



Richmond Refinery
841 Chevron Way
Richmond, CA 94802

MCE SOLAR ONE AT CHEVRON RICHMOND

road to net zero
advancing a
lower carbon future
in richmond

“Chevron is excited to help lead the energy transition in Richmond. We believe the future of energy is lower carbon, and we support the global net zero ambitions of the Paris Agreement.”

Mauricio Molina, Strategic Planning Manager
Chevron Richmond



the future of energy

We believe the future of energy will be lower carbon. Our strategy is straightforward: Be a leader in efficient and lower carbon production of traditional oil and gas energy, in high demand today and for years to come, while growing the lower carbon businesses that we believe will be a bigger part of the future.

energy transition projects

Chevron’s approach envisions the use of green, blue, and gray hydrogen. We believe the use of blue and green hydrogen as a fuel source can help reduce the amount of GHG emissions entering the atmosphere.

At Chevron Richmond, capacity in the new, more efficient hydrogen unit, combined with existing and future strategic partnerships, will be the foundation to support hydrogen demand growth in the heavy-duty transportation, industrial, and power sectors.

turning waste into green hydrogen

Chevron is invested in Raven SR Inc., a renewable fuels company that plans to build modular waste-to-green hydrogen production units and renewables synthetic fuel facilities. Republic Services announced that one of these hydrogen production facilities, which is combustion free, is slated for Richmond’s West Contra Costa Sanitary Landfill. Starting in 2022, Raven plans to process up to 99.9 tons of organic waste per day to produce up to 2,000 tonnes per year of green hydrogen in Richmond.

“As mayor of Richmond and chair of MCE’s Board of Directors, I can say with the highest confidence that our community is ready and committed to generating 100% renewable hydrogen.”
Richmond Mayor Tom Butt

“I support the opportunity to advance California’s investment in emissions-free green hydrogen technology in the City of Richmond. This project will help power our zero-emission transportation system.”
Contra Costa County Supervisor John Gioia

powered by the sun

MCE and Chevron are planning to transform the Solar One site, located on Chevron Richmond land, into a solar-powered green hydrogen facility. If fully approved and converted, the Richmond Green Hydrogen One project is designed to have the capacity to produce 1,000 kilograms of renewable hydrogen per day.

products of the future

Chevron announced in September that we will invest more in Renewable Natural Gas (RNG) projects, such as the projects we currently have in the Central Valley. RNG projects capture methane that is currently emitted to the atmosphere and turn it into a valuable lower carbon fuel. For instance, gas from dairy farms, wastewater and landfills could provide feedstock at scale.

Our work to create fuels of the future—like hydrogen, renewable diesel, and sustainable aviation fuel—seeks to lower the carbon intensity of these products and support our customers’ efforts to reduce their greenhouse gas emissions. We plan to leverage our existing refining system, which includes Chevron Richmond, to grow production of these fuels. Opportunity also exists for storage of carbon, a critical enabler of global net zero ambitions.



Scan this code to learn more about the different types of hydrogen.

We are committed to engaging the community in the future as our plans evolve. Visit richmond.chevron.com for updates.



Chevron recently published our fourth Climate Change Resilience report, scan this code to read more.