

**GRI, SASB, TCFD INDEX.**

**YPF**

# GRI INDEX

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
General contents						
1	Declaration of use		6	YPF reported in accordance with the GRI standards for the period from January 1, 2023 to December 31, 2023.		
1	Standards used per industry		6	GRI 11: Oil and Gas Industry 2021		
2-1	Organizational description		7			
2-2	Entities included in the sustainability report of the organization		6	To see the Consolidated Financial Statements, click here. Omission Metrogas S. A. Information not available or incomplete.		
2-3	Reporting period, frequency, and contact point		6	The YPF sustainability reports are submitted annually. Click here to view the reports. Contact: <a href="mailto:sustentabilidad@ypf.com">sustentabilidad@ypf.com</a>		
2-4	Reformulation of information		6, 152-155	Appendix B		
2-5	External verification		176-178			
2-6	Activities, value chain, and other business relationships		10,85			
2-7	Employees		75, 140-141		No. 6	
2-8	Workers who are not employees		75, 140-142			
2-9	Governance structure		24,25			
2-10	Appointment and selection of the highest governance body		25			
2-11	Chair of the highest governance body		25	At the extraordinary shareholders' meeting held on January 26, 2024, the YPF Bylaws were amended, such that the Chairman of the Board of Directors can also serve as CEO. If desired, copy the following link: <a href="https://inversores.ypf.com/estatuto.html">https://inversores.ypf.com/estatuto.html</a>		
2-12	Oversight of the highest governance body on impact management		14,26			

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
2-13	Delegation of responsibility for impact management		14,26-27			
2-14	Role of the highest governance body in sustainability reporting		14			
2-15	Conflicts of interest		35			
2-16	Communicating concerns		14			
2-17	Knowledge of the highest governance body		25	Click the link to view the experience of the current members of the Board of Directors <a href="https://lacompania.ypf.com/directorio.html">https://lacompania.ypf.com/directorio.html</a>		
2-18	Performance assessment of the highest governance body		26			
2-19	Compensation policies		27			
2-20	Process for determining compensation		27			
2-21	Annual total compensation ratio		133			
2-22	Sustainable Growth Strategy Statement		4			
2-23	Commitments		21,26-27,33		No. 10	
2-24	Embedding and implementing commitments		21,33			
2-25	Processes for remediation of negative impacts		21,36,89			
2-26	Mechanisms for seeking advice and raising concerns		16,25,89		No. 10	
2-27	Compliance with laws and regulations		116			
2-28	Membership in associations		14,16,38			
2-29	Approach to stakeholder engagement		18			
2-30	Collective bargaining agreements		75		No. 3	

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
Material topics						
3-1	Process to determine material topics		19-20			
3-2	List of material topics		20			
11.1 GHG emissions [Material Topic YPF: Management of CO <sub>2</sub> and methane emissions]						
3-3	Material topic management	11.1.1	40,48-55			
302-1	Energy consumption within the organization	11.1.2	53,111		No. 7, 8	X
302-2	Energy consumption outside the organization	11.1.3	-	Information not available.	No. 8, 9	
302-3	Energy intensity	11.1.4	53,111		No. 8	
305-1	Direct GHG emissions (Scope 1)	11.1.5	48,112-113		No. 7, 8	X
305-2	Indirect GHG emissions (Scope 2)	11.1.6	48,113		No. 7, 8	X
305-3	Other indirect GHG emissions (Scope 3)	11.1.7	48,114		No. 7, 8	X
305-4	GHG emissions intensity	11.1.8	48,114		No. 8, 9	
	Methane emissions	Other	51,112			
	Volume of flared and vented hydrocarbon	Other	115			
11.2 Climate adaptation, resilience, and transition [Material Topic YPF: Climate change-resilient and regulatory business model; renewable and low-carbon energy production and development]						
3-3	Material topic management	11.2.1	42-45			
201-2	Financial implications and other risks and opportunities due to climate change	11.2.2	32,40-41,43-44		No. 7	
305-5	Reduction of GHG emissions	11.2.3	51, 115		No. 8, 9	
	Approach to climate change public policy development and lobbying	11.2.4	-		No. 8, 9	
	Disclosures aligned with the Taskforce on Climate-Related Financial Disclosures (TCFD) framework.	Other	174-175	See TCFD index.		

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
11.3 Atmospheric emissions [Material Topic YPF: Air quality and air pollution near populated areas]						
3-3	Material topic management	11.3.1	67			
305-7	Nitrous oxides (NOX), sulfur oxides (SOX), and other significant air emissions	11.3.2	67,126		No. 7, 8	X
416-1	Assessment of the health and safety impacts of product or service categories	11.3.3	101-102			
11.4 Biodiversity [Material Topic YPF: Biodiversity and impact on ecosystems]						
3-3	Material topic management	11.4.1	62-63			
304-1	Operations centers owned, leased, or managed that are located within or adjacent to protected areas or areas of high biodiversity value outside protected areas	11.4.2			No. 7	
304-2	Significant impacts of activities, products, and services on biodiversity	11.4.3			No. 7	
304-3	Protected or restored habitats	11.4.4			No. 7	
304-4	IUCN Red List species and national conservation list of species with habitats in areas affected by operations	11.4.5			No. 7	
11.5 Waste [Material Topic YPF: Responsible waste management]						
3-3	Material topic management	11.5.1	62-63			
306-1	Waste generation and significant waste-related impacts	11.5.2	62-63		No. 8	
306-2	Management of significant waste-related impacts	11.5.3	62-63		No. 8	
306-3	Waste generated	11.5.4	62-63, 119-120		No. 8	X
306-4	Waste not destined for disposal	11.5.5	62-63, 121-122		No. 8	X
306-5	Waste destined for disposal	11.5.6	62-63, 121-122		No. 8	X

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
11.6 Water and effluents [Material Topic YPF: Water and effluents]						
3-3	Material topic management	11.6.1	64-66			
303-1	Interactions with water as a shared resource	11.6.2	64-66		No. 7, 8	
303-2	Management of water discharge-related impacts	11.6.3	64-66		No. 8	
303-3	Water extraction	11.6.4	64-66, 122-124		No. 7, 8	X
303-4	Water discharge	11.6.5	65, 124-125		No. 8	
303-5	Water consumption	11.6.6	125		No. 8	X
11.7 Closure and rehabilitation						
3-3	Material topic management	11.7.1	64-66			
402-1	Minimum notification periods for operational changes	11.7.2	64-66	YPF S.A. is committed to complying with the terms and modalities established by the legal regulations, its internal rules, and the collective bargaining agreements that it has signed or to which it is party through the industry chambers of which it is formally a member.		
404-2	Programs for upgrading employee skills and transition assistance programs	11.7.3	64-66			
	Operational sites with closure plan, closed, or in the process of being closed	11.7.4	64-66, 122-124			
	Decommissioned structures left in place	11.7.5	65, 124-125	Information not available.		
	Total monetary value of financial provisions for closure and rehabilitation	11.7.6	125	Information not available.		
11.8 Asset integrity and critical incident management [Material topic YPF: Incident preparedness and response]						
3-3	Material topic management	11.8.1	72-73			
306-3 (2016)	Significant spills	11.8.2	63, 119-120, 154		No. 7	
	Total number of Tier 1 and Tier process safety events	11.8.3	132		No. 7	
	Bituminous sand operations	11.8.4	-	YPF does not have bituminous sand operations, and therefore, it does not have these types of facilities.		

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
11.9 Occupational health and safety [Material Topic YPF: Occupational health and safety]						
3-3	Material topic management	11.9.1	69-74			
403-1	Occupational health and safety management system	11.9.2	69		No. 1	
403-2	Hazard identification, risk assessment, and incident investigation	11.9.3	69-74		No. 1	
403-3	Occupational health services	11.9.4	71-72		No. 1	
403-4	Worker participation, consultation, and communication on occupational health and safety	11.9.5	70		No. 1	
403-5	Worker training on occupational health and safety	11.9.6	70-72		No. 1	
403-6	Promotion of worker health	11.9.7	72		No. 1	
403-7	Prevention and mitigation of occupational health and safety impacts directly linked with business relationships	11.9.8	69		No. 1	
403-8	Coverage of the occupational health and safety management system	11.9.9	69, 131		No. 1	
403-9	Work-related injuries	11.9.10	71, 128-129		No. 1	X
403-10	Work-related illness and disease	11.9.11	71, 13		No. 1	
11.10 Employment practices [Material Topic YPF: Talent management]						
3-3	Material topic management	11.10.1	81			
401-1	New employee hires and employee turnover	11.10.2	75,135-138		No. 6	
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	11.10.3	75-77	YPF has no part-time employees. Temporary employees have the same benefits as YPF's own employees.	No. 6	
401-3	Parental leave	11.10.4	77, 138-139		No. 6	

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
402-1	Minimum notification periods for operational changes	11.10.5	-	YPF S.A. is committed to complying with the terms and modalities established by the legal regulations, its internal rules, and the collective bargaining agreements that it has signed or to which it is party through the industry chambers of which it is formally a member.		
404-1	Average hours of training per year per employee	11.10.6	78,139			
404-2	Programs for upgrading employee skills and transition assistance programs	11.10.7	75			
414-1	New suppliers that were screened and approved according to social criteria	11.10.8	85,147		No. 2	
414-2	Negative social impacts in the supply chain and measures taken	11.10.9	85		No. 2	
	Average cost of hiring	Other	138			
	Vacant positions filled by internal candidates	Other	77			
404-3	Percentage of employees receiving regular performance and professional development assessments	Other	80			
11.11 Non-discrimination and equal opportunity [Material topic YPF: Diversity and equal opportunity]						
3-3	Material topic management	11.11.1	81-83			
202-2	Proportion of senior management hired from the local community	11.11.2	143	In 2023, 100% of all senior executives (directors) of the YPF Group were hired from the local community, which is defined as Argentina (naturalized citizens or holders of permanent visas).	No. 6	
401-3	Parental leave	11.11.3	77,138-139		No. 6	
404-1	Average hours of training per year per employee	11.11.4	78,139			
405-1	Diversity of governance bodies and employees	11.11.5	81,140-142	For classification of the categories, we use the concept of the position title, which is the smallest unit in which similar functions/tasks that define the position title are grouped together, and which is then staffed by every employee in the company. This classification differs from that used for GRI 405-2	No. 6	

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
405-2	Ratio of base salary and compensation of women versus men	11.11.6	81,142	Omission_ Confidentiality: Does not include confidential payroll. It does not include personnel subject to the AESA agreement (hierarchy, day laborers-UOCRA, day laborers-UOM, monthly FASP/P.P., monthly FASP/REF, hierarchical personnel, oil personnel, private oil workers) [Omission, information incomplete] For the purposes of calculating the indicator, in all cases, the base salary is considered as the best represented unit in reference to internal equality and gender equality. Other fixed or variable additions are not included, neither are concepts of variable compensation or benefits that make up the total compensation and that could have differences due to issues of work modality, region, fulfillment of objectives, or other issues related to the position and not to the person.	No. 6	X
406-1	Incidents of discrimination and corrective measures taken	11.11.7	81		No. 6	
11.12 Forced labor and modern slavery [Material topic YPF: Human rights]						
3-3	Material topic management	11.12.1	21-22			
409-1	Operations and suppliers for which a significant risk of forced labor or compulsory labor exists	11.12.2	21-22	Based on the assessment tools available, YPF did not identify forced labor risks in operations and suppliers with current contracts for the period covered by this report.	No. 4	
414-1	New suppliers that were screened and approved according to social criteria	11.12.3	86,147		No. 2	
11.13 Freedom of association and collective bargaining [Material topic YPF: Human rights]						
3-3	Material topic management	11.13.1	21-22			
407-1	Operations and suppliers whose right to freedom of association and collective bargaining may be at risk	11.13.2	21-22	The company respects and promotes freedom of association and collective bargaining. Based on the assessment tools available, YPF did not identify significant risks to freedom of association in operations and suppliers with current contracts for the period covered by this report.	No. 3	
11.14 Economic impacts [Material Topic YPF: Economic impact and local development]						
3-3	Material topic management	11.14.1	28-29			
201-1	Direct economic value generated and distributed	11.14.2	28-29			
202-2	Proportion of senior management hired from the local community	11.14.3	143	In 2023, 100% of all senior executives (directors) of the YPF Group were hired from the local community, which is defined as Argentina (naturalized citizens or holders of permanent visas).	No. 6	

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
203-1	Infrastructure investments and services supported	11.14.4	89,95-96	YPF makes investments in infrastructure that has a public benefit through its social investment activities (page X), and the activities of Fundación YPF (pages XX), in particular the Sustainable Cities Program (page X).		
203-2	Significant indirect economic impacts	11.14.5	86-87,95-96,98-99, 103-104	The main indirect economic impacts of the activities of YPF include: contributions to innovation and development of new technologies and knowledge (see information on Y-TEC on pages X); availability of energy services and products to industries in Argentina, facilitating productive activities (see information on YPF Agro and our customers on pages X); investment, purchase, and employment in regions in Argentina, supporting local economies (see information on our local purchases and programs to enhance the national value chain, such as Ympulso on pages X); and training and education of professionals and teachers in Argentina (see information on the educational activities of Fundación YPF on pages X).		
204-1	Proportion of expenditure on local suppliers	11.14.6	85,146-147			
308-1	New suppliers that have passed selection and assessment filters according to environmental criteria	Other	85		No. 8	
308-2	Negative environmental impacts on the supply chain and measures taken.	Other	85		No. 8	
11.15 Local communities [Material Topic YPF: Impact and community relations]						
3-3	Material topic management	11.15.1	89-91			
413-1	Operations with local community engagement, impact assessments, and development programs	11.15.2	21,70,89-91,95-96,149	All the YPF operational blocks have community consultation processes. This represents 100% of the assets with activities or 41% of total concession areas (99 in total). (i, ii, iii). All YPF operations have environmental impact and social impact assessments (100%).	No. 1	
413-2	Operations with significant actual and potential negative impacts on local communities	11.15.3	21	We implemented a process of due diligence and a mapping of human rights risks with the object of identifying real and potential negative impacts on local communities.	No. 1	
	Number and type of complaints from local communities identified	11.15.4	150		No. 1	
11.16 Land and resource rights						
3-3	Material topic management	11.16.1	89-91			
	Involuntary relocation	11.16.2	90-91	In 2023, we did not require or encourage the relocation of any community, nor did we receive any information from the communities where we operate regarding third parties seeking resettlement.	No. 1	

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11.17 Rights of indigenous peoples [Material Topic YPF: Impact and community relations]						
	Material topic management	11.17.1	90-91			
411-1	Incidents of violations involving the rights of indigenous peoples	11.17.2	150		No. 2	
	Operations where indigenous peoples are present or are affected by the activities of the organization	11.17.3	151		No. 2	
	Free, previous, and informed consent	11.17.4	90-91		No. 2	
11.18 Conflict and security						
3-3	Material topic management	11.18.1	21			
410-1	Security personnel trained in human rights policies or procedures	11.18.2	21		No. 2	
11.19 Anti-competitive behavior [Material Topic YPF: Ethics and integrity]						
3-3	Material topic management	11.19.1	35			
206-1	Legal actions for anti-competitive behavior, antitrust, and monopoly practices, and against free competition	11.19.2	35	No significant non-compliances with laws and regulations were detected in 2023, including claims related to anti-competitive conduct.	No. 10	
11.20 Anti-corruption [Material Topic YPF: Ethics and integrity]						
3-3	Material topic management	11.20.1	34-35			
205-1	Operations assessed for risks related to corruption	11.20.2	33	The Compliance area periodically updates the corruption risks map linked to our in-house staff and to third parties, which covers all businesses and operations (100%), and is included in the corporate risks map with their respective mitigation measures.	No. 10	
205-2	Communication and training concerning anti-corruption policies and procedures	11.20.3	33		No. 10	
205-3	Confirmed cases of corruption and measures taken	11.20.4	33	There were no confirmed cases of corruption or significant non-compliance with laws and regulations in 2023.	No. 10	
	Approach to contract transparency	11.20.5	-	We are part of the Multiparticipio Group of EITI Argentina. For more information, click here.	No. 10	
	Beneficial owners / actual beneficiaries	11.20.6	-	We are part of the Multiparticipio Group of EITI Argentina. For more information, click here.	No. 10	

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
11.21 Payments to governments [Material Topic YPF: Financial and fiscal transparency]						
3-3	Material topic management	11.21.1	37			
201-1	Direct economic value generated and distributed	11.21.2	92			
201-4	Financial assistance received from the government	11.21.3	-	Considering that we are the main energy group in Argentina, the YPF customers and suppliers portfolio includes both public and private sector entities. As required by IAS 24 "Related Party Disclosures", our major transactions with government entities are disclosed on our Form 20-F 2023. It is available at: <a href="https://investors.ypf.com/r/documents.html?p=Anual%20Form%20YPF%20-%20Form%2020-F%202023.pdf">https://investors.ypf.com/r/documents.html?p=Anual%20Form%20YPF%20-%20Form%2020-F%202023.pdf</a>		
207-1	Approach to taxes	11.21.4	37			
207-2	Tax governance, control, and risk management	11.21.5	37			
207-3	Stakeholder engagement and management of concerns related to taxes	11.21.6	37			
207-4	Tax reporting by country	11.21.7	37			
	Oil and gas purchased from the state	11.21.8	-	Not applicable because it is not present.		
11.22 Public policy						
3-3	Material topic management	11.22.1	34			
415-1	Contributions to political parties and/or political representatives	11.22.2	110	In 2023, YPF did not make any contributions to political parties or their representatives, pursuant to the policies and guidelines established by the company for these matters.	No. 10	
Other material topics						
Material Topic YPF: Corporate Governance						
3-3	Material topic management	-	24			
Material Topic YPF: Cost competitiveness						
3-3	Material topic management	-	8-10			

GRI STANDARD	CONTENTS	GRI 11 CODE	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	GLOBAL COMPACT	EXTERNAL VERIFICATION
Material Topic YPF: Innovation and digital transformation						
3-3	Material topic management	-	98-100			
Material Topic YPF: Customer experience						
3-3	Material topic management	-	101-104			
417-1	Requirements for product information, service information, and labeling	GRI 417-1	101-104			
417-2	Incidents of non-compliance concerning product information, service information, and labeling	GRI 417-2	101-104	No significant non-compliances related to product information, service information, and labeling were detected in 2023.		
417-3	Cases of non-compliance concerning marketing communications	GRI 417-3	101-104	No significant non-compliances related to marketing communications were detected in 2023.		
418-1	Substantiated complaints concerning violations of customer privacy or loss of customer data	GRI 418-1	101-104	No substantiated complaints concerning violations of customer privacy or loss of customer data were detected in 2023	No. 1	

# SASB INDEX

TOPIC	EXPLORATION AND PRODUCTION	MIDSTREAM	REFINING AND MARKETING	METRICS	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION
<b>GHG Emissions</b>	EM-EP-110a.1	EM-MD-110a.1	EM-RM-110a.1	Gross global Scope 1 emissions, percentage of methane, percentage covered under emissions-limiting regulations		All GHG emissions associated with our operations are covered by the relevant Argentine government regulations.
	EM-EP-110a.2			Amount of gross global Scope 1 emissions from: (1) flared hydrocarbons, (2) other combustion, (3) process emissions, (4) other vented emissions, and (5) fugitive emissions		
	EM-EP-110a.3	EM-MD-110a.2	EM-RM-110a.2	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance relative to those targets		
<b>Air quality</b>	EM-EP-120a.1	EM-MD-120a.1	EM-RM-120a.1	Air emissions of the following pollutants: (1) NOX (excluding N <sub>2</sub> O), (2) SOX, (3) volatile organic compounds (VOCs), (4) particulate matter (PM <sub>10</sub> ), and (5) H <sub>2</sub> S		
			EM-RM-120a.2	Number of refineries in or near densely populated areas		YPF has 3 industrial complexes located in or near densely populated areas (→50.000 people): La Plata, Lujan de Cuyo, and Plaza Huinul.
<b>Water management</b>	EM-EP-140a.1		EM-RM-140a.1	(1) Total fresh water extracted, (2) total fresh water consumed, (3) recycled percentage, (4) percentage of each in regions with high or extremely high water stress		
	EM-EP-140a.2			Volume of produced water and flowback generated; percentage (1) discharged, (2) injected, (3) recycled; hydrocarbon content in discharged water		
	EM-EP-140a.3			Percentage of hydraulically fractured wells for which there is public disclosure of all fracturing fluid chemicals used		Information on hydraulic fracturing activities, including the chemicals used in the process, is reported to the appropriate entity (RENPRE) which makes this information available to the public.
	EM-EP-140a.4			Percentage of hydraulic fracturing sites where ground water or surface water quality deteriorated compared to a baseline / policies and practices related to the quality of ground water and surface water management		
			EM-RM-140a.2	Number of incidents of non-compliance associated with water quality permits, standards, and regulations		

TOPIC	EXPLORATION AND PRODUCTION	MIDSTREAM	REFINING AND MARKETING	METRICS	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION
<b>Hazardous materials management</b>			EM-RM-150a.1	Amount of hazardous waste generated, percentage recycled		
			EM-RM-150a.2	(1) Number of underground storage tanks (USTs), (2) number of UST releases requiring cleanup, and (3) percentage in states with UST financial assurance funds.		They are declared to the Secretariat of Energy who supervises the installation, operation, and closure of underground tanks. This information is made available to the public, on request. The entire YPF network of service station facilities complies with the legal requirements that authorize such facilities. These requirements are regulated and controlled by the Secretariat of Energy of Argentina. These controls are carried out through companies authorized by said entity and, depending on the age of the facility, the validity of said certificate is determined. The valid current resolutions are: Res. 1102/04; Res. 404/94, and its amendments.
<b>Biodiversity impacts</b>	EM-EP-160a.1	EM-MD-160a.1		Description of environmental management policies and practices for active sites		
	EM-EP-160a.2	EM-MD-160a.4		Number and aggregate volume of hydrocarbon spills, volume in the Arctic, volume in unusually sensitive areas (USA), volume that impacts shorelines with ESI rankings 8-10, and volume recovered		YPF does not operate in the Arctic.
	EM-EP-160a.3			Percentage of (1) proven reserves and (2) probable reserves in or near sites with protected conservation status or endangered species habitat.		
		EM-MD-160a.2		Percentage of land owned, leased, or exploited within protected conservation status areas or endangered species habitats.		
		EM-MD-160a.3		Surface area of altered land, percentage of affected area recovered		

TOPIC	EXPLORATION AND PRODUCTION	MIDSTREAM	REFINING AND MARKETING	METRICS	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION
<b>Safety, human rights, and the rights of indigenous peoples</b>	EM-EP-210a.1			Percentage of (1) proven reserves and (2) probable reserves in or near areas of conflict		YPF does not operate in areas of conflict.
	EM-EP-210a.2			Percentage of (1) proven reserves and (2) probable reserves in or near indigenous lands		13% of the proven net reserves of YPF and 9% of probable reserves are located in areas where indigenous communities live or are close to these areas.
	EM-EP-210a.3			Discussion of engagement processes and due diligence practices with respect to human rights, indigenous rights, and operation in areas of conflict		
<b>Community relations</b>	EM-EP-210b.1			Discussion of the process to manage risks and opportunities associated with community rights and interests		
	EM-EP-210b.2			Number and duration of non-technical delays		
<b>Occupational health and safety</b>	EM-EP-320a.1		EM-RM-320a.1	(1) Total rate of incidents registered (TRIR), (2) Mortality rate, (3) "Near misses" frequency rate (NMFR), and (4) Average training hours in health, safety, and response to emergencies for (a) full-time employees, (b) employees under contract, and (c) short-term employees		The near miss frequency rate is not reported.
	EM-EP-320a.2	EM-MD-540a.4	EM-RM-320a.2	Discussion of management systems used to integrate a culture of safety and preparedness for critical incidents throughout the value chain and the lifecycle of projects.		
<b>Reserves and capital expenditure</b>	EM-EP-420a.1			Sensitivity of hydrocarbon reserve levels to future price projection scenarios that account for a price on carbon emissions		Currently, this type of assessment is not carried out.
	EM-EP-420a.2			Estimated carbon dioxide emissions embedded in proven hydrocarbon reserves		
	EM-EP-420a.3			Amount invested in renewable energy, generated revenue by renewable energy sales		YPF LUZ investments are reported.
	EM-EP-420a.4			Discussion on how price and demand for hydrocarbons and/or climate regulation influence the capital expenditure strategy for exploration, acquisition, and development of assets		

TOPIC	EXPLORATION AND PRODUCTION	MIDSTREAM	REFINING AND MARKETING	METRICS	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION
<b>Business ethics and transparency</b>	EM-EP-510a.1			Percentage of (1) proven reserves and (2) probable reserves in countries that have the 20 lowest rankings in the Corruption Perception Index of Transparency International		We do not operate, nor do we have reserves in countries that have the lowest rankings in the Corruption Perception Index of Transparency International.
	EM-EP-510a.2			Description of the management system for prevention of corruption and bribery throughout the value chain		
<b>Competitive behavior</b>		EM-MD-520a.1		Total amount of monetary losses as a result of legal proceedings associated with federal pipeline and storage regulations		
<b>Price transparency and integrity</b>			EM-RM-520a.1	Total amount of monetary losses as a result of legal proceedings associated with price fixing or price manipulation		
<b>Product specifications and clean fuel blends</b>			EM-RM-410a.2 (2023)	Total accessible market and share of the market for advanced biofuels and associated infrastructure		
			EM-RM-410a.3 (2023)	Volumes of renewable fuels for fuel blending: (1) net quantity produced, (2) net quantity purchased		YPF establishes goals for the blending of biofuels in its products in line with the national regulation of Argentina. In 2022, this was 4.8% in diesel fuel and 11.8% in gasolines.
<b>Management of the legal and regulatory environment</b>	EM-EP-530a.1		EM-RM-530a.1	Discussion of corporate positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry		
<b>Critical incident risk management</b>	EM-EP-540a.1		EM-RM-540a.1	Rates for highest consequence process safety events (PSE) involving loss of primary containment (LOPC) (Tier 1) and for lowest consequence (level 2)		
	EM-EP-540a.2			Description of management systems used to identify and mitigate disaster risks and ultimate risks		
			EM-RM-540a.2	Indicator rate for threats to safety systems (Tier 3)		Tier 3 process safety events are not reported.
			EM-RM-540a.3	Discussion of measurement of the operative discipline and the performance of the management system through Tier 4 indicators		Tier 4 process safety events are not reported.

TOPIC	EXPLORATION AND PRODUCTION	MIDSTREAM	REFINING AND MARKETING	METRICS	PAGE NUMBER OR URL	RESPONSE, EXPLANATION OR OMISSION	
<b>Operational safety, emergency preparedness and response</b>		EM-MD-540a.1		Number of reportable pipeline incidents, significant percentage		All the incidents in our own oil pipelines are recorded and reported.	
		EM-MD-540a.2		Percentage of (1) natural gas and (2) hazardous fluid pipelines inspected		All gas facilities have an integrity model and undergo scheduled inspections with various technologies.	
		EM-MD-540a.3		Number of (1) accidental emissions, and (2) non-accidental releases (NAR) from rail transport		Only coke is transported by rail. Consequently this indicator is not considered relevant.	
<b>Activity metrics</b>	EM-EP-000.A			Production of: (1) oil, (2) natural gas, (3) synthetic oil, (4) synthetic gas			
	EM-EP-000.B			Number of offshore sites			
	EM-EP-000.C			Number of land sites			
		EM-MD-000.A			Metric tons by total kilometers of: 1) natural gas, 2) crude oil, and 3) refined oil products transported, by mode of transport		
			EM-RM-000.A		Refining throughput of crude oil and other raw materials.		
			EM-RM-000.B		Refining operating capacity		

# TCFD INDEX

TCFD PILLAR	RECOMMENDED REPORTS	WHERE TO FIND RELEVANT INFORMATION CONCERNING YPF
<b>Governance</b>	a) Describe the control of the Board of Directors on climate-related risks and opportunities.	<ul style="list-style-type: none"> <li>• Climate change resilience, approach, and governance,</li> <li>• Sustainability governance,</li> <li>• CDP Climate Change Response – C<sub>1</sub>.1</li> </ul>
	b) Describe the role of management when assessing and managing risks and opportunities related with the climate.	<ul style="list-style-type: none"> <li>• Climate change resilience, approach, and governance,</li> <li>• Sustainability governance,</li> <li>• CDP Climate Change Response – C<sub>1</sub>.2, 1.3</li> </ul>
<b>Strategy</b>	a) Describe climate-related risks and opportunities that the organization has identified in the short-term, medium-term, and long-term.	<ul style="list-style-type: none"> <li>• Climate change resilience, risk identification, assessment, and management,</li> <li>• Main emerging risks,</li> <li>• CDP Climate Change Response – C<sub>2</sub>.1, 2.3, 2.4</li> </ul>
	b) Describe the impact of climate-related risks and opportunities on the businesses, strategy, and financial planning of the organization.	<ul style="list-style-type: none"> <li>• Climate challenge and energy perspectives,</li> <li>• Climate change resilience, risk identification, assessment, and management,</li> <li>• CDP Climate Change Response – C<sub>2</sub>.3, 2.4, 3.1, 3.3, 3.4</li> </ul>
	c) Describe the resilience of the strategy of the organization, with due consideration of the various climate-related scenarios, such as a scenario with 2 °C or less.	<ul style="list-style-type: none"> <li>• Climate challenge and energy perspectives,</li> <li>• Climate change resilience, risk identification, assessment, and management,</li> <li>• CDP Climate Change Response – C<sub>3</sub>.2, 3.3, 3.4</li> </ul>
<b>Risk management</b>	a) Describe the processes of the organization to identify and assess climate-related risks.	<ul style="list-style-type: none"> <li>• Climate change resilience, risk identification, assessment, and management,</li> <li>• CDP Climate Change Response – C<sub>2</sub>.1, 2.2</li> </ul>
	b) Describe the processes of the organization for managing climate-related risks.	<ul style="list-style-type: none"> <li>• Climate change resilience, risk identification, assessment, and management,</li> <li>• Risk management,</li> <li>• CDP Climate Change Response – C<sub>2</sub>.1, 2.2</li> </ul>
	c) Describe how processes to identify, assess, and manage climate-related risks are embedded in the general risk management of the organization.	<ul style="list-style-type: none"> <li>• Risk management,</li> <li>• CDP Climate Change Response – C<sub>2</sub>.1, 2.2</li> </ul>

TCFD PILLAR	RECOMMENDED REPORTS	WHERE TO FIND RELEVANT INFORMATION CONCERNING YPF
<b>Metrics and goals</b>	<p>a) Disclose the metrics used by the organization to assess climate-related risks and opportunities based on the organization's strategy and risk management process.</p>	<ul style="list-style-type: none"> <li>• Sustainability priorities and contribution to the SDGs, Metrics related to climate change risks and opportunities</li> <li>• Energy efficiency (consumption, sources, intensity),</li> <li>• Flared and vented hydrocarbon,</li> <li>• Methane emissions,</li> <li>• Reduction of emissions through CDM projects,</li> <li>• Internal carbon price,</li> <li>• Estimated CO<sub>2</sub> emissions from reserves incorporated into proven hydrocarbon reserves,</li> <li>• Amount invested in renewable energy sources and sales generated,</li> <li>• Capacity and generation of renewable energy, emissions avoided, and capacity factor,</li> <li>• Water management, including water extraction from water-stressed areas</li> <li>• Waste management,</li> </ul>
	<p>b) Disclose Scope 1, Scope 2, and, if applicable, Scope 3 of greenhouse gases (GHG) emissions and their related risks.</p>	<p>Low-carbon oil and gas operations – climate metrics and performance discussion:</p> <ul style="list-style-type: none"> <li>• Scope 1 GHG emissions (intensity, total, per business, per industry),</li> <li>• Scope 2 GHG emissions,</li> <li>• Scope 3 GHG emissions (goods and services purchased, waste generated in operations, use of products sold, franchises),</li> <li>• CDP Climate Change Response – C<sub>6</sub>, C<sub>7</sub></li> </ul>
	<p>c) Describe goals used by the organization to manage climate-related risks and opportunities and performance relative to the goals.</p>	<ul style="list-style-type: none"> <li>• Climate Change Roadmap,</li> <li>• Sustainability priorities and contribution to the SDGs,</li> <li>• CDP Climate Change Response – C<sub>4</sub>.1, 4.2</li> </ul>

# LIMITED ASSURANCE REPORT



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**INDEPENDENT LIMITED ASSURANCE REPORT OF INDEPENDENT PUBLIC ACCOUNTANTS  
 ON SELECTED INFORMATION INCLUDED IN THE 2023 SUSTAINABILITY REPORT**

To the President and Directors of  
**YPF S.A.**  
 CUIT N°: 30-54668997-9  
 Legal address: Macacha Güemes 515  
 Ciudad Autónoma de Buenos Aires

**1. Identification of the information subject to the engagement**

We have been engaged to perform a limited assurance engagement on selected information contained in the 2023 Sustainability Report of YPF S.A. (the "Company"), for the period beginning on January 1, 2023 and ended December 31, 2023.

Our work was carried out by an independent and multidisciplinary team including professionals with experience in assurance engagement and sustainability specialists.

Our limited assurance engagement was made solely in respect to the selected sustainability information included in the attached Appendix A. Our assurance report does not extend to prior period information or other information included in the 2023 Sustainability Report, or other information related to such report that may contain images, audios, videos or references to other documents on the internet.

**2. Criteria used for the preparation of the information subject to assurance ("Criteria")**

The selected sustainability information, included in the attached Appendix A, has been prepared and presented in accordance with the standards of the Global Reporting Initiative (2021) and the Oil & Gas Chapter ("GRI").

**3. Responsibility of the Company's Board of Directors and Management for the selected information**

The Board of Directors and Management of YPF S.A. is responsible for:

- a) the preparation and presentation of the selected information in accordance with the standards of GRI;
- b) the design, implementation and maintenance of the processes for its preparation, and of the bases and criteria for its preparation;
- c) the internal control that the Board of Director deems necessary to enable the preparation of information free from material misstatements, whether due to fraud or error.

**4. Responsibilities of the public accountant**

Our responsibility is to express a limited assurance conclusion based on the work performed. We have conducted our work in accordance with the Technical Resolution No. 35 ("RT 35", for its acronym in Spanish) "Adoption of International Standards on Assurance Engagements and Related Services of the International Auditing and Assurance Standards Board ("IAASB") of the International Federation of Accountants ("IFAC") issued by the Argentine Federation of Professional Councils of Economic Sciences ("FACPCE", for its acronym in Spanish) that adopts the International Standard on Assurance Engagements ("ISAE") 3000 "Assurance Engagements Other Than an Audit or Review of Historical Information" issued by the IAASB.

2.

These standards require to comply with ethical requirements, as well as to plan and execute the engagement in order to obtain limited assurance about the selected information contained in the 2023 Sustainability Report, has been prepared and presented according to the aforementioned criteria and is free of material misstatements.

However, the absence of a generally accepted methodology or practice for identifying, evaluating and measuring non-financial information may result in different assumptions and criteria and thus values not necessarily comparable with those of other entities, which represents an inherent limitation.

In a limited assurance engagement, accurate and sufficient evidence is obtained as part of a systematic process, including obtaining an understanding of the subject matter of the engagement and of other circumstances of the work, to make inquiries primarily to the persons responsible for the preparation of the selected information, and to apply other appropriate procedures, but in which the procedures are significantly less in scope than a reasonable assurance engagement and therefore does not provide assurance that we have become aware with all significant matters that might be identifiable, for that reason we do not issue a reasonable assurance opinion on whether the selected information has been prepared, in all material respects, in accordance with GRI.

**5. Compliance with Independence and Other Ethical Requirements and Quality Control**

We have complied with the independence and other ethical requirements of the International Ethics Standards Board for Accountants' International Code of Ethics for Professional Accountants ("IESBA" Code), which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality, and professional behavior.

The firm applies International Standard on Quality Management N°1 ("ISQM" 1), which requires the firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards, and applicable legal and regulatory requirements.

**6. Procedures performed**

The procedures we have performed were based on our professional judgment and included inquiries, observation of the processes performed, inspection of documents, analytical procedures, evaluation of the adequacy of quantification methods and reporting policies, and verification of agreement or reconciliation with the underlying records.

Among the procedures performed are the following:

- a) Inquire to the Board of Directors, Management and entity's personnel responsible for the collection of the information and of the preparation of the selected information contained in the 2023 Sustainability Report with the purpose of obtaining an understanding of the company's sustainability policies, actions implemented and those systems used for the compilation of the information; however, our procedures did not include carrying out procedures in order to assess the appropriateness of the process implemented by the Company for the identification of material reportable topics in accordance with the guidelines established by GRI;
- b) Selectively review, where appropriate and depending on the results of the inquiries made, the supporting documentation used to collect, calculate and compile the selected information;
- c) Analyze and understand the information systems and methodology used to compile the quantitative data corresponding to the selected information contained in the 2023 Sustainability Report;

3.

- d) obtain an understanding of the entity's control environment and information systems relevant to the preparation of selected sustainability information included in the 2023 Sustainability Report; however, we did not evaluate the design of specific control activities or obtain elements of judgment about their implementation, nor did we test their operating effectiveness;
- e) assess whether the entity's methods for developing the estimates are adequate and have been consistently applied in the preparation of the selected information included in the 2023 Sustainability Report, however, our procedures did not include corroboration of data on which the estimates were based nor did we independently develop our own estimates to evaluate the entity's estimates through comparison;
- f) carry out analytical procedures and test of details, through representative samples, on the information that is the subject of this report and corroborate that the data have been measured, recorded, collected, and reported properly.

We believe that the evidence obtained is sufficient and appropriate to provide a basis for our limited assurance conclusion, exclusively on the selected information corresponding to the period beginning on January 1, 2023 and ended December 31, 2023.

**7. Emphasis of matter**

Without modifying our limited assurance conclusion, we emphasize the information contained in the section "About this Report" included in 2023 Sustainability Report of YPF S.A., which indicates that:

*"In this edition, no significant modifications have been made to the information published in previous reports or to the prioritized material topics, with the exception of the information included in Appendix B, with an estimated recalculation of certain relevant metrics for the previous periods, in order to allow users of this report to obtain additional information for their trend analysis."*

The comparative information for the previous periods has not been modified, as such, that information could not be comparable with the information for the years 2022 and 2023.

**Conclusion**

On the basis of the work described in Section 5 of this report, nothing has come to our attention that causes us to believe that the information identified in Section 1 of this report, has not been prepared, in all material aspects, in accordance with the provisions of the criteria mentioned in Section 2 of this report.

City of Buenos Aires, September 23, 2024

DELOITTE & Co. S.A.

**Orlando Mario Scarpelli (Socio)**  
 Partner

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**YPF**