



CAMBIO CLIMÁTICO CLIMATE CHANGE

Planes de Sostenibilidad 2020
2020 Sustainability Plans

Contenidos / Contents

1	Nuestra visión de la sostenibilidad <i>Our vision of sustainability</i>	3
2	Cambio Climático <i>Climate Change</i>	4
3	Balance <i>Balance</i>	5
4	Listado de acciones <i>List of actions</i>	7
5	Anexos <i>Annexes</i>	11
	Países / Countries _____	12
	Complejos Industriales / Industrial Complexes _____	39
6	Más Información <i>More Information</i>	49

Aviso Legal / Legal Advice

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1 Nuestra visión de la sostenibilidad

Our vision of sustainability

En Repsol contribuimos al desarrollo sostenible

tratando de satisfacer la demanda creciente de energía imprescindible para la realización de los derechos fundamentales de las personas, y creando valor en el corto y largo plazo

Maximizamos los impactos positivos y minimizamos los negativos en la sociedad y el medio ambiente, a lo largo de nuestra cadena de valor, mediante un comportamiento ético y transparente. Buscamos para ello no sólo cumplir con la normativa vigente, sino también con los principales estándares internacionales.

Con estas premisas, nuestro modelo de sostenibilidad incorpora consideraciones éticas, medioambientales y sociales en nuestra toma de decisiones, partiendo del diálogo con los grupos de interés. Un ejercicio que repetimos cada año generando iniciativas que dan respuesta a las preocupaciones de estos grupos de interés a nivel global y local. Así nacen los **Planes de Sostenibilidad**, planes de acción públicos y anuales. El **Plan Global de Sostenibilidad** es la hoja de ruta a partir de la cual se despliegan los **Planes Locales**. Estos últimos incorporan además compromisos relacionados con el contexto local.

At Repsol, we contribute to sustainable development by seeking to satisfy the growing demand for energy, which is essential for the fulfillment of people's fundamental rights, and by creating value in both the short and long term.

We maximize our positive impact and minimize our negative impact on society and the environment throughout our value chain by acting ethically and transparently. In doing so, we seek to comply not only with the regulations in force but also with the main international standards.

Under these premises, our sustainability model incorporates ethical, environmental, and social considerations into our decision-making process, based on dialogue with stakeholders. We do this every year, creating initiatives that address the concerns of these stakeholders. This is how the **Sustainability Plans — action plans** that are available to the public and created on an annual basis — are born. The **Global Sustainability Plan** is the roadmap forming the basis for deployment of Local Sustainability Plans. These plans also include commitments related with local context.

LOS PLANES DE SOSTENIBILIDAD SE ARTICULAN EN TORNO A LOS SEIS EJES DEL MODELO DE SOSTENIBILIDAD DE REPSOL.

THE SUSTAINABILITY PLANS ARE PUT TOGETHER ON THE BASIS OF THE SIX AXES OF REPSOL'S SUSTAINABILITY MODEL



Cambio climático
Climate change

Consumimos los recursos indispensables para generar la energía más eficiente y con el menor impacto posible

We consume the indispensable resources to generate the most efficient energy and with the least possible impact



Ética y transparencia
Ethics & transparency



Operación segura
Safe operation



Innovación y tecnología
Innovation & technology



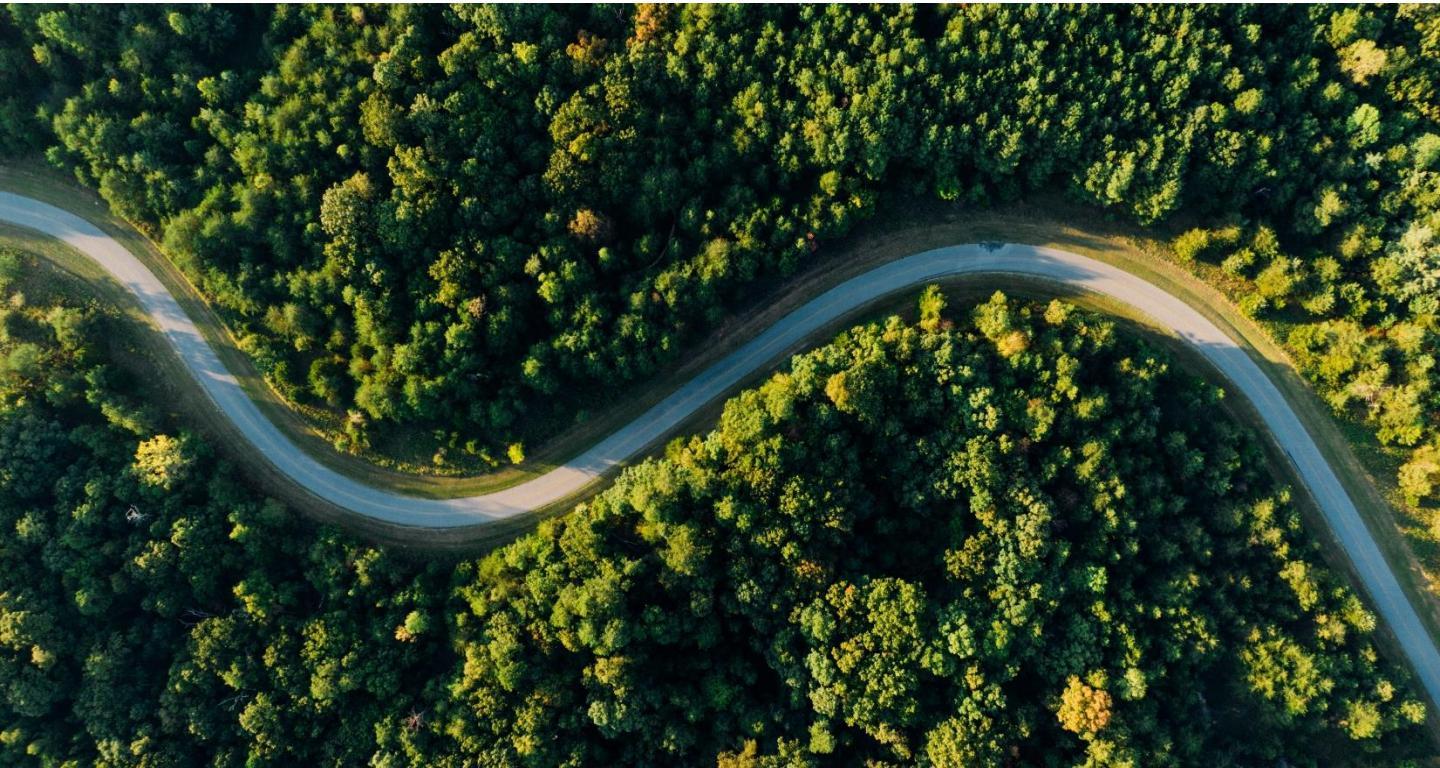
Personas
People



Medioambiente
Environment

2 Cambio Climático

Climate Change



EN REPSOL CONTRIBUIMOS AL DESARROLLO SOSTENIBLE

Compartimos la preocupación de la sociedad con respecto al efecto que la actividad humana está teniendo sobre el clima. Nuestro desafío es suministrar energía de forma segura, eficiente, accesible y sostenible, reduciendo las emisiones de Gases de Efecto Invernadero (GEI).

En diciembre de 2019 Repsol expresó públicamente que orientaría su estrategia para ser una compañía con cero emisiones netas en el año 2050, lo que la convierte en la primera de su sector en fijar esta ambiciosa meta. Con los avances tecnológicos disponibles, anticipamos alcanzar entre un 80% y un 90% de reducción de emisiones netas para ese año y nos comprometemos a aplicar las mejores tecnologías para elevar esta cifra, incluyendo la captura, uso y almacenamiento de CO₂.

AT REPSOL, WE CONTRIBUTE TO SUSTAINABLE DEVELOPMENT

Repsol actively shares society's concern for the effect that human activity is having on the climate. Our challenge is to supply energy in a safe, efficient, and accessible manner, reducing greenhouse gas (GHG) emissions.

In December 2019 Repsol publicly expressed that it would align its strategy to be a net-zero emissions company by 2050, making it the first in its sector to set this ambitious goal. With the technological advances available, we anticipate achieving between 80% and 90% net emissions reductions by that year, and we are committed to applying the best technologies to raise this figure, including CO₂ capture, use and storage.

2 Cambio Climático

Climate Change

Sin mayores disrupciones tecnológicas, Repsol recurriría a los sumideros naturales de carbono para alcanzar su meta de cero emisiones en 2050.

A continuación mostramos acciones con las que ponemos de manifiesto nuestro compromiso con el Cambio Climático.

Without major technological disruptions, Repsol would rely on natural carbon sinks to reach its goal of zero emissions by 2050.

Below, we list the actions that show our commitment to the Climate Change.

Las **acciones** que se comprometen en **materia de Cambio climático en los Planes de Sostenibilidad contribuyen a apoyar la Agenda 2030 para el Desarrollo Sostenible de las Naciones Unidas** al abordar los siguientes objetivos:

**OBJETIVOS
DE DESARROLLO
SOSTENIBLE**



*The **actions** that make up in **Climate change** issues in the **Sustainability Plans** help support the United Nations' **2030 Agenda** by addressing the following Sustainable Development Goals (SDG):*

**SUSTAINABLE
DEVELOPMENT
GOALS**



Gestión eficiente de la energía
Impulso a la reducción de emisiones de GEI
Fomento del uso del gas natural en la generación eléctrica
Movilidad sostenible
Modelo economía baja en emisiones



*Efficient energy management
Drive the reduction of GHG emissions
Encourage the use of natural gas in electricity generation
Sustainable mobility
Low-emissions economy model*

3 Balance

Balance

Una vez finalizado el año, es el momento de la rendición de cuentas respecto a cada una de las iniciativas que forman **parte de los compromisos en Cambio climático de los Planes de Sostenibilidad**. El balance del grado de consecución ha sido el siguiente.

*At the end of the year, it is time to review each of the **Climate change initiatives of the Sustainability Plans**. The degree to which the objectives have been fulfilled is as follows:*



A continuación, enumeramos las acciones incluidas en el eje de **Cambio climático**.
Further down, we provide the actions from the **Climate change axis**.

Número de Acciones en Cambio climático Number of actions in Climate change



4 Listado de acciones

List of actions

PAÍS COUNTRY	ACCIÓN ACTION
Argelia Algeria	<ul style="list-style-type: none">Concienciar sobre las emisiones de GEI de la empresa.Contribuir a minimizar las emisiones de GEI de la empresa.
Bolivia Bolivia	<ul style="list-style-type: none">Reducir 5 ktCO₂ en nuestras actividades de producción.
Brasil Brazil	<ul style="list-style-type: none">Elaborar el mapa de emisiones de las actividades en Brasil.Elaborar una nueva línea de investigación para la gestión del CO₂.Ser una empresa clave en la transición energética con desarrollo de nuevos negocios en gas natural.
Canadá Canada	<ul style="list-style-type: none">Contribuir a la promesa de la empresa de lograr cero emisiones netas para 2050.Desarrollar un programa de electrificación de pozos en Duvernay Sur para eliminar las emisiones de gas combustible en los equipos de nuestras instalaciones de pozos.



4 Listado de acciones

List of actions

PAÍS COUNTRY	ACCIÓN ACTION
Colombia <i>Colombia</i>	<ul style="list-style-type: none">Identificar la contribución de Repsol Colombia al objetivo de Repsol de Carbono Neutro a 2050.Calcular y compensar la huella de carbono generada en 2019 en Repsol Colombia.Analizar iniciativas que permitan reducir las emisiones de gases efecto invernadero de activos no operados en Repsol Colombia.
Ecuador <i>Ecuador</i>	<ul style="list-style-type: none">Reducir las emisiones de CO₂ a través de la disminución del consumo energético en los sistemas de bombeo electro-sumergible mediante la continua optimización.Conectar la planta ubicada en la ciudad de Shushufindi al sistema nacional eléctrico por medio de la Corporación Nacional de Electricidad de Ecuador.
Estados Unidos <i>United States</i>	<ul style="list-style-type: none">Promover la transparencia y la colaboración para limitar el calentamiento global.
Indonesia <i>Indonesia</i>	<ul style="list-style-type: none">Trabajar en una oficina más sostenible.Realizar un estudio de captura e inyección de O₂ para el bloque Sakakemang.
Malasia <i>Malaysia</i>	<ul style="list-style-type: none">Impulsar iniciativas de reducción de gases de efecto invernadero.

4 Listado de acciones

List of actions

PAÍS COUNTRY	ACCIÓN ACTION
Noruega Norway	<ul style="list-style-type: none">Aumentar nuestra atención sobre el uso eficiente de la energía y cómo reducir nuestro consumo energético.Preparar a Yme para un futuro de bajas emisiones.Comunicar la hoja de ruta climática de Repsol "Hacia un futuro de bajas emisiones" a todos los departamentos de Repsol Norge.
Perú Peru	<ul style="list-style-type: none">Incrementar el número de estaciones de servicio que cuenta con autogeneración de energía a través de paneles solares.Lograr la reducción de emisiones de CO₂ prevista en el Plan de Reducción de Emisiones mediante la implementación de acciones operativas.
Reino Unido United Kingdom	<ul style="list-style-type: none">Reducir las emisiones de CO₂.
Venezuela Venezuela	<ul style="list-style-type: none">Apoyar a los activos en la identificación de iniciativas de reducción de emisiones de CO₂.Reducir las emisiones de CO₂ por optimización de gas venteado y/o quemado en Planta QE-2.Reducir emisiones por optimización de gas venteado en Planta Tiguadare.

4 Listado de acciones

List of actions

COMPLEJOS INDUSTRIALES INDUSTRIAL COMPLEXES	ACCIÓN ACTION
A Coruña	<ul style="list-style-type: none">• Conseguir la reducción de las toneladas de GEIs previstas en nuestro Plan de Reducción de Emisiones 2014-2020.• Gestionar el sistema de eficiencia energética según norma ISO50001.• Llevar a cabo actuaciones en los procesos de la Refinería para la mejora del cambio climático.
Cartagena	<ul style="list-style-type: none">• Contribuir al objetivo de Repsol de ser compañía cero emisiones netas en 2050.
Petronor	<ul style="list-style-type: none">• Optimizar el proceso de obtención de hidrógeno
Puertollano	<ul style="list-style-type: none">• Reducir las emisiones de CO₂ a través de la eficiencia energética.
Sines	<ul style="list-style-type: none">• Implementar plan de estudio y evaluación para instalar paneles fotovoltaicos en el Complejo Industrial de Sines en régimen de autoconsumo.
Tarragona	<ul style="list-style-type: none">• Gestionar el sistema de eficiencia energética según la norma ISO 50.001.• Conseguir la reducción de las toneladas de gases de efecto invernadero previstas en el programa de reducción de emisiones (2014-2020).

5 Anexos

Annexes



A continuación detallamos las acciones llevadas a cabo en el eje de Cambio Climático en todos los Planes Locales de Sostenibilidad.

La información referente a países se publica en inglés y la referente a los complejos industriales en español.

Below, we detail the actions carried out in the axis of Climate Change in all Local Sustainability Plans. The information referring to the countries is published in English and the reference to the industrial complexes in Spanish.

Países Countries



2020 Sustainability Plan



Algeria

Action

Raise awareness of company GHG emissions.

Description

We will support GRN (Groupement Reggane Nord) to monitor and manage their GHG emissions, both CO₂ and CH4.

We will inventory the GHG emissions of all participated assets in the Algeria Business Unit.

Indicator

Report CO₂-equivalent emissions and use the emission intensity KPI (tons of CO₂/kboe produced) in all assets by the end of year 2020.

What we've achieved



We have estimated CO₂ equivalent emissions for all assets in Algeria, and reported quarterly. The carbon intensity KPI has been included in the quarterly reports.

Contribution to the SDGs:



2020 Sustainability Plan



Algeria

Action

Contribute to minimising company GHG emissions.

Description

We will prepare GRN (Groupement Reggane Nord) for the Energy Efficiency Audit, by visiting the asset with the required expertise and issuing a specific Action Plan.

Indicator

Perform preparatory visit and issue Action Plan before end of year.

What we've achieved



The COVID-19 pandemic has made very difficult to develop this initiative since it requires the mobilization of resources and people, that has been not possible due to COVID-19. We intend to develop the initiative in 2021-2022 depending on the above mentioned restrictions.

Contribution to the SDGs:



2020 Sustainability Plan



Bolivia

Action

Reduce 5 kt of CO₂ in our production activities.

Description

We will identify and implement initiatives to reduce greenhouse gas emissions that contribute 5 Kt CO₂eq and that will be consolidated in the achievement of the CO₂ reduction objective that Repsol's Exploration and Production business has.

Indicator

Implement two greenhouse gas emission reduction initiatives that contribute 5 Kt CO₂eq to the E&P reduction target.

What we've achieved



Initiatives have been carried out to reduce CO₂ emissions at the Caipipendi asset; reduction of stabilisation pressure at the plant, reduction of emissions from HCY2st and MGR7st interventions.

Contribution to the SDGs:



2020 Sustainability Plan



Brazil

Action

Elaborate the CO₂ emission map of the activities in Brazil.

Description

We will give continuity to the CO₂ emissions inventory at the operational and corporate level for the elaboration of the emissions map of the activities in Brazil.

Indicator

Inventory of emissions from office activities and employees in work activities.

Map of issues with data at the operational level including non-operational and corporate assets.

What we've achieved



We have performed the CO₂ inventory of office and employee activities taking into account the constraints imposed by the pandemic. We have prepared the CO₂ emissions map considering the data of non-operated assets.

Contribution to the SDGs:



2020 Sustainability Plan



Brazil

Action

Elaborate a new line of research for CO₂ management.

Description

We will map ideas and research projects with a focus on CO₂ capture, storage and monetization that can be integrated into our portfolio of Research, Development and Innovation projects.

Indicator

Conducting at least one workshop with a reference institution.

What we've achieved



We have carried out, together with the Research Center for Gas Innovation of the University of São Paulo (USP), a CO₂ workshop with the participation of reference institutions. Based on this exercise, we have prepared our first applied technology development plan, aimed at promoting the capture and utilization of CO₂ sources from our E&P assets, incorporating a first visualization of possible business development plans, with application to the integrated O&G chain.

Contribution to the SDGs:



2020 Sustainability Plan



Brazil

Action

Be a key company in the energy transition with new business development in natural gas.

Description

We will be leaders in the process of opening the gas market by actively participating in all stages and discussions involving this opening. We will work together with partners in the search for solutions to monetize pre-salt gas. Through these activities, we will seek to provide society with a reliable, low-emission energy source.

Indicator

Evidencing, through contracts with third parties, the participation of RSB (Repsol Sinopec Brazil) in the Natural Gas value chain.

Developing monetization options for the gas of the WB-C-33 to enable its development.

Active participation in the Gas Executive Committee in IBP. Commitment to regulatory bodies.

Involvement with regulatory agencies.

What we've achieved



We have signed the contract for the sale of gas from the Sapinhoá asset and the MOU (Memorandum of Understanding) with the partner Equinor, allowing an important step forward in the development for the monetization of the future gas produced in the BM-C-33 block.

We have identified the main commercial guidelines and defined the milestones.

We have actively acted in the Gas Executive Committee of the Brazilian Institute of Oil and Gas (IBP) participating in the action plan and strategic guidelines for the gas market.

Contribution to the SDGs:



2020 Sustainability Plan



Canada

Action

Contribute to the Company's pledge to achieve net zero emissions by 2050.

Description

We will continue to contribute to the Company's objective to reduce carbon emissions through various initiatives. We will work to detect and quantify the methane emission sources at our operated assets, with the goal of identifying opportunities for reduction.

Indicator

Reduce 10 kilotonnes of carbon dioxide equivalent (CO₂e) emissions by December 31, 2020.

Expand methane emissions detection and quantification program and update methane emissions inventory by December 31, 2020.

Develop an Energy Management Plan 2021+ by December 31, 2020.

What we've achieved



We made wellsite controller and facility engine modifications throughout our assets resulting in a reduction of 10,019 tonnes of CO₂e. Conducted wellsite and facility site visits to complete surveys and screenings for leak detection and repair which helped to expand our methane emissions detection and quantification program. Developed framework for the Energy Management Plan to meet the goals of operational efficiency, emissions reductions and OPEX reduction, optimize our energy and GHG consumption.

Contribution to the SDGs:



2020 Sustainability Plan



Canada

Action

Develop wellsite electrification program in South Duvernay to eliminate fuel gas emissions on our wellsite facility equipment.

Description

We will work to develop our wellsite electrification program by ensuring wellsites in Ferrier East development are designed under the new program.

Indicator

Design one hundred perfect (100%) of wellsites in Ferrier East development under the wellsite electrification program.

What we've achieved



This action was related to the new well sites that were planned as part of the Ferrier development project that has been put on hold until further notice.

Contribution to the SDGs:



2020 Sustainability Plan



Colombia

Action

Identify Repsol Colombia's contribution to Repsol's Carbon Neutral objective in 2050.

Description

We will examine social investment projects developed by Repsol Colombia in the last five years that contribute to the capture of CO₂.

Indicator

Identify social investment projects that can contribute to the capture of CO₂ by Repsol Colombia.

Calculate the estimated tonnes of CO₂ captured from the identified projects.

What we've achieved



We have identified agroforestry projects developed in the coffee and cocoa chains as an alternative for the capture of GHG (Greenhouse Gases) and we have calculated an estimated 33,000 tons of CO₂ captured with these projects.

Contribution to the SDGs:



2020 Sustainability Plan



Colombia

Action

Calculate and compensate the carbon footprint generated in 2019 in Repsol Colombia.

Description

We will calculate the carbon footprint generated by Repsol Colombia in Bogota during 2019 and then compensate it by issuing carbon credits.

Indicator

Prepare a report with the calculation of Repsol Colombia's carbon footprint in Bogota in 2019.

Purchase the carbon credits required for the calculated carbon footprint compensation.

What we've achieved



We have made the calculation of the carbon footprint of Repsol Colombia 2019, with a result of 115 tons of CO₂.

We have offset these 115 tons of CO₂ through the purchase of carbon credits.

Contribution to the SDGs:



2020 Sustainability Plan



Colombia

Action

Analyse initiatives to reduce greenhouse gas emissions from non-operational assets in Repsol Colombia.

Description

We will identify opportunities to minimize CO₂ emissions through initiatives to reduce them in the non-operational asset CPO-09.

Indicator

Establish, with the information provided by the non-operator, the baseline of CO₂ emissions for the year 2019.

Select an action, for which we will develop a technical and economic feasibility study.

What we've achieved



We have made the 2019 emissions inventory of non-operated assets and carried out the pre-feasibility study for the implementation of a solar concentration plant in Meta, evidencing benefits such as the reduction of 7,477 tons CO₂/year, the reliable supply of energy with a 100% capacity factor, a lower cost per KWe generated than the current one with fuel oil and the capacity to distribute 400 KWe solar concentration plants according to the energy needs.

Contribution to the SDGs:



2020 Sustainability Plan



Ecuador

Action

Reduce CO₂ emissions by reducing energy consumption in electro-submersible pumping systems through continuous optimization.

Description

We will optimize the electro-submersible pumping systems under opportunity, this is when some equipment fails and needs to be replaced. The baseline will be energy consumption as of December 2019 for a quarterly evaluation of the new systems.

Indicator

Decrease the consumption of the electro-submersible park by 750 bbl of diesel for the year 2020 considering the baseline at December 31, 2019.

What we've achieved



We have carried out 13 well interventions, optimizing the design of electrosubmersible pumping. These works have allowed us to obtain the following cumulative result:

- Savings of 3,424 bbls of diesel.
- Reduction of 1,458t CO₂

Contribution to the SDGs:



2020 Sustainability Plan



Ecuador

Action

Connect the plant located in the city of Shushufindi to the national electrical system through the National Corporation of Electricity of Ecuador.

Description

The project, which began in May 2019, consists of connecting to Ecuador's national system, where most of the energy comes from hydraulic power, and thus will significantly reduce the operation of the diesel turbines at the Shushufindi location.

Indicator

Reduce 3000 tons of CO₂ considering as a baseline the year 2019 before the interconnection to the national system.

What we've achieved



We have implemented the initiative of interconnection to the national electricity system, which has meant a reduction in the operation time of the diesel turbines in the city of Shushufindi. As a result, we have obtained a reduction of 4,864t CO₂, exceeding the proposed target of 3,000t CO₂.

Contribution to the SDGs:



2020 Sustainability Plan



Ecuador

Action

Promote transparency and collaboration to limit global warming.

Description

We will engage with associations and trade groups where Repsol is a member to advance the dialogue on climate change in our industry.

Indicator

Survey selected trade organizations in which Repsol is a member to review alignment on climate change.

What we've achieved



We have worked with each of our trade organizations to evaluate their current position regarding climate change. In most cases, we were pleased that a majority of the organizations are advancing climate change dialog and are engaged with external stakeholders. Where we identified organizations that are not fully aligned we continue to work with these organizations to promote and advance this important issue.

Contribution to the SDGs:



2020 Sustainability Plan



Indonesia

Action

Work in a more sustainable office.

Description

We will move to a new office that is more environmentally friendly, as well as safe and secure. We will reduce energy consumption thanks to LED lamps, a dimming system & motion sensor lighting, a wash and dry hands system at the sink, and hand wave and motion sensors to open toilet cubicles.

Indicator

Fulfill 100% of requirements as environmentally friendly and safe office of description.

What we've achieved



We have fulfilled 100% of requirements as environmentally friendly and safe office of description.

Jakarta office has moved to the new building with lower energy consumption thanks to LED lamps, a dimming system & motion sensor lighting, a wash and dry hands system at the sink, and hand wave and motion sensors to open toilet cubicles. Our employees will move to the new building when the pandemic allows us to do so safely.

Contribution to the SDGs:



2020 Sustainability Plan



Indonesia

Action

Perform a CO₂ capture and injection study for Sakakemang block.

Description

The Carbon Geological Storage Group will carry out the CO₂ capture and injection study for Sakakemang. It aims at the geological study in the Dayung and Gelam fields within the corridor block, so that in the future development of the entire Sakakemang field, all CO₂ produced, as well as the CO₂ produced by Corridor, can be captured and re-injected with a substantial decrease at country level of CO₂ emissions.

Indicator

Conduct the study of CO₂ capture and injection for Sakakemang Corridor and deliver the report.

What we've achieved



We have performed a study of geomechanics and dynamics model for Gelam and Dayung Area to ensure when we inject the CO₂ in to the formation, it will be safe and we will reach optimum in production.

The studies will continue through next year (2021).

Contribution to the SDGs:



2020 Sustainability Plan



Malaysia

Action

Drive Greenhouse Gas reduction initiatives.

Description

We will implement a series of Greenhouse Gas (GHG) reduction initiatives which will be in line with Repsol commitments moving towards a low-emissions future. The objective is to achieve 54.000 tons of CO₂eq of quantifiable & verifiable GHG reduction in year 2020.

Indicator

Quantify monthly GHG reduction achieved on each initiative.

Verify GHG reduction by external auditor at the end of the year

What we've achieved



A series of GHG reduction initiatives were implemented in year 2020 to achieve the GHG reduction target of 54ktCO₂/annum. This is in line with Repsol commitments in moving towards a low-emissions future and achieve long term E&P reduction roadmap of 750ktCO₂ for year 2018-2025.

GHG reduction achieved for each initiative was quantified monthly and uploaded to the SharePoint. The initiative was successfully verified by external auditor in December 2020.

Contribution to the SDGs:



2020 Sustainability Plan



Norway

Action

Further increase our focus on efficient use of energy and how to reduce our energy consumption.

Description

We will implement and ensure compliance with the new procedure for Energy Management in Repsol Norge. Energy Management seeks to reduce energy consumption in a systematic manner.

Indicator

Prepare a plan for implementation.

Implement procedure in relevant Repsol Norge assets and projects by end of year.

What we've achieved



We have prepared plans for implementation, which have been approved by the relevant assets, and the new procedure for Energy Management is now implemented. For Yme, we have performed energy mapping, established an energy management committee and performed activities corresponding to the ISO 50001 requirements. For our non-operated assets, we have done an energy management mapping which we will use as input for conducting a gap analysis in 2021.

Contribution to the SDGs:



2020 Sustainability Plan



Norway

Action

Prepare Yme for a low emission future.

Description

We will start to identify measures for reducing Yme emissions in accordance with Repsol Norge's 2030 zero emission ambition. We will seek opportunities to reduce the energy consumption, look into alternative energy sources and develop tools which will make it easier to monitor, visualize and understand the energy consumption.

Indicator

Perform a low emission power generation study.

Develop a digital energy and emission dashboard ready for testing by end of year.

What we've achieved



We have performed a study establishing an overview of options reducing emissions in the Yme asset. Due to Yme project delay, the necessary data import from the metering systems are not yet available. However, we have agreed on which type of data to be included in the different dashboard reports.

Contribution to the SDGs:



2020 Sustainability Plan



Norway

Action

Communicate Repsol climate Roadmap "Towards a low-emissions future" to all departments in Repsol Norge.

Description

We will raise the awareness among our employees about what it takes to move into a low-emissions future and how all are expected to contribute to meet our targets. We will also make it easier for our employees to suggest environmental improvements and to understand the effect of implemented measures.

Indicator

Give three presentations during the year.

Develop a process and pilot for registration of ideas for environmental improvements and implemented measures, including environmental and economical effects.

What we've achieved



The Zero Emission Coaches have been visiting all departments to engage and educate our staff to be better prepared for the low emission future. In addition we have arranged a virtual Lunch & Learn session open for all staff. Also, we have established a "Proposal box" for general and environmental improvements and we have defined a process for follow-up of the proposals and the documentation of implemented measures.

Contribution to the SDGs:



2020 Sustainability Plan



Peru

Action

Increase the number of service stations that have self-generated energy through solar panels.

Description

We will implement the system of solar panels at the "Tierra" service station (Ventanilla, Callao) which will reduce the electricity consumption of the public network by 30% and reduce the emission of 11 tCO₂ per year. In this way, we will have two service stations with a self-generation system of energy through photovoltaic panels in our network.

Indicator

Implement the system before the end of the period.

Carry out the evaluation of the energy savings generated.

What we've achieved



On October 25, we put into operation the solar panel system at the Tierra service station. The system has 40 solar panels controlled by 10 micro-inverters that distribute the energy generated for the station's self-consumption. Daily energy generation represents 23% of total daytime consumption (06:00 am to 6:00 pm). Annual generation is estimated at 16,967 KWh, which avoids CO₂ emissions equivalent to 10.4 mt.

Contribution to the SDGs:



2020 Sustainability Plan

Peru



Action

Achieve the reduction of CO₂ emissions foreseen in the Emission Reduction Plan through the implementation of operational actions.

Description

In order to reduce CO₂ emissions from La Pampilla refinery, we will carry out actions such as reducing steam consumption, minimizing steam leaks, automating pumps and replacing steam pumps with electric pumps.

Indicator

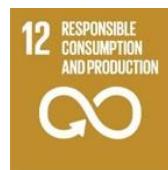
Reduce the emission of 18 KtCO₂.

What we've achieved



We have surpassed the CO₂ emissions reduction goal established in the La Pampilla Refinery Emissions Reduction Plan through the implementation of operational actions in the steam network of various units, the automation of diesel pumps, and the use of electric pumps to replace turbopumps, among other actions. These initiatives have allowed us to achieve a reduction of 26.6 ktCO₂.

Contribution to the SDGs:



2020 Sustainability Plan



United Kingdom

Action

Reduce CO₂ emissions.

Description

We will review in Repsol Sinopec Resources UK the current strategy to optimise energy use and reduce the CO₂ emissions per barrel of oil produced. We will lower our emissions as part of our strategy to combat climate change.

We will focus on developing and sharing best practices supported by our capability to monitor the assets emissions.

Indicator

Monitor the assets emissions in real time, through the Integrated Operated Centers in 2020.

What we've achieved



For the year 2020, we have still recorded, tracked and submitted manually emissions via spreadsheets and sent onshore for collation and verification. The development of a process for monitoring asset CO₂ emissions, real time, in IOCs was impacted by the recent organisational change and implementation of the new Operating Model. Therefore, the automation of data collection and monitoring is still in development and will be completed in 2021.

Contribution to the SDGs:



2020 Sustainability Plan



Venezuela

Action

Support the assets in the identification of initiatives to reduce CO₂ emissions.

Description

Through synergy with non-operational assets (Cardon IV, Ypergas and Quiriquire Gas, Petroquiriquire and Petrocarabobo), we will identify, evaluate and register initiatives to minimize CO₂ emissions, after reviewing current emission sources.

Indicator

Analyze the feasibility of initiatives identified in the five assets.

Record at least three (potential or actual) emission reduction initiatives.

What we've achieved



We have reached 100% of the feasibility analysis of initiatives identified in the Quiriquire Gas, Cardon IV and Ypergas assets. They were prioritized and classified as: completed, in progress and potential. We have suppressed the study of the Petroquiriquire and Petrocarabobo assets due to the complexity of the situation resulting from the pandemic.

We selected to record five emissions reduction initiatives carried out at the Cardon IV asset, out of the total of 44 initiatives evaluated.

Contribution to the SDGs:



2020 Sustainability Plan



Venezuela

Action

Reduce CO₂ emissions by optimizing gas venting and/or flaring in QE-2 plant.

Description

We will execute the identified actions to reduce gas flaring and/or venting at the QE-2 Gas Compression Plant.

Indicator

Implement at least one of the three emission reduction initiatives by 2020.

Achieve a reduction in gas emissions in QE-2 of 0.2 mmscfpd from October 2020.

What we've achieved



We have carried out three emissions reduction initiatives: we have adjusted the suction pressure of the medium-pressure units to 350 psi, we have placed in service the C-2202 motor-compression unit in the gas transfer and we have placed in service the recirculation in the high and medium-pressure compression trains.

Thus, by the end of 2020 we have achieved a reduction in gas emissions by 0.4 mmscfpd.

Contribution to the SDGs:



2020 Sustainability Plan



Venezuela

Action

Reduce emissions by optimizing gas venting at Tiguadare Plant.

Description

We will execute the defined actions in order to undertake modifications to the facilities that will allow the minimization, even more, of the gas torches in the flares of the Tiguadare Processing Plant.

Indicator

Achieve a reduction of 0.4 mmscfpd of flare gas, from November 2020.

Follow up the action plan to implement the changes until September 2020.

What we've achieved



We have implemented operational improvement actions at the plant, achieving an average reduction of 0.41 mmscfpd of gas in the gas flares in the flares of the Tiguadare processing plant in 2020, with respect to 2019. In this way, we contribute to the greenhouse gas (GHG) emissions reduction target.

Contribution to the SDGs:



Complejos Industriales *Industrial Complexes*



Plan de Sostenibilidad 2020



A Coruña

Acción

Conseguir la reducción de las toneladas de GEIs previstas en nuestro Plan de Reducción de Emisiones 2014-2020.

Descripción

El Complejo Industrial de Repsol A Coruña tiene asignadas una serie de acciones dentro del plan de reducción de emisiones de CO₂. Durante 2020, gestionaremos las tareas asignadas para su correcto desarrollo: identificaremos, estudiaremos, ejecutaremos y pondremos en marcha nuevas inversiones relacionadas con la eficiencia y mejoras operativas en las unidades de proceso.

Indicador

Conseguir una reducción de >10.000t emisiones de CO₂ en 2020.

Qué hemos conseguido



En 2020 hemos implementado mejoras operativas y ejecutado diversas inversiones en las unidades con una reducción potencial de más de 11.000t emisiones de CO₂/año. Destacan las mejoras e inversiones realizadas en diferentes unidades del área de Conversión de la refinería como son las de Aminas, Hidrotratamiento o URG3 (Unidad de Recuperación de Gases 3) entre otras.

Contribución a los ODS:



Plan de Sostenibilidad 2020



A Coruña

Acción

Gestionar el sistema de eficiencia energética según norma ISO50001.

Descripción

Proseguiremos con la consolidación y mejora continua del sistema de gestión de la eficiencia energética según la norma ISO 50001:2018 con el objetivo de aumentar la eficiencia en el consumo y utilización de la energía.

Indicador

Superar la auditoría de recertificación de la ISO 50001:2018.

Qué hemos conseguido



Hemos celebrado la auditoría de recertificación en modo telemático la semana del 20 de abril de 2020. Superamos la auditoría sin la detección de no conformidades, renovando nuestra certificación del sistema de gestión energética hasta 2023.

Contribución a los ODS:



Plan de Sostenibilidad 2020



A Coruña

Acción

Llevar a cabo actuaciones en los procesos de la Refinería para la mejora del cambio climático.

Descripción

Incorporaremos componentes bios en la formulación de nuestros combustibles.

Indicador

Incorporar 130.000 toneladas de componentes bios en los carburantes.

Qué hemos conseguido



Hemos superado el objetivo, consiguiendo incorporar 147.500 Tm de componentes bios en el proceso de producción de los carburantes. Hemos incorporado 70.000 Tm de diésel verde (HVO) en el proceso blending a gasóleos, así como 75.000 Tm de Bios (FAME) en blending a gasóleos. Finalmente hemos incluido 2.500 Tm de etanol a la planta de ETBE para blending de gasolinas.

Contribución a los ODS:



Plan de Sostenibilidad 2020



Cartagena

Acción

Contribuir al objetivo de Repsol de ser compañía cero emisiones netas en 2050.

Descripción

Identificaremos acciones que nos permitan reducir nuestras emisiones de CO₂ un 25% en el año 2025 respecto a 2017 conforme a la meta marcada por la compañía.

Indicador

Cumplir el 100% del plan previsto para 2020.

Qué hemos conseguido



Hemos definido el plan necesario para reducir las emisiones un 25% y en 2020 hemos cumplido el avance esperado con acciones como la aprobación para la adquirir nuevos equipos que mejorarán la eficiencia energética.

Contribución a los ODS:



Plan de Sostenibilidad 2020

Petronor



Acción

Optimizar el proceso de obtención de hidrógeno.

Descripción

Mejoraremos la concentración de hidrógeno (H₂), generado en el proceso de Platformado, para obtener una reducción de dióxido de carbono al evitar la producción de esa cantidad de H₂ en las unidades productoras de este gas.

Indicador

Disminuir al menos 29,000 toneladas de dióxido de carbono en 2020.

Invertir un total de 13,3 millones de euros.

Qué hemos conseguido



Hemos realizado la inversión de 13,3 millones de euros, y la puesta en marcha de la instalación alcanzando el objetivo de reducir 29.000 Toneladas de CO₂ en 2020.

Contribución a los ODS:



Plan de Sostenibilidad 2020



Puertollano

Acción

Reducir las emisiones de CO₂ a través de la eficiencia energética.

Descripción

Reduciremos nuestras emisiones de CO₂ aplicando nuestro Sistema de Gestión Energética para conseguir la excelencia operativa y poniendo en marcha diferentes acciones, orientadas a incrementar la eficiencia energética en nuestros procesos. Nuestro objetivo es contribuir a la meta de Repsol de ser una compañía cero emisiones netas en 2050.

Indicador

Reducir en al menos 60.000 toneladas/año las emisiones de CO₂ en los próximos dos años, en línea con el objetivo de tener 0 emisiones netas en 2050.

Dedicar al menos el 15% de la inversión total prevista a mejoras orientadas a la reducción de emisiones de CO₂.

Qué hemos conseguido



En 2020 hemos conseguido reducir más de 22.000 toneladas de CO₂, superando con creces el objetivo fijado para el primer año de cumplimiento del objetivo (15.000 toneladas). En línea con el objetivo de ser una compañía energética cero emisiones netas, hemos iniciado el segundo año de cumplimiento del objetivo con un 37% de cumplimiento. En cuanto a la inversión en eficiencia energética, hemos destinado más de 8,2 millones de euros, lo que supone un cumplimiento del 134% sobre el objetivo fijado.

Contribución a los ODS:



Plan de Sostenibilidad 2020



Sines

Acción

Implementar plan de estudio y evaluación para instalar paneles fotovoltaicos en el Complejo Industrial de Sines en régimen de autoconsumo.

Descripción

Elaboraremos un estudio y evaluación de un plan para instalación de parques de paneles fotovoltaicos con el objetivo de reducción de las emisiones de CO₂ del Complejo Industrial de Sines, para conseguir la excelencia operativa y poniendo en marcha diferentes acciones, orientadas a incrementar la eficiencia energética en nuestros procesos. Este proyecto no permitirá reducir aproximadamente 1.800 ton CO₂/año.

Indicador

Lanzar y adjudicar la fase FEL hasta octubre de 2020.

Qué hemos conseguido



Hemos preparado las especificaciones para la Fase FEL y hemos consultado el mercado, siendo completada la contratación y adjudicación el 16 de diciembre de 2020.

Contribución a los ODS:



Plan de Sostenibilidad 2020

Tarragona



Acción

Gestionar el sistema de eficiencia energética según la norma ISO 50.001.

Descripción

Proseguiremos con la consolidación y mejora continua del sistema de gestión de la eficiencia energética según la norma ISO 50.001 con el objetivo de aumentar la eficiencia en el consumo y utilización de la energía.

Indicador

Superar la auditoría de seguimiento de la ISO 50001.

Qué hemos conseguido



Hemos consolidado el sistema de gestión de la eficiencia energética, habiendo superado la auditoría de la norma ISO 50.001.

Contribución a los ODS:



Plan de Sostenibilidad 2020

Tarragona



Acción

Conseguir la reducción de las toneladas de gases de efecto invernadero previstas en el programa de reducción de emisiones (2014-2020).

Descripción

El Complejo Industrial de Repsol Tarragona tiene asignadas una serie de acciones dentro del plan de reducción de emisiones de CO₂ en el período 2016-2020. Durante el ejercicio, gestionaremos las tareas asignadas para su correcto desarrollo y compleción.

Nuestro trabajo estará dirigido a la identificación, estudio, ejecución y puesta en marcha de nuevas inversiones relacionadas con la eficiencia y las mejoras operativas en las unidades de proceso.

Indicador

Conseguir la totalidad de reducción de toneladas de CO₂ para el período 2016-2020, alcanzando la reducción de 99kt para todo el periodo.

Mantener la certificación ISO 14064 y superar las auditorías previstas.

Qué hemos conseguido



Hemos renovado la certificación ISO14064 asociada a las acciones de 2019 implicadas, certificando una reducción de emisiones de 8200 toneladas de CO₂. Sin embargo, en relación al objetivo de disminución de emisiones en el período 2016-2020, no hemos podido conseguirlo debido al impacto en la actividad de la pandemia COVID19.

Contribución a los ODS:



6 Más Información

More Information



Si quieres conocer más información de los Planes de Sostenibilidad en los que se encuentran estas acciones puedes visitar nuestra página web repsol.com.

If you want to know more information about the Sustainability Plans in which you find these actions you can visit our website repsol.com.



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