



Los Angeles Sustainability Highlights

At the Marathon Petroleum Corporation (MPC) Los Angeles refinery, our commitment to sustainability means taking actions that create shared value with our stakeholders — empowering people to achieve more, contributing to progress in our communities and protecting the environment we all share.



STRENGTHEN RESILIENCY

Lowering Carbon Intensity

Tangible Pathway to Reduce GHG Emissions at the Los Angeles Refinery

Replacing steam production equipment with new, higher-efficiency and lower-emission equipment

Implementing **Focus on Energy program** to reduce overall energy use

Installing an electrical intertie between Carson and Wilmington operations, making electricity generation more efficient

Electrifying select steam turbines to reduce energy demand

These efforts are part of MPC's companywide target to reduce Scope 1 and 2 greenhouse gas (GHG) emissions intensity

30% by 2030 from 2014 levels



Conserving Natural Resources

Conserving Water

142 million gallons of fresh water saved in 2022



Improving Air Quality Surrounding the Los Angeles Refinery

26% reduction in criteria pollutant emissions from 2016 to 2022

1.3 tons/day reduction of NOx emissions from 2016 to 2022

- Installed a **fence line air monitoring system** that provides near-real time information on air pollutants
- Funded three community **air monitoring stations** in Carson and Wilmington

Focus Areas to Further Reduce Emissions

SOX (sulfur oxide)
Projects planned to reduce sulfur in refinery fuel gas

NOX (nitrogen oxide)
Upgrading catalyst in current NOx reducing units and commissioning new units

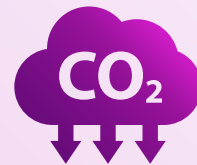
PM10 (particulate matter)
Converting portable diesel equipment to electric or natural gas where possible

INNOVATE FOR THE FUTURE

Renewables and Emerging Technologies

Carbon Capture and Utilization

153,000 tons of CO₂ captured at the Los Angeles Refinery in 2022 for use in **industrial applications** and **food and beverage industry**



MPC Serving the California Market

Martinez, California Renewable Fuels Facility Conversion

730 million gallons/year capacity

60% reduction in GHG emissions expected compared to previous refinery operations

Reached **phase 1** production capacity

- 260 million gallons per year



Dickinson, North Dakota Renewable Diesel Facility

184 million gallons/year capacity

Producing a **~50% lower** carbon intensity renewable diesel



EMBED SUSTAINABILITY

Engaged and Energized Workforce

20% of annual employee bonus program linked to environmental, social and governance (ESG) performance

- GHG Intensity
- Diversity, Equity and Inclusion
- Designated Environmental Incidents
- Process Safety Events



1,475 employees



7 employee networks to support a diverse workforce and an inclusive environment

Engaging Our Community

\$2.1 million+ invested in the Los Angeles community by MPC and our employees in 2022



422 nonprofits supported in 2022

2,004 employee volunteer hours in 2022



31 years of supporting local youth and the communities through the Summer Youth Program

Commitment to Safety

33% reduction in process safety events in 2022



Los Angeles Refinery at a Glance

Located in Los Angeles County, California, near the Los Angeles Harbor, the refinery is a major producer of high-quality fuels. It processes crude oil from California and Alaska's North Slope, as well as South America, West Africa and other international locations. Manufactured products are shipped via connections to several product distribution pipelines and terminals.

Products Manufactured:

- California Air Resources Board (CARB) gasoline
- California Air Resources Board (CARB) diesel fuel
- Conventional gasoline
- Distillates
- Fuel-grade coke
- Anode-grade coke
- Chemical-grade propylene
- Heavy fuel oil
- Propane



2022 Awards and Recognitions

Continuous Collaborations Award

Strength-Based Community Change Thrive LA



Carson Chamber of Commerce

Corporate Leadership Award



Young Horizons Child Development Centers

Champion of Children



Corporate Philanthropy Award

Los Angeles Harbor College



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Marathon Los Angeles Refinery: marathonpetroleum.com/Operations/Refining/Los-Angeles-Refinery/



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