



richmond refinery newsletter november 2019

richmond today

human energy®

opening our doors

By Alan Davis



Last month we opened the doors of the refinery and welcomed more than 600 people for a first-hand look at what we do and how it benefits the community we share.

Community Tour Day is a great opportunity to show our neighbors the refinery and ask us questions. This year's guests were treated to a bus tour of our plants where they learned about the refining process.

Chevron employees and contractors hosted booths featuring our comprehensive safety systems and air monitoring programs. Scientists from our research labs shared details about our fuel additives such as Techron, which was invented in Richmond, that make vehicle engines cleaner and more efficient.

There was also some fun for the whole family courtesy of the Mobile Fab Lab, a science fair on wheels featuring cool maker tools like 3D printers, which had STEM-related activities for kids.

The work we do is important. We get moms and dads to work, grandparents on planes to see their families, kids to soccer games and so much more. We're proud of what we do, and we take pride in inviting out neighbors to spend a day with us to see how we do it.

Alan Davis is the General Manager of the Richmond Refinery.

abrimos nuestras puertas

Por Alan Davis

El mes pasado abrimos las puertas de la refinería y dimos la bienvenida a más de 600 personas para que vieran personalmente lo que hacemos y cómo beneficiamos a la comunidad que compartimos.

El día del recorrido de la comunidad es una magnífica oportunidad para mostrar a nuestros vecinos la refinería y responder sus preguntas. Los invitados de este año disfrutaron de un recorrido en autobús por nuestras plantas, donde aprendieron acerca del proceso de refinado.

Empleados y contratistas de Chevron estuvieron a cargo de puestos presentando nuestros sistemas integrales de seguridad y programas de vigilancia del aire. Científicos de nuestros laboratorios de investigación compartieron detalles sobre nuestros aditivos como Techron, que se inventó en Richmond, que hacen que los motores de los vehículos sean más limpios y más eficientes.

También hubo diversión para toda la familia, por cortesía de Mobile Fab Lab, una feria de ciencias sobre ruedas con equipos modernos como impresoras tridimensionales, que ofreció actividades infantiles relacionadas con STEM.

Lo que hacemos es importante. Ayudamos a que mamás y papás se trasladen al trabajo, que los abuelos viajen en avión para visitar a sus familias, que los niños asistan a los juegos de fútbol y mucho más. Estamos orgullosos de lo que hacemos y con mucho gusto invitamos a nuestros vecinos a que pasen un día con nosotros para ver cómo lo hacemos.

Alan Davis es el gerente general de la Refinería de Richmond.



welcome to the richmond refinery from science to community benefits

Founded in 1902 and operating on 2,900 acres, the Richmond Refinery processes about 250,000 barrels of oil each day into energy products that not only help keep California, the country, and the world on the move, but propel social and economic progress in the community we share.



one if by sea

100% of our crude oil arrives at our Long Wharf by ship. We're not equipped to unload crude oil from trains.

safety first, last and always

- 50% of employee and contractor workforce dedicated to implementing comprehensive safety systems.
- 40 full-time independent safety inspectors.
- Advanced technology, including ultra-sound systems, is used to monitor pipes, tanks and equipment.
- Every employee and contractor authorized and required to “stop work” whenever they notice any safety issue.



\$200 million
spent annually on maintenance and plant safety programs



3

community stations



3

fenceline systems



24

total compounds monitored*

*In some cases, the community stations and fenceline systems monitor for the same compound.



monitor



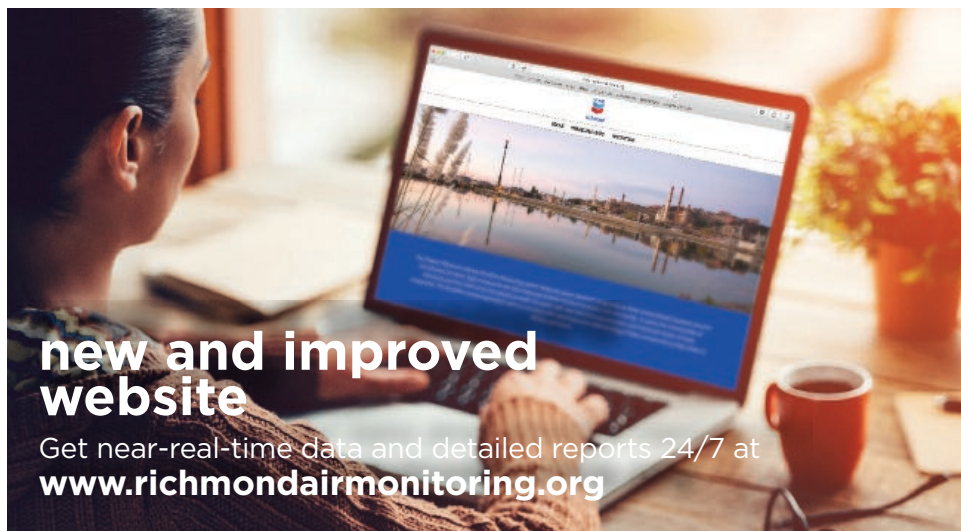
track



inform

tracking air quality

Chevron funds the Richmond Community Air Monitoring Program to help increase public awareness and understanding of neighborhood air emissions as they related to refinery operations. The program provides near-real-time data and historical trends of key compounds from systems along the refinery's fenceline and stations in the nearby community.



new and improved website

Get near-real-time data and detailed reports 24/7 at www.richmondairmonitoring.org

the science behind our energy products



separation: Crude oil is separated into different parts based on the size of the hydrocarbon molecules.



treatment: Using hydrogen and catalyst, natural impurities are removed from crude oil to meet California emission standards, the toughest in the nation.



cracking: Large molecules of crude oil are broken into the small constituent elements that make up different transportation fuels.

cleaner fuels



The Richmond Refinery produces a special, cleaner blend of gasoline only available in California. This helps reduce pollution and protect the environment.

something else to know: Using technology created in our Richmond laboratories, we produce some of the world's cleanest fuels and high-performance base oils. They're not only better for the environment because they produce fewer emissions and contain fewer impurities, they also improve the performance of your car or truck.

giving back to the community in 2018



\$3,574,417

contributed to nonprofits to support opportunities for youth, education and economic development



\$35 million for college scholarships

Chevron is investing \$35 million in the Richmond Promise, over 10 years, to help make college more affordable and attainable for local students. The Richmond Promise provides up to \$6,000 in college scholarships for local high school graduates. For more details visit www.richmondpromise.org.



7,400

hours volunteered by Chevron Richmond employees at Richmond and West County nonprofit programs



60%

Airplanes at Bay Area airports propelled by our fuel



20%

Cars on Northern California roads that run on our gasoline



100%

Lubricating base oils produced on the West Coast made in our plant

economic development

\$1.3 billion

Spent locally since 2012 training workers, creating jobs, helping local businesses and nonprofits, and paying taxes.

3,800

Staff and contractors working in Chevron Richmond's operations and offices help make us Richmond's largest employer.



a newer, safer, cleaner refinery

The Refinery Modernization Project replaces some of the oldest processing equipment with more modern technology that is inherently safer and meets the nation's toughest air quality standards.

Q & A

a conversation with



Hakim Johnson, Senior Public Affairs Representative

Q Tell us about your role at Chevron Richmond Refinery.
As Senior Public Affairs Representative I am responsible for engaging community members and local government members and staff and with business groups and associations in the City of Richmond. I am responsible for understanding what's going on in the community and how that has an effect on Chevron and local businesses.

Q Why are events like the Refinery's Community Tour Day important?
Events like tour day provide an opportunity for the Refinery to engage with community members. It's a chance to open our doors and listen to the community. It's also an opportunity for the community to meet and hear from refinery team members. The tours help to demystify what they may have heard about us. It's a great way to ask questions and learn as much as possible about what we do.

Q What has it been like getting to know Richmond?
It's been an amazing journey. Richmond feels like home to me. I was born and raised in Elizabeth, New Jersey, so there are a lot of similarities-- the people, having a refinery, airport and port in your backyard. And what I've found is people want to be heard and respected. Having relationships with community members and understanding what's on their minds allows me to share that with our team and find a way to work together as it relates to the refinery.

Q What are some opportunities that you see for this City and community?
There are a number of opportunities. The first I see is tremendous room for economic growth. Several upcoming projects are bringing new housing and new businesses to town. There is also an opportunity for members of the community to be heard and to do their part in order to receive the services that the City is providing, such as the upcoming 2020 Census. A lot of people aren't aware that results from Census reports factor into how much federal funding the City of Richmond receives. If the City population is undercounted, then the City may not receive the resources needed to fully meet the needs of everyone.

Q What activities are you involved in outside of your job?
I am an active Board member on the Richmond Chamber of Commerce and the Council of Industries. Both are organizations that focus on providing opportunities to engage on issues surrounding businesses, large and small. The organizations provide resources to help businesses work positively with the City to identify ways to navigate challenges and opportunities unique to the business community.

Q Where are your favorite places to eat/visit/spend time in Richmond?
There is so much that I still want to explore. Whenever I get a chance to meet community members, I ask for their suggestions. In Point Richmond, I like Brezo and Maya Taqueria. And Phila Burger is one my go-to spots. And Roux is another great find in the Food Hall (located in the downtown business hub with CoBiz a new co-working space/business incubator that we fund). I've had the chance to visit Miller-Knox Regional Park, an amazing space with great views of the Bay.

Q Anything else you'd like to add?
I am constantly impressed with the 37 Richmond Neighborhood Councils and the role they play in the planning and political process. I believe they provide residents a positive way to make their voices heard. Businesses, new and old, should appreciate and understand this fact. I know the City Council values the work they do.



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favor llame al número 510-242-2127.

helping families in need

The annual Richmond Fire and Police Holiday Program helps collect and distribute toys and food to 1,500 economically disadvantaged children and families in West Contra Costa County. In 1989 Richmond Fire Fighter Rod Woods (now retired) wanted to organize a toy drive for kids in need during the holidays. At the same time, Richmond Police Officers saw a need to provide food for a special meal and beyond. The two programs were eventually merged with the Chevron Fire Department joining the effort. Chevron continues to provide financial support. And Chevron employees also volunteer to help package and distribute toys and food. For the past several years, Richmond Rotary has held the “build a kid a bike” campaign to donate bikes for the Program. Local residents who want to help, can consider making a tax-deductible contribution by visiting www.richmondfireandpolicetoyprogram.com. Donations of unwrapped toys can be dropped off at any Richmond Fire Station. This program is a great way to help bring joy to those in need during the holiday season.



ayudar a las familias necesitadas

El Programa anual de policías y bomberos de Richmond de la temporada de fiestas ayuda a recolectar y distribuir juguetes y alimentos a 1,500 niños y familias con desventajas económicas en el Condado de West Contra Costa. En 1989, Rod Woods, bombero de Richmond (ahora jubilado) quería organizar un reparto de juguetes para niños necesitados durante la temporada de fiestas. Al mismo tiempo, los policías de Richmond vieron una necesidad de proveer alimentos para una comida especial y mucho más. Eventualmente los dos programas se unieron y el Departamento de Bomberos de Chevron también se sumó al esfuerzo. Chevron sigue proporcionando apoyo económico. Y los empleados de Chevron también ofrecen sus servicios como voluntarios para ayudar a distribuir juguetes y alimentos. Los residentes locales que deseen colaborar pueden hacer una contribución deducible de impuestos visitando www.richmondfireandpolicetoyprogram.com. Los donativos de juguetes sin envolver se pueden entregar en cualquier estación de bomberos de Richmond. Este programa es una forma genial de ayudar llevando alegría a las personas necesitadas durante la temporada de fiestas.