# PM-10 Results for Conformity Budget Test Pinal County Nonattainment Area



# PM-2.5 Results for Conformity Interim Emission (Action/Baseline) Test Pinal County PM-2.5 Nonattainment Area



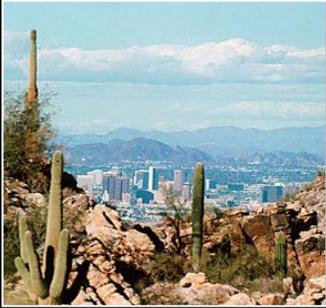
# NOx Results for Conformity Interim Emission (Action/Baseline) Test Pinal County PM-2.5 Nonattainment Area



ENVIRONMENTAL  
PROGRAMS

## Conformity Schedule

- **May 5, 2016 – Documents available for 30-day public review**
- **June 7, 2016 – Public Hearing**
- **June 8, 2016 – Management Committee recommendation**
- **June 22, 2016 – Regional Council approval**





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