



**Marathon  
Petroleum Corporation**

# **Joint Advisory Committee for the Improvement of Air Quality in Ciudad Juarez, Chih. / El Paso, TX / Doña Ana County NM Air Basin**

## **Marathon Petroleum Introduction**

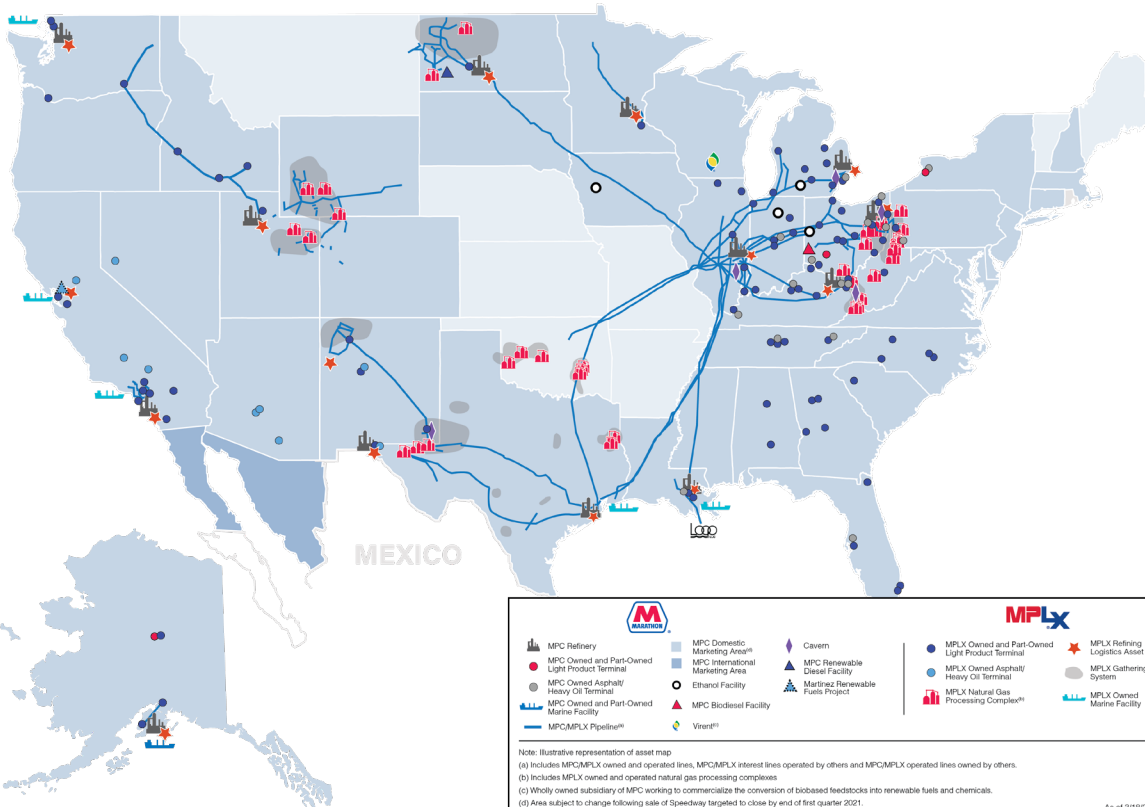
May 7, 2021

# Marathon Petroleum Corporation

- Established in 1887, MPC has been in business more than 130 years
- Headquartered in Findlay, Ohio
- Geographically and strategically aligned operations across refining, midstream and retail marketing
- Industry leader emphasizing environmental responsibility and characterized by safe and reliable operations



# Marathon Petroleum Integrated System



## Refining & Marketing

- ~2.9 million barrels per calendar day of refining capacity from 13 refineries in 12 states
- ~7,100 branded outlets where independent entrepreneurs maintain primarily Marathon-branded stations
- ~1,100 direct dealer locations, primarily in Mexico and Southern California, largely under the ARCO brand
- Renewable fuel production includes facilities in Dickinson, North Dakota, Cincinnati, Ohio and Martinez, California (Martinez currently in development)

## Midstream

- ~11.8 billion standard cubic feet per day of natural gas processing capacity
- 112 owned and operated light product and asphalt terminals
- Transports and stores crude oil and refined products via pipelines, terminals, towboats and barges
- Gathers, processes and transports natural gas
- Gathers, transports, fractionates, stores and markets natural gas liquids
- Owns the general partner of MPLX LP

# Core Values and Stakeholder Engagement

Our values guide the way we treat each other and all our stakeholders.



## Stakeholders

- +Business Partners +Communities +Customers
- +Government +Shareholders +Our People



# Sustainability and Social Responsibility



U.S. EPA Energy Star

2020 Partner  
of the Year

Sustained Excellence  
Award

3<sup>rd</sup> Year in a row -  
only recipient in our  
industry

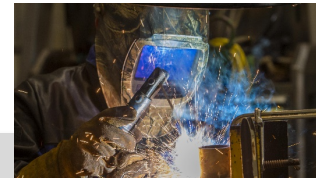


**GHG intensity goal**

**30% below**

2014 levels by 2030

Goal linked to  
Executive Compensation



Reduce Midstream  
methane intensity

**50%**

by 2025 from 2016

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**>20%**

reduction in freshwater  
withdrawal intensity by 2030



More than

**\$16 million**

Invested in our  
**communities** in 2020  
MPC Foundation, Corporate  
Giving  
and Employee Giving match

# El Paso Refinery



- Our El Paso refinery was originally two facilities with the north portion built by Chevron in 1928, and the south portion built by Texaco in 1931. The operations of both sites were modernized over the years, and the two plants were combined in 1993.
- The El Paso refinery has a crude oil refining capacity of approximately 131,000 barrels per calendar day (bpcd). The refinery processes sweet and sour crudes into gasoline, distillates, heavy fuel oil, asphalt and propane and has access to the Permian Basin shale region. Products are delivered from the El Paso refinery by truck, rail, and pipeline.
- The Marathon Petroleum El Paso Refinery is notable exporter for our region- EPR supplies Mexico, Tucson, Phoenix, Albuquerque
- 450 Employees
- We utilize approximately 729 vendors, contractors, businesses

# El Paso Refinery – Environmental Permits

## ■ Western Refining Company LLC

- Refining Assets
  - Heaters
  - Boilers
  - Flares
  - Fluid Catalytic Cracker
  - Wet Gas Scrubber
  - Other Refining Equipment

## ■ Title V Permit O-1348

## ■ TCEQ NSR Permit – 18897

## ■ EPA Consent Decree

## ■ EPWU – Wastewater Discharge

## ■ TCEQ – Stormwater Permit

## ■ Western Refining Terminals LLC

- Logistics Assets
  - Storage Tanks
  - Loading Racks
  - Terminals
  - Asphalt Plant

## ■ Title V Permit O -3929

## ■ TCEQ NSR Permit – 93546

## ■ EPA Consent Decree

# Environmental Compliance Programs

- **Flares/MACT CC**
- **Cooling Towers**
- **Fence line Monitoring**
- **Stack Testing/CEMs**
- **Visible Emission Evaluations**
- **Green House Gases**
- **Toxic Substance Control Act**
- **EPA Consent Decree compliance**
- **Emissions Inventory Questionnaire**
- **Maintenance, Startup and Shutdown**
- **Toxic Release Inventory**
- **MACT 5D Boiler**
- **MACT R**
- **Loading/Unloading**
- **Outdoor Burning (Firefighting Training)**
- **Citizen Advisory Panel (voluntary)**
- **Leak Detection and Repair**
- **Benzene Waste Operations NESHAP**
- **Industrial Wastewater**
- **Resource Conservation Recovery Act**
- **Stormwater**
- **Wastewater**
- **Tank Seals**
- **Corrective Action Management Unit**
- **Asbestos**
- **SARA Tier II**
- **Spill Prevention Control and Countermeasures**
- **New Source Review Permitting**
- **Title V Permitting**
- **Title V Compliance Certification**
- **Upset Reporting**
- **Odor Investigations (voluntary)**

# El Paso ,Environmental Staff

- Luis Martinez, HES Manager
  - BS in Chemical Engineering, University of Houston
  - MS in Chemical Engineering, University of Houston
  - 19 Years of refining experience
  
- John Moore, P.E., Environmental Supervisor,
  - BS in Civil Engineering, University of Wyoming
  - MS in Environmental Engineering
  - 26 Years of environmental compliance experience
  
- Rebecca Ayala, Advanced HES Professional
  - BS in Civil Engineering, University of Texas at El Paso
  - MS in Environmental Engineering, University of Texas at El Paso
  - 25 Years of environmental compliance experience
    - Includes 5 years of regulatory experience with TCEQ
  
- Yvonne Ojeda, Advanced HES Professional
  - BS in Chemical Engineering, Texas Tech University
  - 20 years of environmental compliance experience

# El Paso Environmental Staff

## ■ Ruben Iguaran, HES Professional

- BS in Industrial Engineering, University of Texas at El Paso
- 19 Years of environmental compliance experience

## ■ Sean Woodard, HES Professional

- BS in Chemical Engineering, Texas A&M University – Kingsville
- 14 years of environmental compliance experience

## ■ Grace Poling, HES Professional

- BS in Environmental Science, Ohio State University
- 6 years of environmental compliance experience

## ■ Valente Morales, Environmental Technician

- 30 years environmental field compliance experience

Total combined on site staff  
experience = 140 years



# Other Refinery and Contract Staff Involved in Environmental Compliance

- 10 full time contractors who monitor valves, pumps, drains and connectors for leaks
- Operations staff conducting daily routine duties
  - Monitoring stack emissions on control boards
  - Visually inspecting equipment for leaks or spills
- Mechanics performing repairs and routine maintenance to prevent leaks, releases, spills
- Engineers evaluating impact on compliance and the environment with each project
- Contractors performing tests on stacks to meet emissions tests
- Operation monitoring wastewater discharges
- Corporate staff advising and assisting refinery environmental staff
- Refinery manager reviews and certifies all environmental compliance requirements as per Title V regulation.