

GPSC Sustainability Performance Data

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	
Economic									
201-1	3.3.3	Total Revenue	Million THB	25,530.49	71,908.34	78,148.08	127,908.26		
	3.3.3	Operating expense	Million THB	21,303.41	58,399.55	66,698.69	122,633.91		
	3.3.3	Employee wages and benefits	Million THB	648.63	1,691.07	2,324.47	2,219.44		
	Corporate governance								
N/A	1.2.2	Board Structure - Board Type							
		i. Executive directors	Person	1	1	1	1		
		ii. Independent directors	Person	5	7	7	6		
		iii. Other non-executive directors	Person	7	7	7	6		
	1.2.3	Non-executive Chairman/Lead Director							
		Numbers of year that chairman is required to be non-executive and independent.	Year	1	2	3	4		
	1.2.5	Number of female director							
		Number of female director	Person	2	2	2	2		
	1.2.6	Board Effectiveness							
		Average board meeting attendance	% of meetings of board of directors/supervisory board.	93	99	99.64	96.59		
		Minimum of attendance for all members required	%	75	99	99	75		
		Number of non-executive/ independent directors with 4 or less other mandates	Person	12	14	14	12		
		Number of other mandates for non-executive/independent directors restricted to	Number	4	4	4	4		
	1.2.7	Average Tenure							
		Average tenure of board members in years	Year	N/A	2.29	2.29	2.48		
	1.2.8	Board Industry Experience							
		Number of independent or non-executive members with industry experience (e.g., excludes executives)	Person	12	9	12	8		
	1.2.10	Executive Compensation - Alignment with Long-Term Performance							
		Percentage of the short-term bonus deferred in the form of shares or stock options for CEO short-term compensation	%	0	0	0	0		
		The longest performance period covered by your executive compensation plan	Year	4	4	4	4		
		Time Vesting for Variable CEO Compensation	Year	1	1	1	1		
	1.2.11	Management Ownership							
		Multiple of base salary to company shares held by CEO	Times	N/A	0	0	0		
		Multiple of base salary to company shares held by executive (average)	Times	2	0.97	0.28	0.25		
	1.2.12	Management Ownership Requirements							
		Specific stock ownership requirements for the CEO and other members of your executive committee	Times the annual base salary	N/A	N/A	N/A	N/A		
	1.2.13	Government Ownership							
		Total percentage of government ownership <sup>1</sup>	%	28.26	28.19	33.61	35.84		
	1.2.14	Family Ownership							
		Total % of voting rights of the company for (founding) family members <sup>(1)</sup>	%	N/A	N/A	N/A	N/A		
	1.2.15	Disclosure of Median or Mean Compensation of all Employees & CEO Compensation							
		Total CEO compensation	THB	N/A	11,153,154.00	11,341,387.80	14,165,688.40		
		Median of annual compensation of all employees, except CEO	THB	1,450,000	1,252,783.99	1,100,768.10	1,093,698.02		
		Mean of annual compensation of all employees, except CEO	THB	1,800,000	1,747,877.21	1,499,926.57	1,354,933.53		
		The ratio between the total annual compensation of the Chief Executive Officer and the mean employee compensation	-	N/A	6.38	7.56	10.45		
		The ratio between the total annual compensation of the Chief Executive Officer and the median employee compensation	-	N/A	8.90	10.30	12.95		
	N/A	N/A	Corporate Governance, Risk Management and Compliance (GRC) KPI						
			"Excellent" Level for the Corporate Governance Report (CGR) of Thai Listed Companies	%	96	96	96	96	97
			Training on Business Ethics	Times	4	7	9	9	At least four times a year
			Functional Risk Management (monitoring and revision of all functional risks)	%	100	100	100	100	100
Risk and Crisis Management									
N/A	1.4.1	Risk Governance							
		Number of non-executive members of board of directors/supervisory board with expertise in (enterprise) risk management	Person	9	12	11	11		
Code of Conduct									
N/A	N/A	% coverage of code of conduct							
		i. Employee	%	100	100	100	100		
		ii. Contractors / Suppliers / Service Providers	%	100	100	100	100		
		iii. Subsidiaries	%	100	100	100	100		
		iv. Joint ventures (including stakes above 10%)	%	100	100	100	100		
		% written/digital acknowledgement of code of conduct							
		i. Employee	%	100	100	100	100		
		ii. Contractors / Suppliers / Service Providers	%	100	100	100	100		

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		iii. Subsidiaries	%	100	100	100	100	
		iv. Joint ventures (including stakes above 10%)	%	100	100	100	100	
		% training provided of code of conduct						
		i. Employee	%	100	100	100	100	
		ii. Contractors / Suppliers / Service Providers	%	100	100	100	100	
		iii. Subsidiaries	%	100	100	100	100	
		iv. Joint ventures (including stakes above 10%)	%	100	100	100	100	
205-3	N/A	<b>Corruption &amp; Bribery Cases</b>						
		Total number of substantiated corruption & bribery cases (Public legal cases regarding corruption brought against the organization or its employees)	Cases	0	0	0	0	
		The number of currently pending investigations	Cases	N/A	0	0	0	
		<b>legal proceedings and substantiated cases</b>						
		i. legal proceedings and substantiated cases related corruption and bribery	Cases	0	0	0	0	
		ii. legal proceedings and substantiated cases related anti-competitive practice	Cases	0	0	0	0	
205-3	1.5.5	<b>breaches of the Codes of Conduct</b>						
		Corruption or Bribery	Cases	0	0	0	0	
		Discrimination or Harassment	Cases	0	0	0	0	
		Customer Privacy Data	Cases	N/A	N/A	N/A	0	
		Conflicts of Interest	Cases	N/A	N/A	N/A	0	
		Money Laundering or Insider trading	Cases	N/A	N/A	N/A	0	
N/A	N/A	<b>Legal actions for anti-competitive behavior, anti-trust, and monopoly practices</b>						
		Amount of fines and settlements (excluding legal fees) incurred in the last four fiscal years related to anti-trust/anti-competitive practices <sup>(2)</sup>	THB, % of revenues	0	0	0	0	
		The number of currently pending investigations	Cases	0	0	0	0	
<b>Grievance</b>								
N/A	N/A	<b>Complaints Received Through Whistleblower System</b>						
		i. Breach of Code of Conduct (included: Corruption, Bribery, Fraud, Conflict of interest and Anti-competitive practice)	Reported case	4	1	0	0	
			Complete investigation	4	1	0	0	
			Substantiated Case	0	0	0	0	
		ii. Non-compliance with regulation	Reported case	0	1	0	0	
			Complete investigation	0	1	0	0	
			Substantiated Case	0	0	0	0	
		iii. Discrimination and harassment						
		- Non sexual discrimination and harassment	Reported case	N/A	0	0	0	
			Complete investigation	N/A	0	0	0	
			Substantiated Case	N/A	0	0	0	
		- Sexual discrimination and harassment	Reported case	N/A	0	0	0	
			Complete investigation	N/A	0	0	0	
			Substantiated Case	N/A	0	0	0	
		iv. Privacy breach	Reported case	0	0	0	0	
			Complete investigation	0	0	0	0	
			Substantiated Case	0	0	0	0	
		v. Others	Reported case	0	0	2	2	
			Complete investigation	0	0	2	2	
			Substantiated Case	0	0	0	0	
		<b>Total number of breaches against codes of conduct/ethics breakdown consequences of breaches</b>						
		i. Verbal warning	Cases	N/A	0	1	1	
		ii. Written warning	Cases	2	1	0	0	
		iv. Contract termination	Cases	2	0	0	0	
		v. Others	Cases	0	0	0	0	
		<b>Total number of cases pending for investigation</b>	Cases	0	0	0	0	
103-2	N/A	<b>The management approach and its components</b>						
		Number of grievances about environmental impacts through formal grievance process	Cases	0	0	0	0	
		Number of grievances about human rights through formal grievance process	Cases	0	0	0	0	

GPSC Sustainability Performance Data

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		Number of grievances about <b>labor practices</b> through formal grievance process	Cases	0	0	0	0	
		Number of grievances about <b>impacts on society</b> through formal grievance process	Cases	0	0	0	0	
<b>Supply chain</b>								
N/A	1.7.5	<b>KPIs for Supplier Screening</b>						
		i. Total number of Tier-1 suppliers	Numbers	998	1,375	1,580	1,440	
		ii. Total number of significant suppliers in Tier-1	Numbers	N/A	N/A	N/A	63	
		iii. % of total spend on significant suppliers in Tier-1	%	N/A	N/A	N/A	89	
		vi. Total number of significant suppliers in non Tier-1	Numbers	N/A	1	1	1	
		v. Total number of significant suppliers (Tier-1 and non Tier-1)	Numbers	N/A	N/A	N/A	64	
N/A	1.7.6	<b>KPIs for Supplier Assessment and Development</b>						
		<b>Coverage and progress of our supplier assessment program</b>						
		i. Total number of suppliers assessed via desk assessments/on-site assessments <sup>2</sup>	Numbers	N/A	N/A	N/A	64	100.00%
		ii. % of significant suppliers assessed	%	N/A	N/A	N/A	100	
		iii. Number of suppliers assessed with substantial actual/potential negative impacts	Numbers	N/A	N/A	N/A	5	
		vi. % of suppliers with substantial actual/potential negative impacts with agreed corrective action/improvement plan	%	N/A	N/A	N/A	100	
		v. Number of suppliers with substantial actual/potential negative impacts that were terminated	Numbers	N/A	N/A	N/A	0	
		<b>Coverage and progress of suppliers with corrective action plans</b>						
		i. Total number of suppliers supported in corrective action plan implementation <sup>2</sup>	Numbers	N/A	N/A	N/A	5	5
		ii. % of suppliers assessed with substantial actual/potential negative impacts supported in corrective action plan implementation	%	N/A	N/A	N/A	100	
		<b>Coverage and progress of suppliers in capacity building programs</b>						
		i. Total number of suppliers in capacity building programs <sup>2</sup>	Numbers	N/A	N/A	N/A	64	100.00%
		ii. % of significant suppliers in capacity building programs	%	N/A	N/A	N/A	100	
<b>Information Security/Cybersecurity</b>								
N/A	1.8.3	<b>Process and Infrastructure</b>						
		Certification of IT infrastructure	%	100	100	100	100	
		<b>Breaches</b>						
		i. Total number of information security breaches	Cases	0	0	0	0	
		ii. Total number of clients, customers and employees affected by the breaches	Numbers	0	0	0	0	
N/A	N/A	<b>Information Security/ Cybersecurity Breaches</b>						
		Total number of information security breaches or other cybersecurity incidents	Cases	0	0	0	0	
		Total number of data breaches	Cases	0	0	0	0	
		Total number of customers and employees affected by company's data breach	Cases	0	0	0	0	
		Total amount of fines/ penalties paid in relation to information security breaches or other cybersecurity incident.	Cases	0	0	0	0	
		Maximum insurance coverage for information security breaches or other cybersecurity incidents	%	N/A	N/A	N/A	N/A	
N/A	N/A	<b>IT Infrastructure Incidents</b>						
		IT infrastructure incident	Cases	0	0	0	0	
		Financial impact from IT infrastructure incident	THB	0	0	0	0	
<b>Innovation</b>								
N/A	1.9.1	<b>R&amp;D spending</b>						
		Total R&D spending	Million USD	3.60	21.06	28.61	54.52	
		Number of R&D positions	FTEs	14	17	19	25	
		R&D spending as % of sales	% of sales	0.502	0.93	1.29	1.54	
<b>Market Opportunities</b>								
N/A	1.10.2	<b>Current Investment Budget (Electricity &amp; Multi-Utilities)</b>						
		<b>Percentage of the electricity and gas business budget</b>						
		i. Renewable energy	% of electricity and gas investment budget	0.015	24.34	76.15	63.41	
			Projected (in %) in short term in 2025	68.18	34.58	57.76	36.37	
		ii. Distributed energy (not including transmission or distribution lines)	% of electricity and gas investment budget	0.015	0.04	3.70	1.98	
			Projected (in %) in short term in 2025	68.18	3.05	13.28	9.34	

## GPSC Sustainability Performance Data

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022
		iii. Demand-side efficiency	% of electricity and gas investment budget	0.034	4.22	2.22	7.84	
			Projected (in %) in short term in 2025	10.65	3.88	5.11	6.28	
N/A	1.10.3	<b>Revenues from New Business Opportunities</b>						
		Revenues from energy / gas / water-related products and services excluding retail and wholesale of electricity, gas and water	Million THB	67,480	70,983	78,148	126,416	
		Percentage of revenues from energy / gas / water-related products and services excluding retail and wholesale of electricity, gas and water compared to total revenues from electricity and gas business in 2020	%	N/A	4.50	6.22	3.44	
	1.10.4	<b>Smart Meter Penetration</b>						
		Percentage of smart meters used in distribution grid	%	N/A	N/A	N/A	75.28	

**Remarks:**

<sup>1</sup> GPSC does not have (founding) family member, personally or through other companies or organizations

<sup>2</sup> For suppliers which were identified as significant in the supplier screening process.

## GPSC Sustainability Performance Data

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
<b>Social reporting</b>										
N/A	N/A	<b>Social Reporting - Coverage</b>								
		Coverage of publicly available social reporting	% of revenues	N/A	>75%	>75%	>75%			
102-8 405-1	3.1.2	<b>Diversity</b>								
		<b>Data coverage</b>	% FTEs	100	100	100	100			
		Total Workforce (FTEs)	Person	364	1,076	1,108	1,128			
		Female shared in total workforce	Person	123	321	332	332			
			% of total workforce	33.79	29.83	29.96	29.43	25		25
		<b>By employee level</b>								
		i. All management position (including junior, middle and top management)	Person (female)	31	90	89	96			
			Person (male)	75	210	216	227			
			total numbers of all management positions	106	300	305	323			
			Female % of total management position	29.25	30.00	29.18	29.72	25		25
		ii. Top management position (EVP/16+) (i.e. maximum two levels away from the CEO or comparable positions)	Person (female)	2	4	2	2			
			Person (male)	3	5	7	6			
			total numbers of top management positions (men and women combine)	5	9	9	8			
			Female % of total numbers of top management positions	40.00	44.44	22.22	25.00	25		25
		iii. Senior management position (SVP/14-15)	Person (female)	5	7	9	10			
			Person (male)	9	14	17	15			
			total numbers of Senior management positions (men and women combine)	14	21	26	25			
			Female % of total numbers of Senior management positions	35.71	33.33	34.62	40.00	25		25
		iv. Middle management position (VP-DM/11-13)	Person (female)	18	35	35	38			
			Person (male)	35	73	73	86			
			total numbers of Middle management positions (men and women combine)	53	108	108	124			
			Female % of total numbers of Middle management positions	33.96	32.41	32.41	30.65	25		25
		v. Junior management position (Section Manager/9-10) (i.e. first level of management)	Person (female)	6	44	43	46			
			Person (male)	28	118	119	120			

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
		vi. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	total numbers of all junior management positions	34	162	162	166			
			Female % of total junior management positions	17.65	27.16	26.54	27.71	25		25
			Person (female)	7	20	20	19			
			Person (male)	17	27	29	31			
			total numbers of all Revenue-generating functions	24	47	49	50			
			Female % of total revenue-generating functions	29.17	42.55	40.82	38.00	25		25
		vii. STEM-related position	Person (female)	12	48	48	120			
			Person (male)	166	593	626	716			
			total numbers of all STEM position	178	641	674	836			
			Female % of total STEM positions	6.74	7.49	7.12	14.35	5		5
		By employee age (age group)								
		i. <30 years	% of FTEs	15.93	13.94	12.09	11.52			
			Coverage	> 75%	> 75%	> 75%	> 75%			
			Person (Male)	39	103	93	93			
			Person (Female)	19	47	41	37			
			% female against worker category	32.76	31.33	30.60	28.46			
		ii. 30 - 50 years	% of FTEs	78.02	75.56	76.99	74.82			
			Coverage	> 75%	> 75%	> 75%	> 75%			
			Person (Male)	186	572	595	589			
			Person (Female)	98	241	258	255			
			% female against worker category	34.51	29.64	30.25	30.21			
		iii. >50 years	% of FTEs	6.04	10.50	10.92	13.65			
			Coverage	> 75%	> 75%	> 75%	> 75%			
			Person (Male)	16	80	88	114			
			Person (Female)	6	33	33	40			
			% female against worker category	27.27	29.20	27.27	25.97			
		By Race (เชื้อชาติ)								
		Data coverage								
		i. Thai - Thai	%FTEs	>75%	>75%	N/A	N/A			
			Share in all management positions, including junior, middle and senior management (as % of total management workforce)	N/A	N/A	N/A	N/A			

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
			Share in total workforce (as % of total workforce)	N/A	N/A	N/A	N/A			
			Person (Male)	N/A	N/A	N/A	N/A			
			Person (Female)	N/A	N/A	N/A	N/A			
			Total	N/A	N/A	N/A	N/A			
		ii. Thai - Laos	Share in all management positions, including junior, middle and senior management (as % of total management workforce)	N/A	N/A	N/A	N/A			
			Share in total workforce (as % of total workforce)	N/A	N/A	N/A	N/A			
			Person (Male)	N/A	N/A	N/A	N/A			
			Person (Female)	N/A	N/A	N/A	N/A			
			Total	N/A	N/A	N/A	N/A			
		iii. Thai - Chinese	Share in all management positions, including junior, middle and senior management (as % of total management workforce)	N/A	N/A	N/A	N/A			
			Share in total workforce (as % of total workforce)	N/A	N/A	N/A	N/A			
			Person (Male)	N/A	N/A	N/A	N/A			
			Person (Female)	N/A	N/A	N/A	N/A			
			Total	N/A	N/A	N/A	N/A			
		vi. Others	Share in all management positions, including junior, middle and senior management (as % of total management workforce)	N/A	N/A	N/A	N/A			
			Share in total workforce (as % of total workforce)	N/A	N/A	N/A	N/A			
			Person (Male)	N/A	N/A	N/A	N/A			

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
			Person (Female)	N/A	N/A	N/A	N/A			
			Total	N/A	N/A	N/A	N/A			
		By Nationality								
		i. Thai	Share in total workforce (as % of total workforce)	100.00	99.63	99.73	99.82			
			Share in all manageme nt positions, including junior, middle and senior manageme nt (as % of total manageme nt workforce)	100.00	98.67	99.02	99.38			
			Person (Male)	75	206	213	225			
			Person (Female)	31	90	89	96			
			Total	106	296	302	321			
			% female against worker category	29.25	30.41	29.47	29.91			
		ii. Turkish	Share in total workforce (as % of total workforce)	N/A	0.09	0	0			
			Share in all manageme nt positions, including junior, middle and senior manageme nt (as % of total manageme nt workforce)	N/A	0.33	0	0			
			Person (Male)	N/A	1	0	0			
			Person (Female)	N/A	0	0	0			
			Total	N/A	1	0	0			
			% female against worker category	N/A	0	0	0			
		iii. Dutch	Share in total workforce (as % of total workforce)	N/A	0.09	0.09	0.09			
			Share in all manageme nt positions, including junior, middle and senior manageme nt (as % of total manageme nt workforce)	N/A	0.33	0.33	0.31			
			Person (Male)	N/A	1	1	1			



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			Person (Female)	N/A	0	0	0					
			Total	N/A	1	1	1					
			% female against worker category	N/A	0	0	0					
		iv. Americans	Share in total workforce (as % of total workforce)	N/A	0.09	0.09	-					
			Share in all management positions, including junior, middle and senior management (as % of total management workforce)	N/A	0.33	0.33	-					
			Person (Male)	N/A	1	1	0					
			Person (Female)	N/A	0	0	0					
			Total	N/A	1	1	0					
			% female against worker category	N/A	0	0	0					
			v. French	Share in total workforce (as % of total workforce)	N/A	0.09	0.09	0.09				
		Share in all management positions, including junior, middle and senior management (as % of total management workforce)		N/A	0.33	0.33	0.31					
		Person (Male)		N/A	1	1	1					
		Person (Female)		N/A	0	0	0					
		Total		N/A	1	1	1					
		% female against worker category		N/A	0	0	0					
		N/A		Other Minorities								
			ii. LGBTQI+	% of FTEs	N/A	N/A	N/A	N/A				
				Coverage	>75%	>75%	N/A	N/A				
	Person			N/A	N/A	N/A	N/A					
	iii. Other: religious minority											
	a. Buddhism		% of FTEs	N/A	98.14	98.01	94.33					
			Coverage	>75%	>75%	>75%	>75%					
			Person	N/A	1,056	1,086	1,064					
	b. Christianity		% of FTEs	N/A	1.49	1.53	1.51					
			Coverage	>75%	>75%	>75%	>75%					
		Person	N/A	16	17	17						
	c. Islam	% of FTEs	N/A	0.372	0.451	0.355						
Coverage		>75%	>75%	>75%	>75%							
Person		N/A	4	5	4							
d. Hinduism	% of FTEs	N/A	0	0	0							
	Coverage	>75%	>75%	>75%	>75%							
	Person	N/A	0	0	0							
N/A	By Disability											

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
		i. Vision Impairment	Person (Male)	N/A	0	0	0			
			Person (Female)	N/A	0	0	0			
			% of FTEs	N/A	0	0	0			
		ii. Deaf or hard of hearing	Person (Male)	N/A	0	0	0			
			Person (Female)	N/A	0	0	0			
			% of FTEs	N/A	0	0	0			
		iii. Physical disability	Person (Male)	N/A	1	1	1			
			Person (Female)	N/A	0	0	0			
			% of FTEs	N/A	0.09	0.09	0.09			
		iv. Others (e.g. mental health conditions, intellectual disability)	Person (Male)	N/A	0	0	0			
			Person (Female)	N/A	0	0	0			
			% of FTEs	N/A	0	0	0			
	Hiring									
N/A	3.4.1									
		Total number of new employee hires	Person	47	54	87	99			
		By employee age								
		i. <30 years	Person	31	28	19	40			
		ii. 30 - 50 years	Person	16	26	68	39			
		iii. >50 years	Person	0	0	0	1			
		By Gender								
		i. Male	Person	27	29	51	45			
		ii. Female	Person	20	25	36	35			
		By employee level								
		i. Top management position (EVP/16+)	Person	0	0	0	N/A			
		ii. Senior management position (SVP/14-15)	Person	2	5	0	N/A			
		iii. Middle management position (VP-DM/11-13)	Person	1	12	4	5			
		iv. Junior management position (Section Manager/9-10)	Person	1	37	83	15			
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	Person	1	0	0	6			
		By Nationality								
		i. Thai	Person	47	54	87	99			
		ii. Turisk	Person	0	0	0	0			
		iii. Dutch	Person	0	0	0	0			
		iv. Americans	Person	0	0	0	0			
		v. French	Person	0	0	0	0			
		vi. Other	Person	0	0	0	1			
		By Disability								
		i. Vision Impairment	Person	N/A	0	0	0			
		ii. Deaf or hard of hearing	Person	N/A	0	0	0			
		iii. Physical disability	Person	N/A	0	0	0			
		iv. Others (e.g. mental health conditions, intellectual disability)	Person	N/A	0	0	0			
		Percentage of open positions filled by internal candidates	%	18	23	12	31			
		By employee age								
		i. <30 years	Person	N/A	0	3	16			
		ii. 30 - 50 years	Person	N/A	16	9	11			
		iii. >50 years	Person	N/A	0	0	4			
		By Gender								
		i. Male	Person	N/A	11	7	25			
		ii. Female	Person	N/A	5	5	6			
		By employee level								
		i. Top management position (EVP/16+)	Person	N/A	0	0	1			
		ii. Senior management position (SVP/14-15)	Person	N/A	1	1	4			
		iii. Middle management position (VP-DM/11-13)	Person	N/A	6	0	3			
		iv. Junior management position (Section Manager/9-10)	Person	N/A	5	11	3			
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	Person	N/A	6	0	3			
		By Nationality								
		i. Thai	Person	N/A	16	12	31			
		ii. Turisk	Person	N/A	0	0	0			
		iii. Dutch	Person	N/A	0	0	0			
		iv. Americans	Person	N/A	0	0	0			
		v. French	Person	N/A	0	0	0			
		vi. Other	Person	N/A	0	0	0			
		By Disability								
		i. Vision Impairment	Person	N/A	0	0	0			
ii. Deaf or hard of hearing	Person	N/A	0	0	0					
iii. Physical disability	Person	N/A	0	0	0					

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
		iv. Others (e.g. mental health conditions, intellectual disability)	Person	N/A	0	0	0			
		Average hiring cost/FTE	THB	29,364	41,311.22	59,226.00	94,500.00			
		Employee Receiving Regular Performance and Career Development Reviews	Person	350	1068	1,068.00	1,128			
			%	100	100	100	100			
Employee Turnover										
401-1	3.4.5	Employee Turnover Rate								
		Data coverage	% of FTEs	100	100	100	100			
		Total employee turnover rate	Person	19	32	35	65			
			% of total employee	5.11	3.08	3.16	5.76	Less than the average rate of those in the same industry		
By employee age										
		i. <30 years	Person	5	6	5	18			
			% of total employee	1.37	0.56	0.45	1.60			
		ii. 30 - 50 years	Person	14	23	24	36			
			% of total employee	3.85	2.14	2.17	3.19			
		iii. >50 years	Person	0	3	6	1			
			% of total employee	0.00	0.28	0.54	0.09			
By gender										
		i. Male	Person	7	23	14	28			
			% of total employee	1.92	2.14	1.26	2.48			
		ii. Female	Person	12	9	21	37			
			% of total employee	3.30	0.84	1.90	3.28			
By employee level										
		i. Top management position (EVP/16+)	Person	N/A	0	1	0			
			% of total employee	N/A	0.00	0.09	0.00			
		ii. Senior management position (SVP/14-15)	Person	N/A	1	0	1			
			% of total employee	N/A	0.09	0.00	0.09			
		iii. Middle management position (VP-DM/11-13)	Person	N/A	9	5	9			
			% of total employee	N/A	0.84	0.45	0.80			
		iv. Junior management position (Section Manager/9-10)	Person	N/A	6	10	18			
			% of total employee	N/A	0.56	0.90	1.60			
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	Person	N/A	16	5	2			
			% of total employee	N/A	1.49	0.45	0.18			
By Nationality										
		i. Thai	Person	N/A	31	34	65			
			% of total employee	N/A	2.88	3.07	5.76			
		ii. Turkish	Person	N/A	0	1	0			
			% of total employee	N/A	0	0.09	0.00			
		iii. Dutch	Person	N/A	0	0	0			
			% of total employee	N/A	0	0	0			
		iv. Americans	Person	N/A	0	0	0			
			% of total employee	N/A	0	0	0			
		v. French	Person	N/A	0	0	0			
			% of total employee	N/A	0	0	0			
		v. Other -UK	Person	N/A	1	0	0			
			% of total employee	N/A	0.09	0	0			
By Disability										
		i. Vision Impairment	Person	N/A	0	0	0			
			% of total employee	N/A	0	0	0			
		ii. Deaf or hard of hearing	Person	N/A	0	0	0			
			% of total employee	N/A	0	0	0			
		iii. Physical disability	Person	N/A	0	1	0			
			% of total employee	N/A	0	0.09	0			
		iv. Others (e.g. mental health conditions, intellectual disability)	Person	N/A	0	0	0			
			% of total employee	N/A	0	0	0			
		Voluntary employee turnover rate	Person	19	32	35	65			

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026		
			% of total employee	5.11	3.08	3.16	5.75					
		By employee age										
		i. <30 years	Person	5	6	5	28					
			% of total employee	1.37	0.56	0.45	2.48					
		ii. 30 - 50 years	Person	14	23	24	36					
			% of total employee	3.85	2.14	2.17	3.19					
		iii. >50 years	Person	0	3	6	1					
			% of total employee	0.00	0.28	0.54	0.09					
		By Gender										
		i. Male	Person	7	23	14	28					
			% of total employee	1.92	2.14	1.26	2.48					
		ii. Female	Person	12	9	21	37					
			% of total employee	3.30	0.84	1.90	3.28					
		By employee level										
		i. Top management position (EVP/16+)	Person	N/A	0	1	0					
			% of total employee	N/A	0	0.09	0					
		ii. Senior management position (SVP/14-15)	Person	N/A	1	0	1					
			% of total employee	N/A	0.09	0	0.09					
		iii. Middle management position (VP-DM/11-13)	Person	N/A	9	5	9					
			% of total employee	N/A	0.84	0.45	0.80					
		iv. Junior management position (Section Manager/9-10)	Person	N/A	6	10	18					
			% of total employee	N/A	0.56	0.90	1.60					
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	Person	N/A	16	5	37					
			% of total employee	N/A	1.49	0.45	3.28					
		By Nationality										
		i. Thai	Person	N/A	31	34	65					
			% of total employee	N/A	2.88	3.07	5.76					
		ii. Turkish	Person	N/A	0	1	0					
			% of total employee	N/A	0	0.09	0					
		iii. Dutch	Person	N/A	0	0	0					
			% of total employee	N/A	0	0	0					
		iv. Americans	Person	N/A	0	0	0					
			% of total employee	N/A	0	0	0					
		v. French	Person	N/A	0	0	0					
			% of total employee	N/A	0	0	0					
		v. Other (UK)	Person	N/A	1	0	0					
			% of total employee	N/A	0.09	0	0					
		By Disability										
		i. Vision Impairment	Person	N/A	0	0	0					
			% of total employee	N/A	0	0	0					
		ii. Deaf or hard of hearing	Person	N/A	0	0	0					
			% of total employee	N/A	0	0	0					
		iii. Physical disability	Person	N/A	0	1	0					
			% of total employee	N/A	0	0.09	0					
		iv. Others (e.g. mental health conditions, intellectual disability)	Person	N/A	0	0	0					
			% of total employee	N/A	0	0	0					
		Training and Development										
		404-1, 404-3	3.3.1	Training and Development Inputs								
				Data Coverage	% of FTE	100	100	100	100			
				Average hours of training per FTE	Hours	47.29	25.58	27.94	28.07			
Type of Training: Mandatory training (e.g. Cultural diversity training, IT training, OHS training, Compliance training, Code of conduct training and etc.)	Hours			5,876.00	10,838.00	5,454.67	15,555.00					
By employee age												
i. <30 years	Hours/pers on-year			23.59	14.09	10.38	22.55					
ii. 30 - 50 years	Hours/pers on-year			16.04	9.60	4.95	16.00					
iii. >50 years	Hours/pers on-year			9.14	8.16	3.66	11.23					
By Gender												

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
		i. Male	Hours/pers on-year	20.14	12.16	5.62	17.44			
		ii. Female	Hours/pers on-year	10.65	5.17	3.30	5.77			
		<b>By employee level</b>								
		i. Top management position (EVP/16+)	Hours/pers on-year	0	4.00	0	0			
		ii. Senior management position (SVP/14-15)	Hours/pers on-year	5.35	1.62	0	0			
		iii. Middle management position (VP-DM/11-13)	Hours/pers on-year	11.06	12.89	2.66	10.84			
		iv. Junior management position (Section Manager/9-10)	Hours/pers on-year	34.91	9.38	5.73	16.84			
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	Hours/pers on-year	16.23	10.12	5.82	19.21			
		<b>By Nationality</b>								
		i. Thai	Hours/pers on-year	47	25.67	28.02	14.09			
		ii. Turkish	Hours/pers on-year	0	0	0	0			
		iii. Dutch	Hours/pers on-year	0	0	0	0			
		iv. Americans	Hours/pers on-year	0	6	0	0			
		v. French	Hours/pers on-year	0	6	0	0			
		vi. Other	Hours/pers on-year	0	0	0	0			
		<b>By location</b>								
		i. Rayong	Hours/pers on-year	7.37	13.02	12.68	17.98			
		ii. Chonburi	Hours/pers on-year	15.91	7.13	7.48	27.80			
		iii. Bangkok	Hours/pers on-year	24.65	3.79	3.60	2.21			
		Type of Training: Non-mandatory training (e.g. on-the-job training, coaching, mentorship, leadership training and etc.)	Hours	10,437.37	16,688.00	25,505.70	15,242.95			
		<b>By employee age</b>								
		i. <30 years	Hours/pers on-year	64.00	16.71	18.71	16.91			
		ii. 30 - 50 years	Hours/pers on-year	22.25	15.44	14.46	19.45			
		iii. >50 years	Hours/pers on-year	46.43	14.41	15.23	18.91			
		<b>By Gender</b>								
		i. Male	Hours/pers on-year	31.95	17.51	28.58	17.09			
		ii. Female	Hours/pers on-year	26.77	10.81	26.46	5.90			
		<b>By employee level</b>								
		i. Top management position (EVP/16+)	Hours/pers on-year	24.00	15.44	0	0			
		ii. Senior management position (SVP/14-15)	Hours/pers on-year	102.70	63.38	0	0			
		iii. Middle management position (VP-DM/11-13)	Hours/pers on-year	49.98	7.42	20.62	29.86			
		iv. Junior management position (Section Manager/9-10)	Hours/pers on-year	65.93	19.49	33.15	29.21			
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	Hours/pers on-year	59.66	14.75	28.87	18.35			
		<b>By Nationality</b>								
		i. Thai	Hours/pers on-year	47.29	15.57	23.02	13.88			
		ii. Turkish	Hours/pers on-year	0	0	0	0			
		iii. Dutch	Hours/pers on-year	0	23.00	0	0			
		iv. Americans	Hours/pers on-year	0	6.00	0	0			
		v. French	Hours/pers on-year	0	6.00	0	0			
		vi. Other	Hours/pers on-year	0	0	0	0			
		<b>By location</b>								
		i. Rayong	Hours/pers on-year	48.81	17.17	29.71	16.33			
		ii. Chonburi	Hours/pers on-year	11.41	11.11	28.97	21.54			
		iii. Bangkok	Hours/pers on-year	18.89	12.55	23.70	6.51			

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
		Average amount spent per FTE on training	THB/person -year	38,560.93	13,880.02	16,764.01	15,242.95			
		Mandatory training	THB/person -year	19,474.68	5,525.44	943.58	5,712.75			
		<b>By employee age</b>								
		i. <30 years	THB/person -year	26,831.35	7,760.36	8,686.97	4,934.31			
		ii. 30 - 50 years	THB/person -year	18,398.41	5,174.27	4,931.63	2,994.89			
		iii. >50 years	THB/person -year	9,984.29	5,002.60	4,671.85	1,912.17			
		<b>By Gender</b>								
		i. Male	THB/person -year	23,618.02	6,573.22	1,123.93	3,555.01			
		ii. Female	THB/person -year	10,968.00	3,031.92	522.05	818.07			
		<b>By employee level</b>								
		i. Top management position (EVP/16+)	THB/person -year	-	-	-	-			
		ii. Senior management position (SVP/14-15)	THB/person -year	33,593.82	1,316.47	-	-			
		iii. Middle management position (VP-DM/11-13)	THB/person -year	11,944.47	3,554.86	13,007.07	2,105.79			
		iv. Junior management position (Section Manager/9-10)	THB/person -year	24,678.35	5,642.09	10,979.02	3,198.79			
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	THB/person -year	20,619.08	10,513.42	6,177.21	3,601.20			
		<b>By Nationality</b>								
		i. Thai	THB/person -year	19,474.68	5,533.14	8,382.01	2,769.11			
		ii. Turkish	THB/person -year	-	-	-	-			
		iii. Dutch	THB/person -year	-	1,500.00	-	-			
		iv. Americans	THB/person -year	-	1,500.00	-	-			
		v. French	THB/person -year	-	1,500.00	-	-			
		vi. Other	THB/person -year	-	-	-	-			
		<b>By location</b>								
		i. Rayong	THB/person -year	7,292.87	6,757.78	5,656.18	5,910.93			
		ii. Chonburi	THB/person -year	19,968.59	4,152.00	4,473.16	10,667.24			
		iii. Bangkok	THB/person -year	28,788.97	2,901.12	12,072.77	4,485.15			
		Non-mandatory training	THB/person -year	20,203.96	8,356.73	8,382.01	2,772.20			
		<b>By employee age</b>								
		i. <30 years	THB/person -year	24,100.02	8,320.65	9,314.16	3,465.04			
		ii. 30 - 50 years	THB/person -year	19,081.09	8,187.98	7,658.19	3,591.73			
		iii. >50 years	THB/person -year	25,959.16	9,680.92	10,068.89	1,912.17			
		<b>By Gender</b>								
		i. Male	THB/person -year	17,994.68	9,080.04	7,239.69	3,028.50			
		ii. Female	THB/person -year	24,739.84	6,677.39	11,051.91	2,694.17			
		<b>By employee level</b>								
		i. Top management position (EVP/16+)	THB/person -year	45,000.00	40,955.00	-	-			
		ii. Senior management position (SVP/14-15)	THB/person -year	62,733.31	10,544.05	-	-			
		iii. Middle management position (VP-DM/11-13)	THB/person -year	32,528.38	7,709.40	13,506.76	13,820.36			
		iv. Junior management position (Section Manager/9-10)	THB/person -year	20,501.08	12,051.85	12,186.24	4,754.68			
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	THB/person -year	15,799.50	7,247.21	7,167.91	2,297.76			
		<b>By Nationality</b>								
		i. Thai	THB/person -year	20,203.96	8,387.71	7,438.42	2,932.50			
		ii. Turkish	THB/person -year	-	-	-	-			
		iii. Dutch	THB/person -year	-	-	-	-			
		iv. Americans	THB/person -year	-	-	-	-			

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026	
		v. French	THB/person -year	-	7,245.00	-	-				
		vi. Other	THB/person -year	-	-	-	-				
		By location									
		i. Rayong	THB/person -year	28,496.23	8,234.35	6,778.14	2,351.16				
		ii. Chonburi	THB/person -year	10,982.72	5,574.66	5,833.17	5,392.79				
		iii. Bangkok	THB/person -year	15,253.47	9,253.92	12,529.64	4,093.13				
Equal Remuneration (Gender Pay Indicators)											
N/A	3.1.4	Average salary									
		Data Coverage	% FTEs	>75%	>75%	>75%	>75%				
		i. Executive level (Base salary only)									
		- Male	THB	3,688,000	6,356,358	4,223,737	4,634,318				
		- Female	THB	3,114,000	5,605,565	4,428,085	4,679,270				
		- Ratio (Average Female and Male Salary)	-	0.84	0.88	1.05	1.01				
		ii. Executive level (Base salary + other cash incentives)									
		- Male	THB	N/A	9,571,280.40	6,405,847	7,688,002				
		- Female	THB	N/A	6,135,639.31	6,601,562	7,405,508				
		- Ratio (Average Female and Male Salary)	-	N/A	1.56	1.03	0.96				
		iii. Management level (base salary only)									
		- Male	THB	1,410,000	1,759,688	1,596,393	1,978,405				
		- Female	THB	1,501,000	2,386,738	1,600,726	1,763,567				
		- Ratio	-	1.065	1.356	1.00	0.89				
		iv. Management level (base salary + other cash incentives)									
		- Male	THB	2,758,000	3,713,808	2,617,988	3,296,098				
		- Female	THB	2,500,000	3,761,390	2,472,194	2,745,910				
		- Ratio	-	0.906	1.013	0.94	0.83				
		v. Non-management level									
		- Male	THB	1,227,000	1,282,743	955,243	1,470,105				
		- Female	THB	1,212,600	1,171,127	919,716	1,210,969				
		- Ratio	-	0.988	0.913	0.96	0.82				
Freedom of Association											
407-1	3.1.5	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk									
		Percentage of employees represented by an independent trade union or covered by collective bargaining agreements	%	100	100	100	100				
Human rights											
411-1	3.2.4	Incidents of violations involving rights of indigenous peoples									
		Total number of identified incidents of violations in	Case	N/A	N/A	0	0				
		Status of the incidents and actions taken									
		Incident reviewed by the organization	Case	N/A	N/A	N/A	N/A				
		Remediation plans being implemented	Case	N/A	N/A	N/A	N/A				
		Remediation plans that have been implemented, with results reviewed through routine internal management review processes	Case	N/A	N/A	N/A	N/A				
		Incident no longer subject to action.	Case	N/A	N/A	N/A	N/A				
412-1	3.2.3	Percentage of total human rights assessed in the last three years									
		i. Own operations	% of business Activities in GPSC Business Value Chain	100	100	100	100				
		ii. Contractors and Tier 1 suppliers	% of critical contractors and tier-1 supplier	23.53	100	100	100				
		iii. Joint Ventures	% of joint venture	100	100	100	100				
		Percentage of total human rights assessed where risks have been identified									
		i. Own operations	% of business Activities in GPSC Business Value Chain	0	0	0	0				
		ii. Contractors and Tier 1 suppliers	% of critical contractors and tier-1 supplier	0	0	0	0				
		iii. Joint Ventures	% of joint venture	0	0	0	0				
		Percentage of risk with mitigation or remediation process implemented									

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
		i. Own operations	% of business Activities in GPSC Business Value Chain	100	100	100	100			
		ii. Contractors and Tier 1 suppliers	% of critical contractors and tier-1 supplier	100	100	100	100			
		iii. Joint Ventures	% of joint venture	100	100	100	100			
N/A	3.2.4	<b>Site with mitigation plans</b>								
		i. Own operations	% of business Activities in GPSC Business Value Chain	100	100	100	100			
		ii. Contractors and Tier 1 suppliers	% of critical contractors and tier-1 supplier	24	100	100	100			
		iii. Joint Ventures	% of joint venture	100	100	100	100			
<b>Human Capital Development</b>										
N/A	3.3.3	<b>Human Capital Return on Investment</b>								
		Human Capital Return on Investment (HCROI)	Unit	7.52	8.99	5.93	3.38			
		a) Total Revenues,	THB	25,530,496,975	71,908,340,000	78,148,083,820	127,908,260,000			
		b) Total Operating Expenses	THB	21,303,410,000	58,399,550,000	66,698,686,850	122,633,910,000			
		c) Total related expenses (salaries + benefits)	THB	648,634,845	1,691,066,140	2,324,470,000	2,219,440,000			
N/A	N/A	<b>Return on Employee Development Investment</b>								
		Return on Employee Development Investment	-	1.712	8.61	1.61	3.96			
<b>Talent Attraction &amp; Retention</b>										
N/A	3.4.2	<b>Type of Performance Appraisal</b>								
		<b>Coverage of the individual performance appraisals used for individual performance-related compensation</b>								
		i. Management by objectives: systematic use of agreed measurable targets by line superior	% of all employees	100	100	100	100			
			Frequency	Quarterly/Twice a year	Quarterly/Twice a year	Quarterly/Twice a year	Quarterly/Twice a year			
		ii. Multidimensional performance appraisal (e.g. 360 degree feedback)	% of all employees	100	100	100	100			
			Frequency	Quarterly/Twice a year	Quarterly/Twice a year	Quarterly/Twice a year	Quarterly/Twice a year			
		iii. Formal comparative ranking of employees within one employee category	% of all employees	100	100	100	100			
			Frequency	Yearly	Yearly	Yearly	Yearly			
		iv. Team-based performance appraisal	% of all employees	100	100	100	100			
			Frequency	Quarterly/Twice a year	Quarterly/Twice a year	Quarterly/Twice a year	Quarterly/Twice a year			
		v. Agile conversation	% of all employees	100	100	100	100			
			Frequency	Ongoing	Ongoing	Ongoing	Ongoing			
<b>Employee Wellbeing</b>										
N/A	3.4.6	<b>Core Focus: Employee Engagement</b>								
		Employee Engagement <sup>1</sup>	actively engaged	57	62	71	69	60	60	60
		Data Coverage	% of total employee	98	80	96	97	95		
		<b>By employee age</b>								
		i. <30 years	Person	52	118	121	128			
		ii. 30 - 50 years	Person	236	631	746	822			
		iii. >50 years	Person	17	79	86	132			
		<b>By Gender</b>								
		i. Male	Person	N/A	567	657	768			
		ii. Female	Person	N/A	261	296	314			
		<b>By employee level</b>								
		i. Top management position (EVP/16+)	Person	N/A	4	7	7			
		ii. Senior management position (SVP/14-15)	Person	N/A	15	28	25			
		iii. Middle management position (VP-DM/11-13)	Person	N/A	79	93	113			
		iv. Junior management position (Section Manager/9-10)	Person	N/A	122	126	81			
		v. Revenue-generating functions (e.g. sales) as % of all such managers (i.e. excluding support functions such as HR, IT, Legal, etc.)	Person	N/A	42	97	24			
		<b>By Nationality</b>								
		i. Thai	Person	N/A	826	951	1,080			
		ii. Turkish	Person	N/A	N/A	N/A	N/A			
		iii. Dutch	Person	N/A	N/A	N/A	N/A			
		iv. Americans	Person	N/A	N/A	N/A	N/A			
		v. French	Person	N/A	N/A	N/A	N/A			



GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
		vi. Other	Person	N/A	N/A	N/A	N/A			
		<b>By Disability</b>								
		i. Vision Impairment	Person	N/A	N/A	N/A	N/A			
		ii. Deaf or hard of hearing	Person	N/A	N/A	N/A	N/A			
		iii. Physical disability	Person	N/A	N/A	N/A	N/A			
		iv. Others (e.g. mental health conditions, intellectual disability)	Person	N/A	N/A	N/A	N/A			
N/A	N/A	<b>Other labor practice KPI</b>								
		Key Positions in Succession Planning	%	100	100	100	100	100	100	100
		<b>Policy Influence</b>								
415-1	1.6.1	<b>Political contributions</b>								
		<b>Total contribution and other spending</b>								
		i. Lobbying, interest representation or similar	THB	0	0	0	0			
		ii. Local, regional or national political campaigns/ organizations/ candidates	THB	0	0	0	0			
		iii. Trade associations or tax-exempt groups	THB	166,701	717,526	460,542	496,231			
		a. The Association of Private Power Producers (APPP)	THB	42,800	370,870	202,800	200,000			
		b. Thailand Business Council for Sustainable Development (TBCSD)	THB	48,150	153,110	115,990	110,000			
		c. The Institute of Industrial Energy	THB	0	55,000	0	0			
		d. Thai Wind Energy Association					25,000			
		e. The Thai Chamber of Commerce	THB	23,000	23,000	23,000	23,000			
		f. Thailand National Committee of CIGRE	THB	20,388	42,266	42,612	37,231			
		g. Thai Industrial Estate and Strategic Partner Association	THB	15,000	60,000	60,000	60,000			
		h. Thai Photovoltaic Industries Association	THB	6,223	0	5,000	5,000			
		i. The Federation of Thai Industries Rayong Chapter	THB	4,000	4,000	4,000	4,000			
		j. The Federation of Thai Industries Chonburi Chapter	THB	2,140	4,280	2,140	12,000			
		k. Electric Vehicle Association of Thailand	THB				10,000			
		l. Thailand Management Association (TMA)	THB	5,000	5,000	5,000	5,000			
		m. Thailand Energy Storage Technology Association (TESTA)	THB				5,000			
		iv. Other (e.g. spending related to ballot measures or referendums)	THB	565,650	524,000	360,000	653,750			
		a. United Nation Global Compact (UNGC)	THB				288,750			
		b. Petroleum Institute of Thailand (PTIT)	THB	315,650	274,000	110,000	110,000			
		c. The Federation of Thai Industries (F.T.I.)	THB							
		- Renewable Energy Industry Club		250,000	250,000	250,000	250,000			
		- Power Producer Industry Club								
		d. RE100	THB	-	-	-	5,000			
		<b>Total contributions and other spending</b>	<b>THB</b>	<b>732,351</b>	<b>1,241,526</b>	<b>820,542</b>	<b>1,149,981</b>			
		Data coverage	%	100	100	100	100			
		<b>Sustainable Community</b>								
N/A	N/A	<b>Type of Philanthropic Activities</b>								
		i. Charitable donations	%	24.93	23.31	24.02	6.94			
		ii. Community investments	%	69.87	72.34	70.61	84.11			
		iii. Commercial initiatives	%	5.20	4.35	5.38	8.96			
N/A	N/A	<b>Input</b>								
		<b>Type of contribution</b>								
		i. Cash contributions	THB	9,800,000	12,462,870	2,800,000	16,023,929			
		ii. Time: employee volunteering during paid working hours	THB	886,200	564,543	317,761	638,250			
		iii. In-kind giving: product or services donations, projects/partnerships or similar	THB	995,700	1,901,058	2,999,147	8,191,721			
		iv. Management overheads	THB	709,394	13,412,278	12,056,429.00	12,056,429			
		<b>Product Responsibility/ Customer Relationship Management</b>								
102-43	3.6.1	<b>Approach to stakeholder engagement Satisfaction Measurement and KPI</b>								
		Satisfied respondents <sup>(1)</sup>	% of satisfied respondents out of total number of respondents to the survey	86.30	84.29	91.00	95.00	≥ 90		
		Data coverage	%	100	100	100	100			
		<b>Privacy Protection</b>								
418-1	N/A	<b>Breaches of Customer Privacy: Complaints</b>								
		i. Complaints received from outside parties and substantiated by the organization	Case	0	0	0	0			
		ii. Complaints from regulatory bodies	Case	0	0	0	0			
N/A	N/A	<b>Customer Privacy Information</b>								
		Percentage of users whose customer data is used	%	N/A	0	0	0			
		<b>Stakeholder Engagement</b>								
413-1	N/A	<b>Operations with local community engagement, impact assessments, and development programs</b>								
		Percentage of operations with implemented local community engagement, impact assessments, and/or development programs	%	N/A	100	100	100			

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2023	Target 2026
413-2	N/A	Operations with significant actual and potential negative impacts on local communities								
		Percentage of operations with significant actual and potential negative impacts on local communities	%	N/A	0	0	100			
Occupational Health and Safety										
		Data Coverage	%	100	100	100	100	100		
403-9	3.5.3	Work-related injuries								
		For Employee								
		i. Fatalities as a result of work-related injury	Case	0	0	0	0			
		ii. High-consequence work-related injuries (excluding fatalities)	Case	0	0	0	0			
		iii. Recordable work-related injuries	Case	0	2	1	0			
		iv. Number of hours worked (hrs)	Man-hours	2,223,444.00	2,279,590.91	2,281,863.50	2,466,761.00			
		For Contractor								
		i. Fatalities as a result of work-related injury	Case	0	0	0	0			
		ii. High-consequence work-related injuries (excluding fatalities)	Case	0	0	0	0			
		iii. Recordable work-related injuries	Case	7	3	2	0			
		iv. Number of hours worked (hrs)	Man-hours	2,902,556.99	2,619,076.23	2,888,105.79	3,063,645.00			
		Rates of Injury								
		For Employee								
		i. Fatalities as a result of work-related injury	Case/million hours	0	0	0	0			
		ii. High-consequence work-related injuries (excluding fatalities)	Case/million hours	0	0	0	0			
		iii. Recordable work-related injuries	Case/million hours	0	0.88	0.44	0.00			
		For Contractor								
		i. Fatalities as a result of work-related injury	Case/million hours	0	0	0	0			
		ii. High-consequence work-related injuries (excluding fatalities)	Case/million hours	0	0	0	0			
		iii. Recordable work-related injuries	Case/million hours	2.41	1.15	0.69	0			
N/A	3.5.4	Lost-Time Injury Cases (LTI)								
	3.5.5	i. Employee	Cases	0	0	0	0			
		ii. Contractor	Cases	4	0	0	0			
		Lost-Time Injury Frequency Rate (LTIFR)								
		i. Employee	Case/million hours worked	0	0	0	0			
		ii. Contractor	Case/million hours worked	1.38	0	0	0			
403-10	N/A	Work-related ill health								
		For Employee								
		i. The number of fatalities as a result of work-related ill health	Number	0	0	0	0			
		ii. The number of cases of recordable work-related ill health	Number	0	0	0	0			
		For Contractor								
		i. The number of fatalities as a result of work-related ill health	Number	0	0	0	0			
		ii. The number of cases of recordable work-related ill health	Number	0	0	0	0			

**Remarks:** The scope of the data includes the power plants of GPSC and GLOW in Thailand, which consist of Central Utility Plants 1-4 (CUP 1-4), Sriracha Power Plant, Glow IPP plant, Glow Energy Phase 1 plant, Glow Energy Phase 2 plant, Glow Energy Phase 4 plant, Glow Energy Phase 5 plant, Glow Energy CFB 3 plant, Glow Energy Solar plant, Glow SPP 2/Glow SPP 3 plant (Phase 3), Glow SPP 11 Project 1 plant, Glow SPP 11 Project 2 plant, Glow SPP 11 Project 3 plant, GHECO-One Power plant, RDF power plant and CHPP.

## GPSC Sustainability Performance Data

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2030
<b>Environmental</b>									
<b>Environmental Reporting</b>									
N/A	1.1.1	<b>Sustainability Reporting - Coverage</b>							
		Coverage of publicly available sustainability disclosure	% of revenues	100	100	100	100	100	
<b>Environmental Management System</b>									
N/A	2.1.3	<b>EMS: Certification/Audit/Verification</b>							
		Operations that are covered by EMS verified through international standards (e.g. ISO 14001, JIS Q 14001, EMAS certification)	% Coverage	100	100	99.93	99.78	To maintain the ISO 14001: 2015 standard	
		Operation that are received Third party certification / audit / verification by specialized companies	% Coverage	100	100	0.07	0.22		
		Operaiton that are received Internal certification /audit / verification by company's own pecialists from headquarters	% Coverage	100	100	100	100		
<b>Environmental Compliance</b>									
307-1	2.1.4	<b>Environmental Violations</b>							
		Number of violations and legal obligations / regulations (Above 10,000 USD)	Case	0	0	0	0	0	
		Total monetary value of significant fines for non-compliance with environmental laws and regulations (Above 10,000 USD)	Million THB	0	0	0	0	0	
		Total number of non-monetary sanctions for non-compliance with environmental laws and regulations	Case	0	0	0	0	0	
	N/A	Environmental liability accrued at year-end	Million THB	0	0	0	0	0	
	2.5.3	Total actual and opportunity costs (e.g. forgone income) from water-related incidents	Million THB	0	0	0	0	0	
<b>Emissions</b>									
305-1	2.2.1	<b>Total direct GHG emissions (Scope 1)</b>	Tonnes CO <sub>2</sub> e	<b>11,198,789.45</b>	<b>11,177,882.48</b>	<b>11,844,924.88</b>	<b>12,680,802.16</b>	<b>13,107,431.00</b>	
		i. CO <sub>2</sub>	Tonnes CO <sub>2</sub> e	11,169,680.15	11,148,563.37	11,805,591.40	12,636,751.34		
		ii. CH <sub>4</sub>	Tonnes CO <sub>2</sub> e	3,480.33	3,429.03	5,312.70	13,633.84		
		iii. N <sub>2</sub> O	Tonnes CO <sub>2</sub> e	23,748.96	25,028.48	24,292.87	27,508.12		
		iv. HFCs	Tonnes CO <sub>2</sub> e	1,434.14	744.11	1,067.45	2,031.43		
		v. SF <sub>6</sub>	Tonnes CO <sub>2</sub> e	445.86	117.50	8,660.46	877.43		
		vi. PFCs	Tonnes CO <sub>2</sub> e	0	0	0	0		
		vii. NF <sub>3</sub>	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
		viii. Biogenic CO <sub>2</sub> (excluded from total emissions)	Tonnes CO <sub>2</sub> e	18.35	34.24	47.43	47.47		
305-2	2.2.2	<b>Total indirect GHG emissions from energy purchased and consumed (scope 2) (Location-Based)</b>	Tonnes CO <sub>2</sub> e	<b>12,644.73</b>	<b>20,522.36</b>	<b>22,726.50</b>	<b>27,850.95</b>	<b>28,409.00</b>	
		<b>Total indirect GHG emissions from energy purchased and consumed (scope 2) (Market-Based)</b>	Tonnes CO <sub>2</sub> e	<b>12,644.73</b>	<b>20,522.36</b>	<b>22,726.50</b>	<b>27,850.95</b>	<b>28,409.00</b>	
305-3	2.2.3	<b>Total other indirect GHG emissions (Scope 3)</b>	Tonnes CO <sub>2</sub> e	<b>322,000.24</b>	<b>327,078.19</b>	<b>1,393,955.65</b>	<b>1,555,098.09</b>	<b>1,672,747.00</b>	
		<b>Total Upstream</b>	Tonnes CO <sub>2</sub> e	<b>322,000.24</b>	<b>327,078.19</b>	<b>1,393,451.13</b>	<b>1,555,098.09</b>		
		i. Purchased goods and services	Tonnes CO <sub>2</sub> e	0	0	0	0		
		ii. Capital goods	Tonnes CO <sub>2</sub> e	0	0	0	0		
		iii. Fuel- and energy-related activities (not included in Scopes 1 or 2)	Tonnes CO <sub>2</sub> e	321,554.86	326,913.35	1,386,325.74	1,550,323.84		
		iv.Upstream transportation & distribution	Tonnes CO <sub>2</sub> e	111.73	95.52	1,913.09	0		
		v. Waste generated in operations	Tonnes CO <sub>2</sub> e	0	0	5,208.12	4,685.93		
		vi. Business travel	Tonnes CO <sub>2</sub> e	333.65	69.32	4.19	88.32		
		vii. Employee commuting	Tonnes CO <sub>2</sub> e	0	0	0	0		
		viii. Upstream leased assets	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		

# GPSC Sustainability Performance Data

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2030
		Other upstream	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
		<b>Total Downstream</b>	Tonnes CO <sub>2</sub> e	<b>0</b>	<b>0</b>	<b>504.52</b>	<b>0</b>		
		ix. Downstream transportation and distribution	Tonnes CO <sub>2</sub> e	0	0	504.52	0		
		x. Processing of sold products	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
		xi. Use of sold products	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
		xii. End-of-life treatment of sold products	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
		xiii. Downstream leased assets	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
		xiv. Franchises	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
		xv. Investments	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
		Other downstream	Tonnes CO <sub>2</sub> e	N/A	N/A	N/A	N/A		
305-4	N/A	<b>Total GHG emission Intensity</b>	Tonnes CO <sub>2</sub> e/M Wh	0.424	0.436	0.444	0.453		
305-5	2.5.10	<b>GHG emissions reduced as a direct result of reduction initiatives</b>							
		i. Estimated annual CO <sub>2</sub> e savings	Tonnes CO <sub>2</sub> e	422,185.00	581,930.00	581,930.00	433,122.00		
		ii. Total annual investment required	THB	661,812,500.00	801,912,500.00	801,912,500.00	368,595,460.00		
		iii. Total anticipated annual cost savings	THB	1,658,136,000.00	1,660,422,082.96	1,660,422,082.96	1,711,239,111.00		
		iv. Average pay-back period	Year	7.98	9.66	9.66	8.51		
305-6	N/A	<b>Emissions of ozone depleting substances (ODS)</b>	tCFC-11e	N/A	N/A	N/A	N/A		
305-7		<b>Other significant air emissions</b>							
	2.2.4	Direct NOx emissions	Tonnes	5,819.48	6,964.07	12,826.85	12,613.98	12,870.00	
	2.2.5	Direct SOx emissions	Tonnes	3,323.46	4,420.87	3,901.18	3,522.34	4,890.00	
	2.2.6	Direct mercury emission	Tonnes	0.01	0.01	0.003	0.004	0.02	
	2.2.7	Dust emission	Tonnes	142.97	151.95	460.19	475.32	490.00	
	2.2.8	SF6 emissions	Tonnes	0.02	0.0001	0.37	0.04	0.40	
<b>Resource Efficiency and Circularity</b>									
302-1	2.3.1	<b>Energy Consumption</b>							
		<b>A) Total non-renewable fuels purchased and consumed</b>	MWh	<b>43,657,687.90</b>	<b>45,309,560.82</b>	<b>49,970,339.53</b>	<b>52,835,414.94</b>		
		<b>Stationary Combustion:</b>	MWh	<b>43,656,296.14</b>	<b>45,307,227.13</b>	<b>49,959,694.82</b>	<b>52,829,522.03</b>		
		Natural gas	MWh	27,971,657.32	28,593,038.45	34,406,425.42	31,752,734.96		
		Diesel	MWh	3,963.43	1,745.12	1,230,415.62	6,346,684.27		
		Sub bituminous coal	MWh	15,378,604.55	16,369,408.59	14,209,023.38	14,480,360.61		
		Tail gas	MWh	302,070.84	343,034.97	113,830.41	249,742.19		
		<b>Mobile combustion:</b>	MWh	<b>1,391.76</b>	<b>2,333.69</b>	<b>10,644.71</b>	<b>5,892.91</b>		
		Diesel	MWh	380.76	888.30	10,503.20	5,859.25		
		Gasoline	MWh	797.28	1,394.62	81.43	0		
		NGV	MWh	213.72	50.77	50.23	7.36		
		PTT HyForce Premium Diesel	MWh	0	0	9.85	26.29		
		<b>B) Non-renewable electricity purchased</b>	MWh	<b>27,061.47</b>	<b>43,729.94</b>	<b>45,462.09</b>	<b>55,713.05</b>		
		<b>C) Steam/heating/cooling and other energy (non-renewable) purchased</b>	MWh	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		i. Non-renewable steam purchased for consumption	MWh	0	0	0	0		
		<b>D) Total renewable energy consumption</b>	MWh	<b>0</b>	<b>0</b>	<b>2,761.11</b>	<b>4,313.25</b>		
		Renewable electricity	MWh	0	0	523.69	682.39		
		Biodiesel B100	MWh	0	0	44.70	0		
		Ethanol E100	MWh	0	0	0	0		
		Gassohol E20	MWh	0	0	77.62	132.49		
		Gassohol E85	MWh	0	0	0.33	14.77		
		Gasohol 91, 95	MWh	0	0	1,071.56	1,469.94		
		Diesel B7, B10	MWh	0	0	1,043.21	1,130.54		
		RDF	MWh				883.13		
		<b>E) Total non-renewable energy (electricity and heating &amp; cooling) sold, (exclude resaled)</b>	MWh	<b>26,460,901.71</b>	<b>25,686,145.33</b>	<b>26,742,032.18</b>	<b>28,023,741.79</b>		
		i. Non-renewable electricity sold (self-generation)	MWh	16,096,940.96	15,666,298.85	16,469,570.04	17,912,203.81		
		ii. Non-renewable steam sold (self-generation)	MWh	10,363,960.75	10,019,846.48	10,252,698.14	10,092,357.98		
		iii. Non-renewable cooling sold (self-generation)	MWheq	0	0	19,764.00	19,180.00		
			MWh	0	0	88,723.72	85,878.46		
		<b>F) Total renewable energy (wind, solar, biomass, hydroelectric, geothermal, etc.) sold</b>	MWh	<b>2,279.46</b>	<b>2,248.43</b>	<b>14,653.60</b>	<b>44,612.08</b>		
		<b>Total non-renewable energy consumption [(A+B+C)-E]</b>	MWh	<b>17,223,847.66</b>	<b>19,667,145.43</b>	<b>23,273,769.44</b>	<b>24,867,386.20</b>	25,601,150.00	

# GPSC Sustainability Performance Data

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2030
302-2	N/A	Total energy intensity	MWh/M Wh	0.65	0.77	0.87	0.89		
<b>Waste</b>									
306-3	N/A	<b>Hazardous waste generated (as defined by national legislation)</b>							
		i. Total hazardous waste generated	Tonnes	993.69	657.76	1,018.65	1,500.79		
	N/A	<b>Non-Hazardous waste generated (as defined by national legislation)</b>							
		i. Total non-hazardous waste generated	Tonnes	186,985.33	211,579.78	213,365.37	235,366.14		
306-4	N/A	<b>Total waste diverted from disposal</b>	Tonnes	182,458.72	195,115.96	201,676.66	225,314.79		
		Offsite							
	2.4.2	<b>A. Total hazardous waste diverted from disposal</b>	Tonnes	51.94	49.41	42.95	104.40		
		i. Preparation for reuse	Tonnes	0	0	0	9.00		
		ii. Recycling	Tonnes	38.72	49.41	42.95	95.40		
		iii. Other recovery operations	Tonnes	13.22	0	0	0		
	2.4.1	<b>B. Total non-hazardous waste diverted from disposal</b>	Tonnes	182,406.78	195,066.55	201,633.71	225,210.39		
		i. Preparation for reuse	Tonnes	0	0	0	0		
		ii. Recycling	Tonnes	180,605.80	191,484.40	198,604.67	222,231.41		
		iii. Other recovery operations	Tonnes	1,800.98	3,582.15	3,029.04	2,978.98		
306-5	N/A	<b>Total waste directed to disposal</b>	Tonnes	5,520.30	17,121.59	12,706.85	11,552.14		
		Offsite							
	2.4.2	<b>A. Total weight of hazardous waste directed to disposal</b>	Tonnes	941.75	608.35	975.18	1,396.39	1,700.00	
		i. Incineration (with energy recovery)	Tonnes	731.96	605.88	676.64	433.85		
		ii. Incineration (without energy recovery)	Tonnes	108.67	2.47	295.64	845.62		
		iii. Landfilling	Tonnes	0	0	0	0		
		iv. Other disposal operations	Tonnes	101.12	0	2.91	116.92		
	2.4.1	<b>B. Total weight of non-hazardous waste directed to disposal</b>	Tonnes	4,578.55	16,513.24	11,731.66	10,155.75	10,940.00	
		i. Incineration (with energy recovery)	Tonnes	4.14	107.14	85.20	54.10		
		ii. Incineration (without energy recovery)	Tonnes	0	15.52	0	96.45		
		iii. Landfilling	Tonnes	3,859.60	11,924.47	11,458.27	9,929.07		
		iv. Other disposal operations	Tonnes	714.81	4,466.11	188.19	76.13		
	N/A	<b>On-site waste storage</b>							
		Hazardous waste	Tonnes	0	0	0.50	0		
		Non-Hazardous waste	Tonnes	0	0	0	0		
N/A	2.4.3	<b>Ash and Gypsum Waste</b>							
		Total ash & gypsum waste recycled/reused	Tonnes	180,423.83	191,284.09	198,831.96	219,805.47		
		Total ash & gypsum waste disposed	Tonnes	1,046.92	500.20	518.34	2,066.21	2,200.00	
G4-EN24	N/A	<b>Significant Spills</b>							
		Number of spills to environment	Case	0	0	0	0		
		Quantity of spills to environment	Liters	0	0	0	0		
<b>Water</b>									
303-3	N/A	<b>Water Consumption</b>							
		<b>Water Withdrawal by Sources</b>							
		<b>Total water withdrawn from all areas</b>	M Liters	2,026,158.21	1,953,221.99	-	1,800,787.67		
	2.5.1	<b>A. Total water withdrawal from fresh water (≤1,000 mg/L TDS)</b>	M Liters	53,327.31	47,508.94	-	33,765.41		
		i. Surface water	M Liters	78.34	91.12	0	1,725.35		
		ii. Groundwater	M Liters	0	0	0.88	4,069.48		
		iii. Third-party water	M Liters	53,327.31	47,417.82	36,824.59	27,970.58		
		<b>B. Total water withdrawal from other water (&gt;1,000 mg/L TDS)</b>	M Liters	1,972,830.90	1,905,713.05	1,556,106.45	1,767,022.27		
		i. Surface water	M Liters	0	0	0	4,306.69		
		ii. Groundwater	M Liters	0	0	0	0		
		iii. Seawater	M Liters	1,972,830.90	1,905,713.05	1,556,085.92	1,762,715.57		
		iv. Third-party water	M Liters	0	0	20.54	0		
	2.5.2	<b>Total water withdrawn from water stress area</b>	M Liters	0	0	0	0		
		<b>A. Total water withdrawal from fresh water (≤1,000 mg/L TDS)</b>	M Liters	0	0	0	0		
		i. Surface water	M Liters	0	0	0	0		
		ii. Groundwater	M Liters	0	0	0	0		
		iii. Third-party water	M Liters	0	0	0	0		
		<b>B. Total water withdrawal from other water (&gt;1,000 mg/L TDS)</b>	M Liters	0	0	0	0		
		i. Surface water	M Liters	0	0	0	0		
		ii. Groundwater	M Liters	0	0	0	0		
		iii. Seawater	M Liters	0	0	0	0		
		iv. Third-party water	M Liters	0	0	0	0		
	N/A	<b>Total water withdrawal index</b>	m <sup>3</sup> /MWh	76.57	76.04	-	64.16		
303-4	N/A	<b>Water Discharge</b>							
		<b>Total water discharge to all areas</b>	M Liters	2,007,377.80	1,935,760.16	1,558,794.98	1,765,700.72		
	2.5.1	<b>A. Total water discharge fresh water (≤1,000 mg/L TDS)</b>	M Liters	32,748.97	28,217.79	1,956.74	1,925.06		
		i. Surface water	M Liters	690.00	457.35	1,948.53	1,654.35		
		ii. Groundwater	M Liters	0	0	0	0		
		iii. Seawater	M Liters	0	0	0	79.23		

**GPSC Sustainability Performance Data**

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2030	
	2.5.2	iv. Third-party water	M Liters	32,058.97	27,760.43	8.21	191.48			
		B. Total water discharge to other water (>1,000 mg/L TDS)	M Liters	1,974,628.82	1,907,542.38	1,556,838.24	1,763,775.66			
		i. Surface water	M Liters	0	0	670.18	641.56			
		ii. Groundwater	M Liters	0	0	0	0			
		iii. Seawater	M Liters	1,973,848.51	1,907,003.84	1,556,168.06	1,762,917.07			
		iv. Third-party water	M Liters	780.31	538.54	0	217.03			
		Total water discharge to water stress area	M Liters	0	0	0	0			
		A. Total water discharge fresh water (≤1,000 mg/L TDS)	M Liters	0	0	0	0			
		i. Surface water	M Liters	0	0	0	0			
		ii. Groundwater	M Liters	0	0	0	0			
		iii. Seawater	M Liters	0	0	0	0			
		iv. Third-party water	M Liters	0	0	0	0			
		B. Total water discharge other water (>1,000 mg/L TDS)	M Liters	0	0	0	0			
		i. Surface water	M Liters	0	0	0	0			
		ii. Groundwater	M Liters	0	0	0	0			
		iii. Seawater	M Liters	0	0	0	0			
	iv. Third-party water	M Liters	0	0	0	0				
	N/A	Water reused & recycled								
		Water reused/ recycled	M Liters	365.15	302.90	175.17	71.95			
		Recycled & Reused water	%	0.02	0.02	0.011	0.004			
		Number of incidents of non-compliance with discharge limits	Cases	0	0	0	0			
	303-5	N/A	Water Consumption							
Total water consumption in all areas			M Liters	18,858.75	17,461.83	34,136.95	35,086.95			
Total net freshwater consumption in water-stressed areas (Total water withdrawals – Total water discharges)			M Liters	0	0	0	0	0		
Change in Water Storage			M Liters	0	0	0	0			
E. Total Net Fresh Water Consumption (Total water withdrawal from fresh water - Total water discharge fresh water, excluded Third party water)			M Liters	52,715.64	47,051.59	34,876.95	32,111.06	32,720.00		
N/A	2.5.4	Exposure to Water Stressed Areas								
		No. of production plants in last FY in water-stressed areas	Plants	0	0	0	0			
		Total No. of production plants in last FY	Plants	0	0	0	0			
		Percentage of production plants in water-stressed areas	%	0	0	0	0			
		Percentage of Cost of goods sold (COGS) of plants in water-stressed areas	%	0	0	0	0			
	2.5.3	Total actual and opportunity costs (e.g. forgone income) from water-related incidents	THB	0	0	0	0			
Biodiversity										
N/A	2.7.4	a) Overall - The total number and the total area of your own operational sites								
		i. Number of site	Number	6	19	21	22			
		ii. Total area of the site	Hectares	28.59	78.147	79.50	84.07			
		b) Assessment- The biodiversity impact assessments in the past five years								
		i. Number of site	Number	1	19	21	22			
		ii. Total area of the site	Hectares	1.95	78.147	79.50	84.07			
		c) Exposure – The number of sites that have a significant biodiversity impact, or are in proximity to critical biodiversity								
		i. Number of site	Number	0	0	0	0			
		ii. Total area of the site	Hectares	0	0	0	0			
		d) Management plans - The sites that have a biodiversity management plan								
		i. Number of site	Number	0	19	21	22			
		ii. Total area of the site	Hectares	0	78	79.50	84.07			
Sector Disclosure: Electric Utilities										
EU11	2.8.3	Efficiency of Generation								
		Average annual efficiency for total energy sold (electricity+steam sent out/energy input)	%	56.34	55.28	56.17	58.61			
		i. Coal plants	%	45.36	45.18	46.06	44.70			
		ii. open-/combined-cycle gas plants	%	63.23	62.67	61.60	65.87			
		Average annual efficiency for electricity (electricity sent out/energy input)	%	44.26	43.48	43.64	45.56			
		i. Coal plants	%	41.48	41.46	41.70	40.87			
		ii. open-/combined-cycle gas plants	%	46.50	45.42	44.97	48.64			
		Average age of plants								
		i. Coal plants average age	Years	13.00	14.00	15.00	16.00			
		Total number of coal plants	Number	3	3	3	3			
		ii. Open-/combined-cycle gas plants average age	Years	15.79	15.66	16.66	17.66			
Total number of gas plants	Number	13	14	14	14					
EU28	N/A	Number of Customers (transmission + distribution)	Number	N/A	135	145	122			

## GPSC Sustainability Performance Data

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2030
EU28	N/A	Power outage frequency (transmission + distribution)	System Average Interruption Frequency Index (SAIFI)	N/A	0.26	0.32	0		
		Number of power outages (transmission + distribution)	Number	N/A	35	47	19		
EU29	N/A	Average power outage duration (transmission + distribution)	System Average Interruption Duration Index (SAIDI)	N/A	2.82	0.85	0		
		Total time of disruption (transmission + distribution)	Hours	N/A	530	148.77	52		
EU30	2.8.4	<b>Average plants availability factor by energy source and by regulatory regime</b>							
		i. Coal plants	%	N/A	98.16	92.57	96.03		
		ii. Gas plants	%	99.43	97.34	97.10	97.95		
		<b>Plants' Availability</b>							
N/A		i. Coal plants	Number	3	3	3	3		
		ii. Gas plants	Number	13	14	14	14		
N/A	2.3.2	<b>Electricity Transmission and Distribution Losses</b>							
		Transmission losses	%	0.011	0.003	0.004	0.004		
		Total energy transmitted	MW	192.93	654.12	672.12	679.90		
		Total energy transmission losses	MW	0.02	0.02	0.02	0.02		
		Technical Distribution losses	%	0.188	0.082	0.081	0.078		
		Total energy distributed	MW	45.53	186.78	190.61	202.17		
		Total energy distribution losses	MW	0.09	0.15	0.15	0.16		
N/A	2.3.3	<b>Electricity Transmission and Distribution Reliability</b>							
		SAIDI transmission network	Hours	0.767	0.210	0.150	0.00		
		Transmission reliability (ASAI)	%	99.991	99.998	99.998	100.00		
		Total number of transmission customers	Number	12	42	42	48		
		Transmission disruption in hours	Hours	9.20	8.80	6.31	0.00		
		SAIDI distribution network	Hours	5.795	0.313	0.567	0.696		
		Distribution reliability (ASAI)	%	99.934	99.996	99.994	99.99		
		Total number of distribution customers	Number	15	72	72	74		
		Distribution disruption in hours	Hours	86.93	22.50	40.82	51.52		
N/A	2.8.1	<b>Electricity Generation Mix</b>							
		<b>Non-renewable energy sources</b>							
		<b>Gross generation own assets</b>							
		Coal	GWh	N/A	N/A	5,907	5,306		
		Nuclear	GWh	N/A	N/A	0	0		
		Natural Gas	GWh	N/A	N/A	13,519	9,502		
		Oil	GWh	N/A	N/A	0	3,138		
		Other non-RE	GWh	N/A	N/A	0	0		
		Total gross generation own assets by non-renewable energy sources	GWh	N/A	N/A	19,427	17,947		
		<b>Share generation own assets</b>							
		Coal	%	N/A	N/A	26.38	22.76		
		Nuclear	%	N/A	N/A	0	0		
		Natural Gas	%	N/A	N/A	60.38	40.76		
		Oil	%	N/A	N/A	0	13.46		
		Other non-RE	%	N/A	N/A	0	0		
		Total share generation own assets by non-renewable energy sources	%	N/A	N/A	86.76	76.97		
		<b>Revenue generated</b>							
		Coal	THB	N/A	N/A	15,088,655,595.41	23,995,827,572.35		
		Nuclear	THB	N/A	N/A	0	0		
		Natural Gas	THB	N/A	N/A	60,718,101,115.44	56,593,987,922.12		
		Oil	THB	N/A	N/A	0	19,752,644,797.75		
		Other non-RE	THB	N/A	N/A	0	0		
		Total revenue generated by non-renewable energy sources	THB	N/A	N/A	75,806,756,710.85	100,342,460,292.22		
		Electricity from non-renewable energy sources purchased from third-parties and sold	GWh	N/A	N/A	54.24	19.38		
		<b>Renewable energy sources</b>							
		<b>Gross generation own assets</b>							
		Wind	GWh	N/A	N/A	0	0		
		Hydro	GWh	N/A	N/A	1,917.75	668.90		
		Solar	GWh	N/A	N/A	1,003.81	4,699.60		
		Biomass	GWh	N/A	N/A	0	0		
		Geothermal	GWh	N/A	N/A	0	0		
		Landfill gas	GWh	N/A	N/A	0	0		
		Wave tidal	GWh	N/A	N/A	0	0		
		Wave tidal	GWh	N/A	N/A	0	0		
		Other RE (Waste)	GWh	N/A	N/A	41.77	0.013		

# GPSC Sustainability Performance Data

GRI	DJSI	Required Data	Unit	2019	2020	2021	2022	Target 2022	Target 2030
		<b>Total gross generation own assets by renewable energy sources</b>	GWh	N/A	N/A	2,963.33	5,368.51		
		<b>Share generation own assets</b>							
		Wind	%	N/A	N/A	0	0		
		Hydro	%	N/A	N/A	8.57	2.869		
		Solar	%	N/A	N/A	4.48	20.157		
		Biomass	%	N/A	N/A	0	0		
		Geothermal	%	N/A	N/A	0	0		
		Landfill gas	%	N/A	N/A	0	0		
		Wave tidal	%	N/A	N/A	0	0		
		Wave tidal	%	N/A	N/A	0	0		
		Other RE (Waste)	%	N/A	N/A	0.19	0.00006		
		<b>Total share generation own assets by renewable energy sources</b>	%	N/A	N/A	13.24	23.03		
		<b>Revenue generated</b>							
		Wind	THB	N/A	N/A	0	0		
		Hydro	THB	N/A	N/A	14,745,143,584.65	810,116,098.89		
		Solar	THB	N/A	N/A	4,031,925,850.71	91,640,056.22		
		Biomass	THB	N/A	N/A	0	0		
		Geothermal	THB	N/A	N/A	0	0		
		Landfill gas	THB	N/A	N/A	0	0		
		Wave tidal	THB	N/A	N/A	0	0		
		Wave tidal	THB	N/A	N/A	0	0		
		Other RE (Waste)	THB	N/A	N/A	445,960,023.15	563,612,045.03		
		<b>Total revenue generated by renewable energy sources</b>	THB	N/A	N/A	19,223,029,458.51	1,465,368,200.14		
		<b>Electricity from renewable energy sources purchased from third-parties and sold</b>	GWh	N/A	N/A	0	0		
		<b>Total electricity generation sold</b>	GWh	N/A	N/A	22,444.48	17,976.19		
		<b>Carbon Intensity</b>	tCO2e/GWh	N/A	N/A	440.00	452.78		
EU2	N/A	<b>Net Energy Generated by type</b>	Total	26,463,181.17	25,688,432.27	26,756,685.77	28,068,353.87		
		<b>Electricity Production</b>	MWh	16,099,220.42	15,668,585.79	16,484,223.63	17,956,815.89		
		Coal	MWh	5,748,431.01	6,290,596.92	5,461,828.11	5,305,992.34		
		Nuclear	MWh	0	0	0	0		
		Natural Gas	MWh	10,348,509.95	9,375,701.93	11,007,741.93	9,500,030.02		
		Oil	MWh	0	0	0	3,106,181.45		
		Hydro, large (units>10MW)	MWh	0	0	0	0		
		Wind	MWh	0	0	0	0		
		Other renewables (Solar, small hydro (units <10MW), geothermal, biomass, etc.)	MWh	2,279.46	2,286.94	14,653.60	44,612.08		
		<b>Steam Production</b>	MWh	10,363,960.75	10,019,846.48	10,252,698.14	10,092,357.98		
		Natural Gas	MWh	9,080,854.16	8,692,644.93	9,034,033.69	9,056,604.98		
		Bituminous Coal	MWh	1,283,106.59	1,327,201.55	1,218,664.45	1,035,752.99		
		<b>District Cooling Production</b>	MWh	0	0	19,764.00	19,180.00		
		District Cooling	MWh	0	0	19,764.00	19,180.00		
		<b>Capacity under construction including purchased power and reserve margins</b>	MW	281	303	1,419	1,419		
		<b>Generation capacity</b>	MW	1,942	4,752	5,703	5,703		12,411
		Coal	MW	0	818	814	814		429
		Nuclear	MW	0	0	0	0		0
EU10	N/A	Natural Gas	MW	1,536	3,397	3,403	3,403		3,083
		Oil	MW	0	0	0	0		0
EU1	2.8.2	Other non-renewable energy sources (Petroleum Pitch)	MW	0	0	0	0		250
		<b>Total non-renewable energy sources</b>	MW	1,536	4,216	4,217	4,217		3,762
		Wind	MW	0	0	0	0		74
		Hydro	MW	347	449	449	449		347
		Solar	MW	59	85	1,024	1,024		8,215
		Other renewable energy sources (Waste)	MW	0	3	13	13		13
		<b>Total renewable energy sources</b>	MW	406	537	1,486	1,486		8,649
		<b>Total energy sources</b>	MW	1,942	4,752	5,703	5,703		12,411
		<b>Share of capacity</b>							
		Coal	%	0.00	17.22	14.27	14.27		3.46
		Nuclear	%	0.00	0.00	0.00	0.00		-
		Natural Gas	%	79.08	71.49	59.67	59.67		24.84
		Oil	%	0.00	0.00	0.00	0.00		-
		Other non-renewable energy sources	%	0.00	0.00	0.00	0.00		2.01
		<b>Total non-renewable energy sources</b>	%	79.08	88.71	73.95	73.95		30.31
		Wind	%	0.00	0.00	0.00	0.00		0.60
		Hydro	%	17.86	9.45	7.87	7.87		2.80
		Solar	%	3.06	1.79	17.96	17.96		66.19
		Other renewable energy sources (Waste)	%	0.00	0.06	0.22	0.22		0.10
		<b>Total renewable energy sources</b>	%	20.92	11.29	26.05	26.05		69.69
		<b>Total energy sources</b>	%	100	100	100	100		100
		<b>Total installed electricity generation capacity</b>	MW	1,942	4,752	5,703	5,703		

Remarks: GPSC reports the environmental performance data on an equity share basis.