

the  
human energy  
company 

# chevron richmond

community report





## welcome!

We are committed to being good neighbors and providing affordable, reliable and ever-cleaner energy that powers our community. We seek to continue improving our environmental performance, enhancing community partnerships and enabling economic development.

Tolly Graves, Director  
Chevron Richmond

# We are committed to being good neighbors and providing affordable, reliable and ever-cleaner energy that powers our community.



## calling Richmond home since 1902

For more than a century, we have shared a proud heritage with the community. By working together, we can help create a brighter future.



## deploying the best talent

Our operations in Richmond support approximately 3,000 employees and contractors – making us the largest employer in Richmond.



## enabling human progress

The energy we provide improves lives and enables the benefits of modern society.



## powering the world forward

We supply about 60% of the jet fuel for major Bay Area airports, 20% of the gasoline in Northern California and 100% of the paraffinic base oils on the West Coast.



## developing renewable fuels

We're increasing the use of renewables in a number of our products. We have the capacity to blend up to 8,500 barrels per day of renewable diesel.



## driving economic development

Our operations have contributed more than \$2 billion to the local economy by purchasing supplies and services from Bay Area businesses and paying local taxes since 2015.



## supporting the community

We've donated \$48 million to non-profit organizations, supporting workforce development, educating students and providing opportunities to youth since 2012.



## reducing emissions

Since 2018, we have reduced particulate matter (PM) emissions refinery-wide by 36%.



## tracking air quality

We fund an independently-operated community air monitoring program that tracks air quality 24 hours a day, 7 days a week.





## investing in the community

Our social investments provide services to those in need, help create opportunities and unlock progress in Richmond and beyond.

# We are committed to investing in Richmond with our time and resources in support of local organizations that make the community a better place to live and work.

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## education

Few factors are more important to the success of communities than having a well-educated population that is prepared to meet the challenges of tomorrow.

Our investments in education are long-term and far-reaching, and our support for science, technology, engineering and math (STEM) helps communities prosper. We work to create innovative education programs that position the next generation of problem solvers to tackle the most complex challenges of the future.



## fostering workforce opportunities

Many high-paying jobs in today's economy require advanced skillsets, which has led to an increasing skills gap. We work to foster economic growth in the local area by helping build skills and grow the pool of qualified local talent.

We support a wide range of job training and workforce development programs to provide opportunities for residents of all ages and backgrounds with career-building skills needed to succeed in jobs of the future.



## partnering with local suppliers

Chevron has a special focus on providing opportunities for small, minority and woman-owned businesses. Over our history in Richmond, we have helped spur many local success stories. Chevron invests in local goods and services, which supports jobs and generates revenue for local governments, communities and companies.

We are dedicated to developing and promoting successful partnerships through innovative, cost-effective solutions that fuel the mutual growth of our company and our suppliers.



## 1Hundred years enterprise has big community impact in short time

A nonprofit launched by three East Bay men who served a combined 100 years in prison has been thriving and expanding its community services.

Lejon Fahim Reese, Patrick Scott and Dante Gaines are the founders of 1Hundred Years Enterprise (1HYE), which serves to help formerly incarcerated individuals



as well as those at risk for incarceration lead constructive lives. Chevron Richmond is providing financial support to 1HYE because of the meaningful impact it is having on the community's youth.

The men served long prison sentences for serious crimes but now live productive lives by example. Now, they're frequent visitors at Contra Costa County's Juvenile Hall, where they prepare young people for careers in the building trades and offer financial literacy training, among other services. They similarly mentor at-risk youth at Greenwood

Academy and run a podcast show to enable their message to reach a wider audience.

Such efforts are paying off. Recently, three young men graduated from Juvenile Hall pre-apprenticeship program, a feat that was recognized by the North America Building Trades Unions.

"It's a blessing to have a corporation such as Chevron support the work we are doing in the community to help the youth," Reese said.

## lifelong provides asthma solutions

Amid the closure of San Pablo's Doctors Medical Center, and the consolidation and shuttering of other hospitals, LifeLong Medical Care is filling a dearth in local healthcare services that particularly impacts low-income residents. Among LifeLong's array of medical, dental and behavioral health services for multigenerational people—provided regardless of one's financial or immigration status—is its Asthma Home Visiting Program that's helping patients breathe better.

Patients participating in the program receive three virtual home visits from LifeLong's home health promoters. After the home assessments are completed, patients are given a tool kit of supplies to help them minimize their exposures, including items like a protective mattress/pillow covers, an air filter and airtight containers for food storage.

Recognizing the importance of this work, Chevron Richmond contributed to enable respiratory therapists to do more intensive work with certain families who may need more than just the home assessment.

“Our focus is identifying those who have had urgent care visits; they will be a higher priority,” said LifeLong Deputy Director Lucinda Bazile.

If there are other issues in the home expanding beyond what the home health promoter covered in the virtual home visits—such as mold and carpet that needs to be removed—Bazile says a lot of additional things can be accomplished with the support Chevron Richmond provided.

### **richmond’s ons ‘loves on’ at risk people to end gun violence**

Since hitting the ground running in October 2007, the City of Richmond’s Office of Neighborhood Safety (ONS) has worked to reduce and end gun violence, one individual at a time. ONS uses two key strategies. The first is Street Outreach, where ONS staff connects with people at high risk for gun violence and encourages them to tap into life altering resources and organizations. The second strategy is Operation Peacemaker Fellowship, which walks at-risk individuals through an 18-month process to get them on a more positive trajectory.

In cohorts of approximately 12-19 people, ONS teaches participants “to learn how to deal with life without engaging in violence,” said Sam Vaughn, deputy director of ONS.

It takes the whole community to prevent violence. Vaughn credited organizations like RYSE, RPAL and the Safe Return Project and the generous contributions of the local business community, such as Chevron Richmond, for helping support ONS in providing resources and opportunities for its at-risk clients.

### **helping make higher education possible**

Chevron Richmond is investing \$35 million in the Richmond Promise, over 10 years, to help make college more affordable and attainable for local students. An important aspect of this support is facilitating the early and frequent engagement of students and families to build a college-bound culture in Richmond. There are currently over 1,900 Richmond Promise scholars attending over 125 different colleges and universities across the country.



In addition, the Chevron Richmond Somos (LatinX) and Black Employee networks coordinate scholarships for local students to help them achieve their educational goals. Every year, network members volunteer to review scholarship applications, as well as host an award ceremony for students, their families and the community to honor academic achievements. Over the past 20 years, the two networks have collectively awarded over 280 scholarships for Richmond students.





## what we do

We create products that fuel progress here in Richmond and around the world. These products are produced with care by our dedicated team of operators, engineers, scientists and other professionals.



# We work hard to protect the environment and empower people where we operate.

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We are committed to operating in a safe and environmentally responsible manner, which is why we've invested significant resources over the years in new equipment and technologies that have directly improved our safety and environmental performance. We have a long-standing commitment to reduce emissions. By investing in new technologies and efficiencies, we have reduced criteria air emissions by 86% over the last 50 years.



## conserving water

We have invested in technologies to reduce our freshwater usage. As a result, Chevron Richmond has become one of the largest industrial users of reclaimed water in the San Francisco Bay Area.

By using recycled water for most of its water needs, the refinery frees up enough drinking water to meet the indoor and outdoor water needs of more than 83,000 residents.



## measuring air quality

Air monitoring is one of the tools used to understand neighborhood air emissions and increase transparency. That is one reason why we implemented a third-party air monitoring system along our fence line and within the community, with real-time data at [www.richmondairmonitoring.org](http://www.richmondairmonitoring.org).

A 2019 scientific study showed that air quality in Richmond from 2015-2017 was similar to other urban communities in the Bay Area and is most impacted by regional wildfires and periods of high traffic.

In addition, there are a number of other public and private sources of air monitoring data that the community is able to access. See below for list of air monitoring websites.

[www.richmondairmonitoring.org](http://www.richmondairmonitoring.org) (funded by Chevron)

[www.baaqmd.gov](http://www.baaqmd.gov) (search air quality)

[www.transparentrichmond.org](http://www.transparentrichmond.org) (select community air monitoring)

[map.purpleair.com](http://map.purpleair.com)

[app.ramboll-shair.com/sfbayarea](http://app.ramboll-shair.com/sfbayarea)

[www.breezometer.com](http://www.breezometer.com)

[www.airnow.gov](http://www.airnow.gov)



## commitment to safety

Everything we do begins with a fundamental commitment to safety. The refinery has a comprehensive network of safety systems in place that enable us to operate safely and reliably.

Everyone at Chevron has both the right and responsibility to exercise “stop-work authority” – they can stop any operation, without any repercussions, if they believe people or the environment are in danger. We continually affirm this authority with our employees, even if it turns out that stopping work wasn’t necessary.

Over the past decade, we have taken a wide range of actions to continuously improve our process safety performance. We actively communicate these improvements with members of government and our community.

Finally, we have learned through decades of experience that our success is directly tied to the progress and prosperity of the people we work with and the communities where we operate.

**Our work is guided by two key principles:**

- **Do it safely or not at all**
- **There is always time to do it right**





### **a lower carbon future**

We believe the future of energy is lower carbon. We aspire to: 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.



### **MCE Solar One**

Chevron is providing access to 49 acres of refinery land for the MCE Solar One project, which is made possible in part by Deep Green 100% renewable energy customers who support local renewable development.



### **turning waste into green hydrogen**

Chevron is invested in Raven SR Inc., a renewable fuels company that is building an organic waste-to-hydrogen bioenergy project in Richmond. The project is located at Republic Services' closed West Contra Costa Sanitary Landfill. Raven plans to process up to 99 wet tons of green and food waste per day to produce up to 2,400 metric tons of renewable hydrogen per year that is excepted to supply local gas stations with clean, zero-carbon hydrogen fuel.





## our people

Our greatest resource is our people. We have solved some of the most complex energy challenges of the past; together we will innovate solutions for a better future.



# Diversity and inclusion are cornerstones of our corporate values, which we call The Chevron Way.

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As core values, we believe diversity and inclusion are critical to developing the talented, high-performing workforce needed for ongoing business success. We have an inclusive work environment that values the uniqueness and diversity of individual talents, experiences and ideas.

Chevron supports 12 Employee Networks that aim to reinforce and strengthen the company's commitment to build on our diverse and inclusive culture where everyone feels included, valued and purposeful. And, in helping everyone reach their full potential, they drive business success. Chevron Richmond employees apply their skills, experience and energy in volunteer activities that help strengthen the community. To the employees at Chevron Richmond, giving back to the community is part of the job.

During Hispanic heritage month, members of the Chevron Richmond Somos Employee Network volunteered at the West Contra Costa College and Career Fair at Richmond High School. They had a great time talking with students about education, life and family. The team enjoyed



introducing students to opportunities at companies like Chevron and how they apply STEM in our daily work. Khristine Pizarro, Somos Richmond lead added "I'm proud to help lead our Somos employee network at Chevron Richmond. We care about our community and want to inspire and motivate future LatinX leaders."

We are proud of how our employees have met the complex challenges of the past and are innovating for the future with ingenuity, creativity and collaboration. Among those employees are generations of families who have seen their children, cousins, aunts and uncles and even some grandchildren enjoy careers at Chevron Richmond.



## birthplace of innovation

The Richmond Technology Center (RTC) is a critical part of Chevron's history. Over the years, RTC has developed some of the world's most significant energy innovations.



# The Richmond Technology Center is the birthplace of iconic innovations that have helped push oil and fuel additive industries to new heights in quality, durability and efficiency.

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RTC developed the fuel used in the first solo trans-Atlantic flight by Charles Lindbergh and the first diesel engine oil that could be run in any diesel engine. Perhaps one of RTC's greatest achievements was the development of Techron, in 1979, as the first patented additive developed for engines running unleaded gasoline.

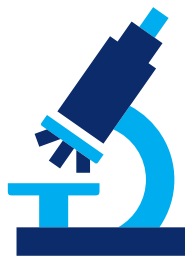
Today, scientists at RTC continue developing products to maximize fuel efficiency and help develop alternative energies to power the earth such as alternative and renewable fuels, including biofuels and solar, wind and geothermal power.

Located adjacent to the refinery, RTC provides jobs for approximately 1,200 people, including 170 PhD. scientists. The team works on research projects that equip nearly 40% of all refineries around the world with innovative technology solutions.



## 1941

Richmond powers the World War II effort and expands its 100-octane gas production to meet a need for efficient aviation fuel. New compounds enable U.S. Navy submarines to triple their cruising range.



## 2007

Two Chevron employees, including one from RTC, are part of the Intergovernmental Panel on Climate Change (IPCC) team that shares the Nobel Peace Prize for work related to combating climate change.



## 1917

Standard Oil, Chevron's predecessor, develops Red Crown aviation gasoline, the first gasoline in the U.S. specifically designed for aviation use. Red Crown powers the aircraft that Charles Lindbergh flies across the Atlantic.



## 1995

Scientists at RTC develop ISOCRACKING technology, a process that uses chemical catalysts to rearrange the crude oil molecules and convert them into high-value products such as gasoline and jet fuel.

## 2021

Chevron scientists continue developing products to maximize fuel efficiency and help develop alternative energies to power the earth such as alternative and renewable fuels, including biofuels and solar, wind and geothermal power.

## learn more

If you are interested in learning more or continuing the conversation, we welcome you to engage with us on social media or to sign up for our newsletter.



### email us

[RichmondRefineryInfo@chevron.com](mailto:RichmondRefineryInfo@chevron.com)



### newsletter

Stay connected – sign up for our email newsletter.



### general call line

For general inquiries and information,  
call (510) 242-2000.



### noise & odor hotline

Report unusual noises or odors that may be  
coming from the refinery, call (510) 242-2127.