

GRI Content Index

GRI Standard	Disclosure	Page Number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
General Disclosures						
GRI 102: General Disclosures 2016 (Organizational Profile)	102-1 Name of the organization	Cover, 4, 106, Back Cover	-		-	-
	102-2 Activities, brands, products and services	4-7	Remark: IRPC did not sell any banned or disputed products in 2019.		-	-
	102-3 Location of headquarters	Back Cover	-		-	-
	102-4 Location of operations	4-7	-		-	-
	102-5 Ownership and legal form	Website	http://irpc.listedcompany.com/home.html		-	-
	102-6 Markets served	5	-		-	-
	102-7 Scale of the organization	Annual Report 2019	Remark: Refer to IRPC Annual Report 2019, Financial Highlights, Page 151-157		-	-
	102-8 Information on employees and other workers	93-98	Remark: Majority of IRPC's workforce are employees and supervised workers. No significant variation in employment numbers and changes during the reporting year.		8	-
	102-9 Supply chain	32-37	-		-	2
	102-10 Significant changes to the organization and its supply chain	This Page	Remark: No significant changes (i.e. location, operation, share capital structure, supply chain, etc.) during the reporting year.		-	2
	102-11 Precautionary principle or approach	22-25	-		-	-
	102-12 External initiatives	8, 11, 16-17, 67-72	-		-	-
	102-13 Membership or associations	20	-		-	-
GRI 102: General Disclosures	102-14 Statement from senior decision-maker	3	-	-	-	19
		22-24	-	-	-	19

GRI Standard	Disclosure	Page Number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
GRI 102: General Disclosures 2016 (Ethics and Integrity)	102-16 Values, principles, standards and norms of behavior	1, 50	-		16	12-14
	102-17 Mechanisms for advice and concerns about ethics	14-15	-	-	16	12-14
GRI 102: General Disclosures 2016 (Governance)	102-18 Governance structure	16 and Website	Remark: https://www.irpc.co.th/sustainability-management/sustainability-management-structure/		-	1, 20
	102-19 Delegating authority	16-17	-	-	-	1, 20
	102-20 Executive-level responsibility for economic, environmental, and social topics	16, 106,	-	-	-	1, 20
	102-21 Consulting stakeholders on economic, environmental, and social topics	26, 75-77, and This Page	Remark: Communication with the Shareholders refers to Annual Report 2019, Page 94	-	16	1, 20
	102-22 Composition of the highest governance body and its committees	8 and This Page	Remark: Composition of the Board and Committees refers to Annual Report 2019, Page 65 (Management Structure Section)	-	16	1, 20
	102-23 Chair of the highest governance body	This Page	Remark: Roles of the Chairman refers to Annual Report 2019, Page 69. (Roles and responsibilities of the Chairman Section)	-	-	1, 20
	102-24 Nominating and selecting the highest governance body	This Page	Remark: Nomination and selection process of the Board refers to Annual Report 2019, Page 67. (Committee and Top Management Recruitment and Appointment and Nomination Process Section)	-	16	1, 20
	102-25 Conflicts of interest	Website	Remark: https://www.irpc.co.th/sustainability-management/business-ethics-	-	16	1, 2, 20

			and-transparency/			
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GRI 102: General Disclosures 2016 (Governance)	102-26 Role of highest governance body in setting purpose, values, and strategy	This Page	Remark: Sustainability Management refers to Annual Report 2019, Page 249.	-	-	1, 20
	102-27 Collective knowledge of highest governance body	This Page	Remark: Board Development refers to Annual Report 2019, Page 122.	-	4	1, 20
	102-28 Evaluating the highest governance body's performance	This Page	Remark: Committee Evaluation refers to Annual Report 2019, Page 118.	-	-	1, 20
	102-29 Identifying and managing economic, environmental, and social impacts	This Page	Remark: Risk Management Committee and Risk Management, refer to Annual Report 2019, Page 135.	-	16	1, 20
	102-30 Effectiveness of risk management processes	This Page	Remark: Risk Management Committee and Risk Management refers to Annual Report 2019, Page 135.	-	-	1, 20
GRI 102: General Disclosures 2016 (Governance)	102-31 Review of economic, environmental, and social topics	This Page	Remark: Risk Management Committee and Risk Management refers to Annual Report 2019, Page 135.	-	-	1, 20
	102-32 Highest governance body's role in sustainability reporting	107-108	-	-	-	1, 20
	102-33 Communicating critical concerns	76	-	-	-	1, 20
	102-34 Nature and total number of critical concerns	76	-	-	-	1, 20

	102-35 Remuneration policies	This Page and Website	Remark: Board of Director nomination process refers to Annual Report 2019, Page 67. http://www.irpc.co.th/en/pdf/bord/Nomination-Committee-Charter-Remunerationeng-rev.pdf	-	-	1, 20
GRI 102: General Disclosures 2016 (Stakeholder Engagement)	102-40 List of stakeholder groups	18-19, 75	-		-	-
	102-41 Collective bargaining agreements	77	-		-	21
	102-42 Identifying and selecting stakeholders	This Page and Website	Remark: https://www.irpc.co.th/sustainability-management/stakeholder-engagement/		8	-

GRI Standard	Disclosure	Page Number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
GRI 102: General Disclosures 2016 (Stakeholder Engagement)	102-43 Approach to stakeholder engagement	This Page and Website	Remark: https://www.irpc.co.th/sustainability-management/stakeholder-engagement/		-	21
	102-44 Key topics and concerns raised	13-14, 18, 75-76	-		-	21
GRI 102: General Disclosures 2016 (Reporting Practice)	102-45 Entities included in the consolidated financial statements	107-109	-		-	-
	102-46 Defining report content and topic boundaries	107-109	-		-	-
	102-47 List of material topics	107-109	-		-	-
	102-48 Restatements of information	This Page	Remark: No restatement in 2019		-	-
	102-49 Changes in reporting	This Page	Remark: No significant changes in scope and boundary from previous reporting periods.		-	-
	102-50 Reporting period	106	-		-	-
	102-51 Date of most recent report	This Page	Remark: Most recent previous report is 2018 IRPC Sustainability Report.		-	-
	102-52 Reporting cycle	This Page	Remark: IRPC publishes Corporate Sustainability Report annually.		-	-
	102-53 Contact point for questions regarding the report	Back Cover	-		-	-
	102-54 Claims of reporting in accordance with the GRI Standards	106	-		-	-
	102-55 GRI content index	124-132	-		-	-

	102-56 External assurance	110-111	<p>Remark: IRPC engages KPMG Phoomchai Audit Ltd. to provide limited independent assurance service to IRPC's 2019 Corporate Sustain ability Report. IRPC has process to ensure transparent external assurance.</p>		-	-
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GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
Materials Topics						
Supply Chain Management						
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	31	-	-	-	-
	103-2 The management approach and its components	32-38 and Website	Remark: https://www.irpc.co.th/economic-dimension/supply-chain-management/	-	-	-
	103-3 Evaluation of the management approach	32-38	-	-	-	-
GRI 204: Procurement Practices 2016	204-1: Proportion of spending on local suppliers	35	-	-	12	2
GRI 205: Anti-corruption	205-1 Operations assessed for risks related to corruption	25	-	-	-	-
	205-2: Communication and training about anti-corruption policies and procedures	13-14	-	-	-	-
	205-3 Anti-corruption	This Page	Remark: IRPC did not experience any cases of corruption and bribery in 2019. IRPC is accredited as a member in private sector collective action Coalition Against Corruption (CAC) from Anti-Corruption Organization Thailand, in which IRPC is required to report any cases of corruption.	-	-	-
GRI 206: Anti-competitive Behavior	206-1 Anti-competitive behavior	This Page	Remark: IRPC did not experience any cases of anticompetitive behaviors in 2019. For reporting of anti-competitive practices, IRPC provides 1) Whistleblower system; 2) submission of feedbacks to website and 3) Annual Reputation Survey. From these several channels IRPC did not experience any cases of anticompetitive	-	-	-

			behaviors in 2019 and IRPC is not involved in any ongoing anticompetitive cases.			
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GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
GRI 308: Supplier Environmental Assessment 2016	308-1: New suppliers that were screened using environmental criteria	92	-	-	-	2, 9-11
GRI 414: Supplier Social Assessment 2016	414-1: New suppliers that were screened using social criteria	92	-	-	-	2, 9-11
Logistic & Customer Relationship Management						
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	36	-	-	-	-
	103-2 The management approach and its components	36	-	-	-	-
	103-3 Evaluation of the management approach	36-37	-	-	-	-
GRI 416: Customer Health and Safety	416-2 Incidents of non-compliance concerning the health and safety impacts of products and services	36	-	-	16	-
GRI 417: Marketing and Labelling 2016	417-3 Incidents of non-compliance concerning marketing communications	39	-	-	16	-
GRI 418: Customer Privacy 2016	418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	39	-	-	16	-
GRI 419: Socioeconomic Compliance 2016	419-1 Non-compliance with laws and regulations in the social and economic area	39	-	-	16	-

GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
Innovation and Product Development						
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	42	-	-	-	-
	103-2 The management approach and its components	43-45	-	-	-	-
	103-3 Evaluation of the management approach	43-45	-	-	-	-
IRPC's Own Indicator	Percentage of petrochemical revenue invested in research and development	45	-	-	-	-
	Percentage of sales of specialty products by petrochemical revenue	45	-	-	-	-
Human Resource Management						
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	48	-	-	-	-
	103-2 The management approach and its components	49-54 and Website	Remark: https://www.irpc.co.th/en/social-dimension/human-resources-management/	-	-	-
	103-3 Evaluation of the management approach	54-55	-	-	-	-
GRI 401: Employment 2016	401-1 New employee hires and employee turnover	94-96	-	-	8	6-8
	401-3 Parental leave	97	-	-	8	6-8
GRI 404: Training and Education 2016	404-1 Average hours of training per year per employee	97-98	-	-	4, 8	6-8
	404-2 Programs for upgrading employee skills and transition assistance programs	51-52	-	-	8	6-8
	404-3 Percentage of employees receiving regular performance and career	52	-	-	5, 8	-

	development reviews					
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GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
Occupational Health and Safety						
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	56	-	-	-	-
	103-2 The management approach and its components	56-62 and Website	Remark: https://www.irpc.co.th/social-dimension/occupational-health-and-safety/	-	-	-
	103-3 Evaluation of the management approach	63-64	-	-	-	-
GRI 403: Occupational Health and Safety 2018	403-1 Occupational health and safety management system	56-64 and Website	Remark: https://www.irpc.co.th/social-dimension/occupational-health-and-safety/	-	8	6-8
	403-2 Hazard identification, risk assessment, and incident investigation	56-59	-	-	3, 8	2, 6-8
	403-3 Occupational health services	61	-	-	8	6-8
	403-4 Worker participation, consultation, and communication on occupational health and safety	62	-	-	8	6-8
	403-5 Worker training on occupational health and safety	59 and Website	-	-	8	6-8
	403-6 Promotion of worker health	57-58 and Website	Remark: https://www.irpc.co.th/social-dimension/occupational-health-and-safety/	-	8	6-8
	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	57-59	-	-	8	6-8
	403-9 Work-related injuries	63	-	-	-	6-8
	403-10 Work-related ill health	63	-	-	-	6-8

GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
G4-Oil and Gas Sector Disclosure: Asset Integrity and Process Safety 2012	G4-OG13 Number of process safety events, by business activity	99	-		3, 6, 8, 11	-
Community Well-Being						
GRI 201: Economic Performance 2016	201-1 Direct economic value generated and distributed	Website	Remark: https://www.irpc.co.th/social-dimension/social-responsibility/	-	-	-
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	65	-	-	-	-
	103-2 The management approach and its components	66-72 and Website	Remark: https://www.irpc.co.th/social-dimension/social-responsibility/	-	-	-
	103-3 Evaluation of the management approach	68, 71-72	-	-	-	-
GRI 203: Indirect Economic Impacts 2016	203-1 Infrastructure investments and services supported	70-72	-	-	-	-
	203-2 Significant indirect economic impacts	26	-	-	7, 9, 11	-
G4-Oil and Gas Sector Disclosure: Indirect Economic Impacts 2016	G4-EC7 Development and impact of infrastructure investments and services supported	This Page	Omission: Information is not applicable to IRPC because company does not specifically invest initiatives related to access to energy for local communities.	-	-	-
GRI 413: Local Communities 2016	413-1 Operations with local community engagement, impact assessments, and development programs	67-70	Remark: 100% of operation has local community engagement program and formal grievance process. Environmental and social impact assessment are conducted at all eligible operations in line with local regulatory standards.	-	-	-

GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
G4-Oil and Gas Sector Disclosure: Local Communities 2012	G4-OG10 Number and description of significant disputes with local communities and indigenous peoples	This Page	Omission: Information is not applicable to IRPC's business.	-	-	-
	G4-OG11 Number of sites that have been decommissioned and site that are in the process of being decommissioned	This Page	Remark: There is no site that have been decommissioned and in the process of being decommissioned.	-	-	-
Human Rights						
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	73	-	-	-	-
	103-2 The management approach and its components	73-78 and Website	Remark: https://www.irpc.co.th/social-dimension/human-rights/	-	-	-
	103-3 Evaluation of the management approach	76-77	-	-	-	-
GRI 412: Human Rights Assessment 2016	412-1 Operations that have been subject to human rights reviews or impact assessments	77-78	-	-	-	-
	412-2 Employee training on human rights policies or procedures	34, 75	-	-	-	-
Operational Eco-Efficiency						
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	79	-	-	-	-
	103-2 The management approach and its components	80-90 and Website	Remark: https://www.irpc.co.th/environmental-dimension/operational-eco-efficiency/	-	-	-
	103-3 Evaluation of the management approach	82-84, 88, 90	-	-	-	-

GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
GRI 302: Energy 2016	302-1 Energy consumption within the organization	80-81	-		7, 8, 12, 13	9-11
	302-3 Energy intensity	81	-	-	7, 8, 12, 13	9-11
	302-4 Reduction of energy consumption	80	-	-	7, 8, 12, 13	9-11
G4-Oil and Gas Sector Disclosure: Energy 2012	G4-OG2 Total amount invested in renewable energy	80	-	-	7, 9, 17	-
	G4-OG3 Total amount of renewable energy generated by source	80	-	-	7	-
GRI 305: Emissions 2016	305-6 Emissions of ozone-depleting substances (ODS)	This Page	Omission: Information is not applicable to IRPC because the company is in the process of phasing out the usage of the ozone-depleting substances (ODS).	-	3, 12	9-11
	305-7 Nitrogen oxides (NOx), Sulphur oxides (SOx), and other significant air emissions	102	Remark: Standards, methodologies, source of emission factors and assumptions used are identified relevant regulations.		3, 12	9-11
GRI 306: Effluents and Waste 2016	306-2 Waste by type and disposal method	105	For non-hazardous waste, IRPC sorted and disposed waste to local contractors and municipality in accordance to law. For hazardous waste transportation and disposal, IRPC sourced contractors who hold license as required by law.		3, 6, 12	9-11
	306-3 Significant spills	103	-		3, 6, 12	9-11
	306-4 Transport of hazardous waste	105	-	-	3, 12	9-11

GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
G4-Oil and Gas Sector Disclosure: Effluent and Waste 2012	G4-OG5 Volume and disposal of formation or produced water	This Page	Omission: Information is not applicable to IRPC.	-	3, 6, 8, 12	9-11
	G4-OG6 Volume of flared and vented hydrocarbon	101 and This Page	Remark: IRPC only reports on vents from Acetylene Carbon Black (ACB) plant, Expandable Polystyrene (EPS) plant, and VOC Emission. The information for process vent and safety control vent that are unavailable due to the ongoing data collection process.		3, 7, 8, 12, 13	9-11
	G4-OG7 Amount of drilling waste (drill mud and cuttings) and strategies for treatment and disposal	This Page	Omission: Information is not applicable to IRPC.	-	3, 6, 12	-
GRI 307: Environmental Compliance	307-1 Non-compliance with environmental laws and regulations	83	-	-	3, 6, 7, 8, 12, 13	9-11
Climate Change and Water Related-Risks						
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	86, 89	-	-	-	-
	103-2 The management approach and its components	86, 89 and Website	Remark: https://www.irpc.co.th/en/environmental-dimension/climate-strategy-and-water-management/	-	-	-
	103-3 Evaluation of the management approach	87-88	-	-	-	-
GRI 303: Water and Effluents 2018	303-1 Interactions with water as a shared resource	89	-	-	6	9-11
	303-2 Management of water discharge-related impacts	83	-	-	6	9-11
	303-3 Water withdrawal	103	-		6	9-11
	303-4 Water discharge	103	-		6	9-11
	303-5 Water	103	-		6	9-11

	consumption					
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GRI Standard	Disclosure	Page number (s) and/or URL (s)	Omissions / Remark	External Assurance	SDGs	UNGC
GRI 305: Emissions 2016	305-1 Direct (Scope 1) GHG emissions	101	-		3, 12, 13	9-11
	305-2 Energy indirect (Scope 2) GHG emissions	101	-		3, 12, 13	9-11
	305-3 Other indirect (Scope 3) GHG emissions	101	-	-	3, 12, 13	2, 9-11
	305-4 GHG emissions intensity	88, 102	-	-	13	9-11
	305-5 Reduction of GHG emissions	101	Remark: CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, and SF ₆ . NF ₃ are GHGs gas that are not related to IRPC's business. The calculation is based on 2012 base year. Identified GHG reduction is under IRPC's control; as a result, it is considered as GHG emission reduction in Scope 1.	-	13	9-11
Economic Performance						
GRI 201: Economic Performance 2016	201-4 Financial assistance received from government	92	-	-	-	-
Sustainability Performance						
GRI 415: Public Policy	415-1 Political contribution	This Page	Remark: IRPC did not contribute to any political activities/campaigns in 2019. However, IRPC has joined trade association, business association and industry association, which shape policies and directions in oil and gas, and refinery sectors.	-	-	-