



richmond refinery newsletter may 2019

# richmond today

human energy®

## our climate strategy



By Shawn Lee

Chevron shares the concerns of governments and the public about climate change and believes that encouraging practical, cost-effective actions to address climate change risks while promoting economic growth is the right thing to do.

The global demand for energy continues to grow; more affordable and reliable energy is needed; current energy forms are becoming cleaner; and new energy solutions are emerging.

We will continue to lead by developing more energy with less environmental impact, including lower greenhouse gas emissions. We will develop and deploy the best talent to solve the most complex problems, leveraging our global expertise, strategic partnerships and leading technologies – all aimed at finding affordable, reliable and cleaner solutions that scale.

Throughout our long history, we have shown our resilience through our ability to adapt to changing conditions in the marketplace, and we will continue to adjust our business as needed to effectively and proactively manage climate change risks.

Chevron strives to contribute to the ongoing conversation about climate change. We hope you will find the information contained in this month's newsletter helpful to that dialog.

Shawn Lee is the Health, Environment and Safety Manager at the Richmond Refinery

## nuestra estrategia con respecto al clima

Por Shawn Lee

En Chevron comparte las preocupaciones de los gobiernos y el público acerca del cambio climático y consideramos que fomentar acciones prácticas y rentables para abordar los riesgos del cambio climático y a la vez promover un desarrollo económico, es lo mejor que podemos hacer.

La demanda mundial de energía sigue creciendo; se necesita energía más fiable y asequible; las formas de energía actuales cada vez son más limpias; y nuevas soluciones de energía están surgiendo.

Seguiremos siendo líderes en el futuro al desarrollar más energía con menos efectos negativos en el medio ambiente, o con menos emisiones de gases con efecto invernadero. Desarrollaremos e implementaremos a las personas más expertas para resolver los problemas más complejos, aprovechando nuestra experiencia integral, sociedades estratégicas y tecnologías líderes: todo esto enfocado en encontrar soluciones asequibles, fiables y más limpias que escalan.

A lo largo de nuestra historia, hemos demostrado nuestra resiliencia a través de la capacidad para adaptarnos a condiciones cambiantes en el mercado y seguiremos ajustando nuestro negocio, según sea necesario, para controlar los riesgos del cambio climático de manera eficiente y proactiva.

Chevron contribuye con la conversación continua del cambio climático. Esperamos que la información del boletín de este mes le sea útil con respecto a ese tema.

Shawn Lee es el Gerente de Salud, Medio Ambiente Y Seguridad en la Refinería Chevron de Richmond.



## we don't debate the science ...

Climate change is real and human activity contributes to it. We accept the findings of the Intergovernmental Panel on Climate Change. We see the Paris Agreement as a step forward to meeting the global challenge.

## ... and we are part of the energy future

Demand for oil and gas will require continued investment even under aggressive low-carbon scenarios.

# what we do is good

**Our products enable human progress and help solve global challenges.**

Overcoming poverty, protecting the planet and promoting prosperity are all dependent on affordable and ever-cleaner energy. We're proud to contribute to the U.N.'s Sustainable Development Goals (SDGs).

**SDG #1:  
No Poverty**

# 3B

Nearly 3 billion people still use biomass or animal dung for indoor cooking and heating. Roughly 1 billion people have no electricity. Our products can provide a cleaner solution.

**SDG #2:  
Zero Hunger**

# 45%

of the world's population would lack adequate food supplies without the use of nitrogen fertilizers, which are largely derived from natural gas.

**SDG #6:  
Clean Water and Sanitation**

# 4.5B

lack safely managed sanitation. Reliable energy is needed to meet this challenge.

**SDG #8:  
Decent Work and Economic Growth**

# \$167B

spent by Chevron on goods and services globally in the past five years.

# what we do is essential

From the ordinary to the extraordinary, our products help improve the quality of life.



## air travel

**80 percent of the world's population has never taken a plane trip. 100 million will take their first flight each year for the next 20 years. Liquid fuels enable mobility.**



## emergencies

**The first hour after a medical trauma—the “golden hour”—requires oil and gas to transport and support medical personnel to save lives.**



## commerce

**Moving goods around the world to consumers relies on oil and gas.**



## refined products

**Refined products like gasoline and diesel are used every day by families and businesses around the world.**



## electricity

**Since 2005, the amount of natural gas used to generate power in the U.S. has increased at a rate 2.8 times that of coal—a primary reason why U.S. energy-related CO<sub>2</sub> emissions are approximately 14 percent below 2005 levels.**



## technology

**Computers, cell phones, and other devices that have touchscreens use petrochemicals derived from oil and gas.**

### A constructive path forward is built on four principles:

1. Reducing greenhouse gas emissions is a global issue that requires global engagement and action.
2. Policies should be balanced and measured to ensure that long-term economic, environmental and energy security needs are all met.
3. Continued research, innovation and application of technology are essential.
4. The costs, risks, trade-offs and uncertainties must be transparent and openly communicated to global consumers.

Well-designed market-based mechanisms are the most efficient way to advance lower-carbon outcomes while protecting energy reliability and economic prosperity. Chevron stands ready to work constructively with governments to promote sound energy policies, as we have already demonstrated in many jurisdictions around the world.

### Litigation and vilification are neither honest nor constructive:

1. Politically motivated lawsuits calling oil and gas a “public nuisance” are meritless. Reliable, affordable energy is a public necessity, and we all rely on the benefits of oil and gas.
2. Federal and state governments (including California) have passed numerous laws encouraging the development of oil and gas for decades, and states and cities depend on oil and gas to run each day.
3. Claims that the energy industry misinformed the public or suppressed information have been debunked, most recently in the California Federal District Court “Tutorial.”
4. Courts have repeatedly rejected these types of climate change claims against energy users and producers.

Climate change is a global issue requiring governmental policy decisions that cannot be made by local courts.

# how we do it matters

How does Chevron lead in this energy transition?  
By achieving results the right way, which is fundamental to sustaining long-term value.

## 1st

In 1999, Chevron was the first international oil company (IOC) to create a venture targeting new technologies; in 2018, we launched our Future Energy Fund

## 50 yrs

Chevron has produced energy on Barrow Island, and it remains one of Australia's finest Class A Nature Reserves

## >50%

of our operations worldwide are already managed—profitably—under greenhouse gas emissions reduction regimes

## \$8.5B

invested in R&D since 2000, including geothermal, battery technology and alternative fuels

## 1st

Chevron was first to issue a climate report aligned with the four pillars of the Task Force on Climate-Related Financial Disclosures

## founding member

of the U.S. Environmental Partnership and signatory to the Oil and Gas Methane Partnership Guiding Principles

## largest

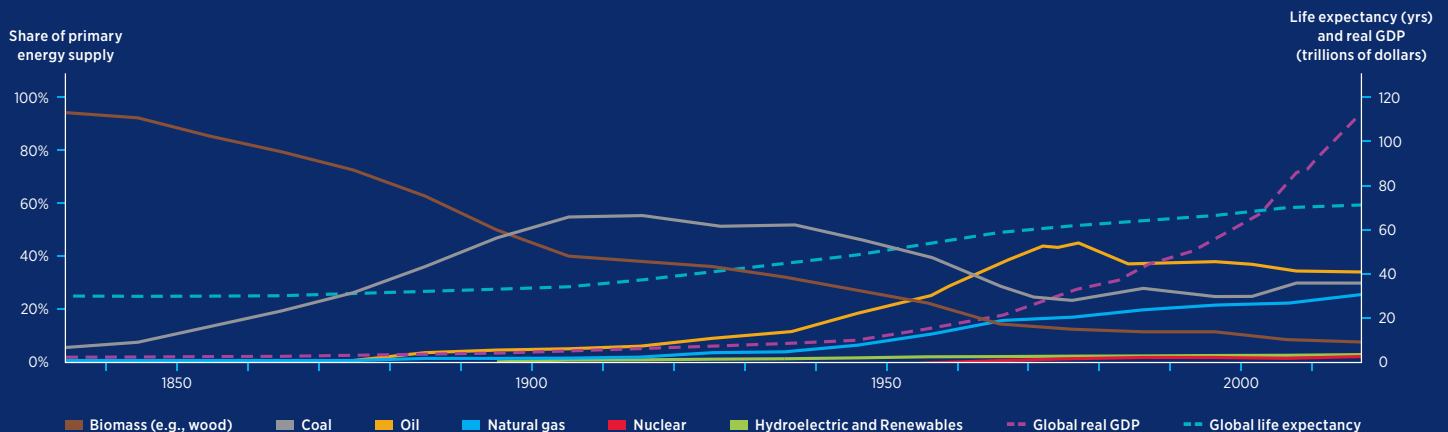
Chevron developed the largest carbon capture and storage project in the world at the Gorgon Project in Australia

## 47%

reduction in methane intensity from our Upstream operations since 2013

## the world has always been in transition

When Chevron was founded in 1879, its primary product was kerosene for lighting, a better alternative to whale oil. Mass production of the automobile was years in the future. In subsequent decades, Chevron products powered the first transatlantic flight in 1927, helped the Allies win WWII and propelled the global economy forward. Today, Chevron's massive new liquefied natural gas projects provide cleaner energy for growing Asian economies. Chevron will continue its energy leadership in the transition to a lower-carbon future.



# Q & A

a conversation with

**Rigo Mendoza**  
**Owner, Rigo's Auto Sales**  
**Vice President,**  
**23rd Street Merchants Association**



**Q How long have you been involved in the Richmond community?**

I've been doing business in Richmond for more than 30 years. I'm one of oldest Hispanic businesses on 23rd Street. Before starting my own business, I worked for the City of Richmond in the Parks and Recreation Department. I love soccer and have been involved over the years in local soccer leagues.

**Q How did the 23rd Street Merchants Association get started?**

About 15 years ago, former City Council Member John Marquez asked for me to help organize the business owners on 23rd Street. He wanted to see if we could do something to reduce crime in the neighborhood, which was a problem at the time. Working together with the community, police officers and the City Council, we have transformed 23rd Street into a thriving business district.

**Q What's the mission of the 23rd Street Merchants Association?**

The main goal is to help all business owners grow. People know our businesses. We tackle problems together and work on changing the reputation in Richmond with events like the Cinco de Mayo Festival. We want to show people both inside and outside of Richmond that this is a great place to visit and do business.

**Q What makes the Cinco de Mayo Festival a special event?**

We wanted to create an event that would encourage people to visit 23rd Street in a fun, family-friendly environment. We had to work really hard to change people's view of the neighborhood. But after a few years, people started coming. This year was our biggest year yet with an estimated 100,000 attendees. There was great music, wrestling, horses, food and arts and crafts for the kids. There was really something for everyone.

**Q Outside of Cinco de Mayo, why should people come to 23rd Street?**

23rd Street really has a lot to offer for the whole family. There are a lot of different businesses on 23rd Street. You can get anything from fresh fruit to delicious Mexican, Salvadoran and Spanish food and even buy a car or get new tires. I encourage everyone to come and spend some time here. Make sure to try a bionico (a popular dish served with fresh fruit, yogurt and granola from Mexico).

**Q Why are neighborhoods like 23rd Street important?**

Small business districts, like 23rd Street, are an important part of the local economy. We help support local jobs and locally-owned businesses. A lot of business owners have been on 23rd Street for many years. They hire people from Richmond to work in the stores. So it's really good for the Richmond economy.

**Q What are the 23rd Street Merchants Association plans for the future?**

We want to continue working on making 23rd Street an attractive place to visit and do business. Our priorities for the next year include street-level beautification (tree planting and other natural elements), hiring additional street sweepers to enhance cleanliness and advocating for building a police substation at Veteran's Hall (968 23rd Street).



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**para más información**

Email a [richmondrefineryinfo@chevron.com](mailto:richmondrefineryinfo@chevron.com) o llamando al número 510-242-2000. Para quejas relacionadas con ruidos y olores, por favor llame al número 510-242-2127.

community corner

**celebrating juneteenth in richmond**

By Jerrold Hatchett

The Neighborhood Block Association is proud to join Chevron and the City of Richmond to present the 16th Annual Juneteenth Parade and Festival on Saturday, June 15. Juneteenth commemorates June 19, 1865, which is the day that Union soldiers landed in Galveston, Texas with news that the war had ended, marking the end of slavery in the United States. Today, Juneteenth is a celebration of Richmond’s African-American community and heritage. But it’s also about bring people of different backgrounds and faiths together to appreciate what we have in common. The day starts with a parade from Booker T. Anderson Community Center. The festival at Nicholl Park includes food, music and family-friendly activities. And it’s free to attend. It will be a fun day for the whole family.

Jerrold Hatchett is the President of the Neighborhood Block Association.

**celebración de Juneteenth en Richmond**

Por Jerrold Hatchett

La Asociación de Cuadras del Barrio (Neighborhood Block Association) se enorgullece en unirse a Chevron y a la Ciudad de Richmond para presentar el 16o Desfile y Festival Anual Juneteenth el sábado 15 de junio. Juneteenth conmemora el 19 de junio de 1865, el día en que los soldados estadounidenses llegaron a Galveston, Texas, con noticias de que la guerra había terminado, marcando el final de la esclavitud en los Estados Unidos. Actualmente, Juneteenth es una celebración de la comunidad y la herencia afroamericana de Richmond. Pero también es un medio para unir a la gente con diferentes antecedentes y religiones para apreciar lo que tenemos en común. El día empieza con un desfile del Centro Comunitario Booker T Anderson. El festival en el Parque Nicholl Park incluye comida, música y actividades para toda la familia. Y la entrada es gratis. Será un día divertido para toda la familia.

Jerrold Hatchett es el presidente de la Asociación de Cuadras del Barrio.



**2019 Juneteenth Parade and Festival**

Saturday, June 15, 10 am to 6 pm  
Free Admission

10 – 11 am: Parade from Booker T. Anderson Community Center to Nicholl Park

11 am – 6 pm: Festival at Nicholl Park featuring music, vendors, food, kids’ activities and more.

**Desfile y Festival Juneteenth 2019**

Sábado 15 de junio de 10 a.m. a 6 p.m.  
Admisión gratuita

110 a 11 a.m.: Desfile del Centro Comunitario Booker T Anderson al Parque Nicholl

11 a.m. a 6 p.m.: Festival en el Parque Nicholl con música, vendedores, comida, actividades infantiles y más.