

CH6 Appendix

- [123](#) GRI Content Index
- [129](#) United Nations Sustainable Development Goals (SDGs) Contents Index
- [130](#) SASB Index in Chemicals Industry
- [132](#) Sustainability Disclosure Indicators -Plastics Industry
- [133](#) Climate-related Financial Disclosures
- [135](#) Third-Party Assurance Report



6.1 GRI Content Index

Statement of Use	Asia Polymer Corporation has reported in accordance with the GRI Standards for the period from January 1, 2023 to December 31, 2023
GRI 1 Usage	GRI 1: Foundation 2021

GRI 2: General Disclosures 2021				
	Disclosure Content		Page No.	Remarks
The organization and its reporting practices	2-1	Organizational details	<u>9</u>	
	2-2	Entities included in the organization's sustainability reporting	<u>3</u>	
	2-3	Reporting period, frequency, and contact point	<u>3, 4</u>	
	2-4	Restatements of information	<u>3, 64, 75</u>	New disclosure items have been added following verification by a third-party certification body.
	2-5	External assurance	<u>3, 135</u>	
Activities and workers	2-6	Activities, value chain and other business relationships	<u>11, 50, 53</u>	No significant change
	2-7	Employees	<u>84</u>	
	2-8	Workers who are not employees	<u>84, 101</u>	
Governance	2-9	Governance structure and composition	<u>28, 33</u>	
	2-10	Nomination and selection of the highest governance body	<u>28, 29</u>	
	2-11	Chair of the highest governance body	<u>28, 31</u>	
	2-12	Role of the highest governance body in overseeing the management of impacts	<u>17, 29</u>	
	2-13	Delegation of responsibility for managing impacts	<u>33, 34</u>	
	2-14	Role of the highest governance body in sustainability reporting	<u>21, 34</u>	
	2-15	Conflicts of interest	<u>31</u>	
	2-16	Communication of critical concerns	<u>29, 35</u>	

GRI 2: General Disclosures 2021				
Disclosure Content			Page No.	Remarks
Governance	2-17	Collective knowledge of the highest governance body	<u>29, 30</u>	
	2-18	Evaluation of the performance of the highest governance body	<u>31</u>	
	2-19	Remuneration policies	<u>33</u>	
	2-20	Process of determining remuneration	<u>33</u>	
	2-21	Annual total compensation ratio	<u>33</u>	
Strategy, policies and practices	2-22	Statement on sustainable development strategy	<u>3</u>	
	2-23	Policy commitments	<u>13, 42, 54, 67, 72, 96, 101</u>	
	2-24	Embedding policy commitments	<u>14, 42, 55, 66, 72, 97, 101</u>	
	2-25	Processes to remediate negative impacts	<u>37, 44, 46, 53, 61, 63, 66, 79, 86, 99, 100, 110</u>	Material topics management impact, Processes to remediate and prevent negative impacts, Grievance mechanism
	2-26	Mechanisms for seeking advice and raising concerns	<u>43, 44, 99</u>	Ethical Corporate Management, Grievance Mechanism
	2-27	Legal compliance	<u>42, 43</u>	Legal compliance, penalty for violations events
	2-28	Membership of associations	<u>12</u>	
Stakeholder Engagement	2-29	Approach to stakeholder engagement	<u>17-20</u>	
	2-30	Collective bargaining agreements	<u>95</u>	Descriptions: As the Company maintains sound communication with employees through the labor union and labor-management meeting, no collective bargaining agreement has been concluded.

Topic Disclosures					
Material Topics		Management approach and disclosures		Page No.	Remarks
Category: Governance					
Economic Performance	GRI 3: Management Approach 2021	3-1	Process of Determining Material Topics	<u>21</u>	
		3-2	List of material topics	<u>24</u>	
		3-3	Management of material topics	<u>37</u>	
	GRI 201: Economic Performance 2016	201-1	Direct economic value generated and distributed	<u>38, 47</u>	Financial performance, R&D outcomes
		201-2	Financial implications and other risks and opportunities due to climate change	<u>68-72</u>	
		201-3	Defined benefit plan obligations and other retirement plans	<u>93</u>	Pension system
		201-4	Financial assistance received from government	<u>40</u>	
Technology R&D	GRI 3: Management Approach 2021	3-1	Process of Determining Material Topics	<u>21</u>	
		3-2	List of material topics	<u>24</u>	
		3-3	Management of material topics	<u>46</u>	
	Non-GRI Standards topic, APC specific topic			<u>47</u>	
Supply Chain Management	GRI 3: Management Approach 2021	3-1	Process of Determining Material Topics	<u>21</u>	
		3-2	List of material topics	<u>24</u>	
		3-3	Management of material topics	<u>53</u>	
	GRI 308: Supplier Environmental Assessment 2016	308-1	New suppliers that were screened using environmental criteria	<u>56</u>	Indicators for screening new suppliers
		308-2	Negative environmental impacts in the supply chain and actions taken	<u>55</u>	Supply Chain Risk, Impact and Preventive Measures
	GRI 414: Supplier Social Assessment 2016	414-1	New suppliers that were screened using social criteria	<u>56</u>	Indicators for screening new suppliers
		414-2	Negative social impacts in the supply chain and actions taken	<u>55</u>	Supply Chain Risk, Impact and Preventive Measures

Topic Disclosures					
Material Topics		Management approach and disclosures		Page No.	Remarks
Category: Environmental					
Raw material management	GRI 3: Management Approach 2021	3-1	Process of Determining Material Topics	21	
		3-2	List of material topics	24	
		3-3	Management of material topics	61	
	GRI 301: Materials 2016	301-1	Materials used by weight or volume	62	Material usage and recycling
		301-2	Using recycled and reused materials.	62	Material usage and recycling
		301-3	Reclaimed products and their packaging materials	62	Product Packaging Use and Recycling
Climate change and energy management	GRI 3: Management Approach 2021	3-1	Process of Determining Material Topics	21	
		3-2	List of material topics	24	
		3-3	Management of material topics	66	
	GRI 302: Energy 2016	302-1	Energy consumption within the organization	75	
		302-2	Energy consumption outside of the organization	—	Unable to conduct energy audits on the supply chain
		302-3	Energy intensity	75	Unit Product Energy Consumption
		302-4	Reduction of energy consumption	77	Energy Saving Actions and Benefits
		302-5	Reductions in energy requirements of products and services	—	The Comapny Product Lifecycle has NA energy consumption
Water resources management	GRI 3: Management Approach 2021	3-1	Process of Determining Material Topics	21	
		3-2	List of material topics	24	
		3-3	Management of material topics	63	
	GRI 303: Water and Effluents 2018	303-1	Interactions with water as a shared resource	64	Impacts of water acquisition, consumption, and discharge
		303-2	Management of water discharge-related impacts	64, 65	Effluent Management and Standard
		303-3	Water withdrawal	64	

Topic Disclosures					
Material Topics		Management approach and disclosures		Page No.	Remarks
Category: Environmental					
Water resources management	GRI 303: Water and Effluents 2018	303-4	Water discharge	<u>64</u>	
		303-5	Water consumption	<u>64</u>	
Air pollution control	GRI 3: Management Approach 2021	3-1	Process of Determining Material Topics	<u>21</u>	
		3-2	List of material topics	<u>24</u>	
		3-3	Management of material topics	<u>79</u>	
	GRI 305: Emissions 2016	305-1	Direct GHG Emissions (Scope 1)	<u>76</u>	
		305-2	Energy indirect GHG emissions (Scope 2)	<u>76</u>	
		305-3	Other indirect GHG emissions (Scope 3)	<u>77</u>	
		305-4	GHG emissions intensity	<u>76</u>	
		305-5	GHG emission reductions	<u>77</u>	
		305-6	Emissions of ozone-depleting substances (ODS)	<u>80</u>	
		305-7	Emissions of nitrogen oxides, sulfur oxides and other significant gases	<u>80</u>	
Waste Management (Not a Major Issue)	GRI 306 : Waste 2020	306-3	Generation of Waste	<u>81</u>	
		306-4	Transfer of Waste for Disposal	<u>81</u>	
		306-5	Direct Disposal of Waste	<u>81</u>	
Category: Social					
Talent attraction and retention	GRI 3: Management Approach 2021	3-1	Process of Determining Material Topics	<u>21</u>	
		3-2	List of material topics	<u>24</u>	
		3-3	Management of material topics	<u>86</u>	

Topic Disclosures						
Material Topics		Management approach and disclosures			Page No.	Remarks
Category: Social						
Talent attraction and retention	GRI 3: Management Approach 2021	401-1	New employee hires and employee turnover	88, 89		
		401-2	Benefits provided to full-time employees (not include temporary or part-time employees)	93		
		401-3	Parental leave	94		
Occupational Health and Safety	GRI 3 Material Topics 2021	3-1	Process of Determining Material Topics	21		
		3-2	List of material topics	24		
		3-3	Management of material topics	100		
	GRI 403: Occupational Health and Safety 2018	403-1	Occupational Health and Safety management system	101		
		403-2	Hazard identification, risk assessment, and incident investigation	102, 103		
		403-3	Occupational health services	104		
		403-4	Worker participation, consultation, and communication on Occupational Health and Safety	105		
		403-5	Worker training on Occupational Health and Safety	106		
		403-6	Promotion of worker health	105, 106		
		403-7	Prevention and mitigation of Occupational Health and Safety impacts directly linked by business relationships	48, 56, 57, 106		
		403-8	Workers covered by an Occupational Health and Safety management system	107		
		403-9	Work-related injuries	107, 109		
		403-10	Occupational disease	104, 107		
Process Safety Management	GRI 3 Material Topics 2021	3-1	Process of Determining Material Topics	21		
		3-2	List of material topics	24		
		3-3	Management of material topics	110		
	Non-GRI Standards topic, APC specific topic			111		

6.2 United Nations Sustainable Development Goals (SDGs) Contents Index

Material Topics	UN SDGs		Page No.	Corresponding Section
Governance				
Economic Performance	SDG 8.2	Innovation enhances economic capacity	37	2.2 Economic Performance
Technology R&D	SDG 9.5	Increase in R&D expenditure	45, 47	3.1 Technology R&D
	SDG 9.b	High value-added to innovative R&D products		
Supply Chain Management	SDG 12.7	Implement green procurement to practice sustainable purchasing.	50	3.3 Supply Chain Management
Environmental				
Raw material management	SDG 12.5	Reduce resource consumption through recycling and reuse	61	4.1 Resource Management
Water resources management	SDG 6.3, 6.4, 6.5	Implement integrated water resources management, control of effluent quality and recycling and reuse, and improve water use efficiency.	64	
	SDG 12.2	Efficient use of natural resources	63	
Climate change and energy management	SDG 7.3	Enhance energy efficiency	74	4.2 Climate Change and Energy Management
	SDG 7.a	Increase the acquisition channels and investment in clean energy technology	78	
	SDG 13.2, 13.3	The Group sets carbon reduction goals and manages risks and responses to climate change based on national climate change policies and strategies	67, 70	
Air pollution control	SDG 11.6	Reduction of harmful environmental substances, proper waste management	79	4.3 Emissions Management
	SDG 12.4	Reduce air pollutants, waste, and impact on human health and environment		
Social				
Talent attraction and retention	SDG 3.7	Healthcare services for maternity medical care	92, 94, 97	5.2 Talent Development
	SDG 8.5	Equal pay for equal work		5.3 Human Rights Policy
Occupational Health and Safety	SDG 8.7	No child labor, no oppressing of labor.	104, 106 107, 109	5.4 Healthy Workplace
	SDG 3.d	Ability to manage health risks		
	SDG 8.8	Protect labor rights and promote workplace safety		
Process Safety Management	SDG 3.9	Reduce the Frequency-Severity Indicator (FSI) of deaths and diseases caused by hazardous chemicals and pollutants	110	5.4 Healthy Workplace

6.3 SASB Index in Chemicals Industry

Code	Disclosure Content	Performance and Description	Corresponding Section (Material Topics)	Page No.
Metric for Disclosure: Greenhouse Gas Emission				
RT-CH-110a.1	Scope 1 GHG emissions (Mt CO ₂ e); Percentage of Scope 1 GHG emissions covered under emissions-limiting regulations (%)	The Scope 1 GHG emissions in 2023 were 10,275Mt CO ₂ e, accounting for 9.5%	4.2 Climate Change and Energy Management	76
RT-CH-110a.2	Discussion of strategy or plan to manage Scope 1 emissions, emissions reduction targets and an analysis of performance against those targets	Through the ethylene recovery system, ethylene from both in-house and external pipelines is recovered to the production line, and an added composite fuel steam boiler treats the waste oil and tail gas from the process, reducing GHG emissions.	4.3 Emissions Management (Air pollution control)	80
Metric for Disclosure: Air Quality				
RT-CH-120a.1	Air emissions of the following pollutants: (1) Nitrogen Oxides (NOx); (2) Sulfur Oxides (SOx); (3) Volatile Organic Compound (VOCs); (4) hazardous air pollutants (HAPs)	Air emissions of pollutants in 2023: (1) NOx: 5.3MT (2) SOx: 3.9MT (3) VOCs: 32.8MT (4) HAPs: 0.583MT (Vinyl Acetate Monomer, VAM)	4.3 Emissions Management (Air pollution control)	80
Metric for Disclosure: Energy Management				
RT-CH-130a.1	(1) Total energy consumed (GJ); (2) Percentage of grid electricity usage (%); (3) Percentage of renewable energy usage (%); (4) Total self-generated energy (GJ)	Total energy consumed in 2023 (1) was 805,494 GJ; (2) Electricity energy usage was 695,742 GJ, accounting for 86.4% (3) Percentage renewable usage 0% (4) Self-generated energy (solar PV) 2,017 GJ	4.2 Climate Change and Energy Management	75
Metric for Disclosure: Water Management				
RT-CH-140a.1	(1) Total water withdrawn (2) Total water consumption (3) Percentage of operational bases located in "high" or "extremely high" water-stressed regions and the proportion of (1) and (2)	2023 (1) Total Total water withdrawn 489.730 thousand M ³ ; (2) Total water consumption 324.176 thousand M ³ (3) Use of the water risk assessment tool of the World Resources Institute (WRI), Linyuan Plant is not location in regions with "high" or "extremely high" water scarcity region	4.1 Resource Management (Water resource management)	64
RT-CH-140a.2	Number of incidents of non-compliance associated with water quality permits, standards and regulations	All items of discharge water quality control tests in 2023 are within the qualified range, with no violations of discharge permission incidents.	4.1 Resource Management (Water resource management)	65
RT-CH-140a.3	Description of water management risks and discussion of strategies and practices to mitigate those risks	Planned to cooperate with the government's wastewater recycling policy, partly adopting the reclaimed water from the wastewater recycling plant developed by the government as the plant's water supply, achieving a win-win advantage for both the government and corporations.	4.1 Resource Management (Water resource management)	65
Metric for Disclosure: Hazardous Waste Management				
RT-CH-150a.1	Amount of hazardous waste generated, percentage recycled	1. General waste is properly handled by qualified companies approved by the Ministry of Environment 2. There was no hazardous waste generated at the Linyuan Plant in 2023.	4.3 Emissions Management (Non-Material Topic)	82

Code	Disclosure Content	Performance and Description	Corresponding Section (Material Topics)	Page No.
Metric for Disclosure: Workforce Health & Safety				
RT-CH-320a.1	(1) Total recordable incident rate (TRIR) formula: (Number of Incidents x 200,000)/Total Hours Worked; (2) Fatality rate: (a) direct employees; (b) contract employees	1. The Total recordable incident rate (TRIR) in 2023 was 0 2. The fatality rate for both direct employees and contract employees was 0	5.4 Healthy Workplace (Occupational Health and Safety)	107
RT-CH-320a.2	Description of efforts to assess, monitor and reduce exposure of employees and contract employees to long-term (chronic) health risks	1. Linyuan Plant arranged four sessions of health checkups for a total of 210 employees in July 2023 and implemented special health checkups and graded management. 2. The results show that there was neither occupational accident nor health hazard, and all employees needed tier 1 and 2 health management based on the health checkup results.	5.4 Healthy Workplace (Occupational Health and Safety)	104
Metric for Disclosure: Safety & Environmental Stewardship of Chemical				
RT-CH-410b.1	Percentage of products that contain Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Category 1 and 2 Health and Environmental Hazardous Substances (%), percentage of such products that have undergone a hazard assessment (%).	All APC products comply with the relevant legal and regulatory requirements and contain no Health and Environmental Hazardous Substances as categorized in the Globally Harmonized System (GHS).	3.1 Technology R&D	52
RT-CH-410b.2	Discussion of strategy to manage chemicals of concern and develop alternatives with reduced human and environmental impact	Consider the legal and regulatory requirements such as FDA, CNS, JIS, and EU RoHS right from the feasibility assessment of product development to ensure compliance with the standards, regulations, and laws governing human health and environmental impact.	3.1 Technology R&D	48
Metric for Disclosure: Genetically Modified Organism				
RT-CH-410c.1	Percentage of products by revenue that contain genetically modified organisms	APC product falls under plastic materials and does not contain genetically modified organisms	Not applicable	—
Metric for Disclosure: Management of Legal & Regulatory Environment				
RT-CH-530a.1	Discussion of the Company positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry	In day-to-day operations, the company constantly monitors and collects information from government agencies regarding the establishment and amendment of regulations on governance, labor rights, environmental protection, Occupational Health and Safety, and other environmental, social, and governance aspects. It identifies the compliance of these regulations with company operations, updates relevant documents, and conducts risk management or regulatory enforcement.	2.3 Legal compliance (Non-Material Topic)	42
Metric for Disclosure: Operational Safety, Emergency Preparedness & Response				
RT-CH-540a.1	Process Safety Incidents Count (PSIC), Process Safety Total Incident Rate (PSTIR), Process Safety Incident Severity Rate (PSISR)	Process Safety Incidents Count (PSIC) in 2023: 0 incident Process Safety Total Incident Rate (PSTIR): 0 Process Safety Incident Severity Rate (PSISR): 0	5.4 Healthy Workplace (Process Safety Management)	112
RT-CH-540a.2	Number of transport incidents	Transportation safety incidents in 2023: 0 incident	5.4 Healthy Workplace (Process Safety Management)	112

6.4 Sustainability Disclosure Indicators — Plastics Industry

No.	Indicator	Indicator Type	Annual Disclosure	Unit	Corresponding Section	Page No.
1	Total energy consumption, percentage of purchased electricity, utilization rate(renewable energy/total energy), and total self-generated and self-use energy	Quantitative	(1) Total energy consumption: 805,494 (2) Percentage of purchased electricity: 86.4 (3) Utilization rate (renewable energy/total energy): 0 (4) Total self-generated and self-use energy: 0	GJ (%) (%) GJ	4.2 Climate Change and Energy Management	<u>75</u>
2	Total water withdrawn and total water consumption	Quantitative	(1) Total water withdrawn: 489.730 (2) Total water consumption: 324.176	Thousand M ³	4.1 Resource Management	<u>64</u>
3	Total hazardous waste generated, and percentage recycled	Quantitative	(1) Total hazardous waste generated: 0 (2) Percentage recycled: Not applicable	MT (%)	4.3 Emissions management	<u>81</u>
4	Number of employees in and rate of occupational accidents	Quantitative	(1) Number of employees in occupational accidents: 0 (2) Rate of occupational accidents: 0	Person (%)	5.4 Healthy Workplace	<u>107</u> <u>109</u>
5	Production by product category	Quantitative	1. Low Density Polyethylene (LDPE), Production: 31,929 2. Ethylene Vinyl Acetate Copolymer (EVA), Production: 100,312 3. Total Production: 132,241	MT	1.1 About Asia Polymer	<u>11</u>

6.5 Climate-related Financial Disclosures

No.	Item	Implementation Status																																		
1	Describe the supervision and governance of climate-related risks and opportunities by the board of directors and management.	The ESG Committee supervised by the Board is the highest governance body of climate change management chaired by independent directors, it report the climate change implementation planning and performance to the Board every year. The Operations Management Meeting is held monthly and chaired by the Board Chairperson to report the planning and results of material energy conservation and carbon reduction plans.																																		
2	Describe how the identified climate risks and opportunities impact the organization's businesses, strategies, and financial plan (short-term, medium-term, long-term)	<p>Based on the likelihood and impact of climate-related risks and opportunities, we identified 6 major climate-related risks and 4 major climate-related opportunities and assess the duration of impact and potential financial impacts as tabulated below:</p> <table><tr><th>Category</th><th>Related Item</th><th>Duration</th></tr><tr><td rowspan="2">Physical risk</td><td>Flood inundation</td><td>Medium-term (3-7 years)</td></tr><tr><td>Drought</td><td>Short-term (<3 years)</td></tr><tr><td rowspan="4">Transition risk</td><td>Carbon Fee</td><td>Short-term (<3 years)</td></tr><tr><td>Renewable Energy Regulations - Risk of Energy-heavy Industries Clause</td><td>Short-term (<3 years)</td></tr><tr><td>Transition of low-carbon technology</td><td>Short-term (<3 years)</td></tr><tr><td>Increased raw materials price</td><td>Short-term (<3 years)</td></tr></table> <table><tr><th>Category</th><th>Related Item</th><th>Developmental</th><th>Technical Feasibility</th></tr><tr><td rowspan="4">Opportunity</td><td>High-efficiency production</td><td>Progressive and aligned with the existing policies of the company</td><td>Expanding development</td></tr><tr><td>Reduce water usage and water consumption</td><td>Progressive and aligned with the existing policies of the company</td><td>Matured</td></tr><tr><td>Use low-carbon energy</td><td>Progressive and aligned with the existing policies of the company</td><td>Matured</td></tr><tr><td>Development of Low Carbon Goods and Services - Entry into Renewable Energy Market</td><td>Progressive and aligned with the existing policies of the company</td><td>Expanding development</td></tr></table>	Category	Related Item	Duration	Physical risk	Flood inundation	Medium-term (3-7 years)	Drought	Short-term (<3 years)	Transition risk	Carbon Fee	Short-term (<3 years)	Renewable Energy Regulations - Risk of Energy-heavy Industries Clause	Short-term (<3 years)	Transition of low-carbon technology	Short-term (<3 years)	Increased raw materials price	Short-term (<3 years)	Category	Related Item	Developmental	Technical Feasibility	Opportunity	High-efficiency production	Progressive and aligned with the existing policies of the company	Expanding development	Reduce water usage and water consumption	Progressive and aligned with the existing policies of the company	Matured	Use low-carbon energy	Progressive and aligned with the existing policies of the company	Matured	Development of Low Carbon Goods and Services - Entry into Renewable Energy Market	Progressive and aligned with the existing policies of the company	Expanding development
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	Use low-carbon energy	Progressive and aligned with the existing policies of the company	Matured																																	
	Development of Low Carbon Goods and Services - Entry into Renewable Energy Market	Progressive and aligned with the existing policies of the company	Expanding development																																	

No.	Item	Implementation Status																								
3	Describe the financial impact by extreme weather events and transition.	<p>The financial impacts of extreme weather events and transition actions are tabulated below:</p> <table> <tr> <th>Category</th><th>Related Item</th><th>Potential Financial Impact</th></tr> <tr> <td rowspan="3">Physical risk</td><td>Increased severity of extreme weather events</td><td>Increased capital expenditure and decrease in asset value</td></tr> <tr> <td>Changes in precipitation patterns and extreme variability in weather patterns</td><td>Increased capital expenditure and decrease in revenue</td></tr> <tr> <td>Sea level rises</td><td>Increase in capital expenditure</td></tr> <tr> <td rowspan="2">Transition risk</td><td>Enhance GHG Emission Pricing</td><td>Increase in operating costs</td></tr> <tr> <td>Raw material cost rises</td><td>Increase in operating costs</td></tr> <tr> <td rowspan="4">Opportunity</td><td>Participation in renewables projects and adoption of energy conservation measures</td><td>Upfront costs were high, while later carbon emissions were low and operating costs were reduced</td></tr> <tr> <td>Alternative energy / energy diversification</td><td>The initial investment cost was high, but the operating costs decrease yearly in the later period</td></tr> <tr> <td>Participation in carbon trade</td><td>The initial investment in carbon reduction technology was high, but the operating costs decrease yearly afterwards</td></tr> <tr> <td>Use low-carbon energy</td><td>The initial investment cost was high, but the operating costs decrease yearly in the later period</td></tr> </table>	Category	Related Item	Potential Financial Impact	Physical risk	Increased severity of extreme weather events	Increased capital expenditure and decrease in asset value	Changes in precipitation patterns and extreme variability in weather patterns	Increased capital expenditure and decrease in revenue	Sea level rises	Increase in capital expenditure	Transition risk	Enhance GHG Emission Pricing	Increase in operating costs	Raw material cost rises	Increase in operating costs	Opportunity	Participation in renewables projects and adoption of energy conservation measures	Upfront costs were high, while later carbon emissions were low and operating costs were reduced	Alternative energy / energy diversification	The initial investment cost was high, but the operating costs decrease yearly in the later period	Participation in carbon trade	The initial investment in carbon reduction technology was high, but the operating costs decrease yearly afterwards	Use low-carbon energy	The initial investment cost was high, but the operating costs decrease yearly in the later period
Category	Related Item	Potential Financial Impact																								
Physical risk	Increased severity of extreme weather events	Increased capital expenditure and decrease in asset value																								
	Changes in precipitation patterns and extreme variability in weather patterns	Increased capital expenditure and decrease in revenue																								
	Sea level rises	Increase in capital expenditure																								
Transition risk	Enhance GHG Emission Pricing	Increase in operating costs																								
	Raw material cost rises	Increase in operating costs																								
Opportunity	Participation in renewables projects and adoption of energy conservation measures	Upfront costs were high, while later carbon emissions were low and operating costs were reduced																								
	Alternative energy / energy diversification	The initial investment cost was high, but the operating costs decrease yearly in the later period																								
	Participation in carbon trade	The initial investment in carbon reduction technology was high, but the operating costs decrease yearly afterwards																								
	Use low-carbon energy	The initial investment cost was high, but the operating costs decrease yearly in the later period																								
4	Describe how to integrate the process for identifying, assessing, and managing climate risks into the overall risk management system	Identify risks and opportunities based on the TCFD framework, communicate with all responsible units, and confirm by senior management every 3 years. Include them in the annual risk assessment. The president reports the risk control measures and management performance to the Audit Committee and the Board every year.																								
5	When analysis and evaluate resilience to climate change risk on a scenario basis. Describe should include the scenario, parameters, assumptions, analysis factors, and key financial impacts used.	No scenario analysis has been used for assessing the resilience in climate-related risks. We will include scenario analysis in two years.																								
6	If there is a transition strategy in place to address climate-related risks, please describe the content, the indicators and targets utilized to identify and manage physical and transition risks	Plans include: Equipment replacement, construction of renewables facilities, optimization of production scheduling, planning building aircon, energy management systems, extreme weather events contingency plans. Please refer to 4.2 Contents of this report for the details.																								
7	If internal carbon pricing is used as a planning tool, the basis for price determination should be explained.	No assessment tool for internal carbon pricing has been used.																								
8	If climate-related targets are established, details should be outline regarding the covered activities, the scope of GHG emissions, the projected timeline, and the progress achieved annually, etc. If carbon offsets or Renewable Energy Certificates (RECs) are used to meet these targets, the source and quantity of carbon offset credits or Renewable Energy Certificates (RECs) should be disclosed.	Set 2017 as the baseline year and reduction by 27% by 2030 as the carbon reduction target. Every year we disclose the data of Scopes 1 and 2 GHG emissions in the ESG report and review the achievement progress periodically. No REC has been used for carbon reduction so far.																								
9	GHG inventory and verification.	Please refer to Section 4.2 of this report for the details and assurance information on the GHG inventory.																								

6.6 Third-Party Assurance Report

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INDEPENDENT AUDITORS' LIMITED ASSURANCE REPORT

Asia Polymer Corporation

We have undertaken a limited assurance engagement on the selected performance indicators in the Sustainability Report ("the Report") of Asia Polymer Corporation ("the Company") for the year ended December 31, 2023.

Subject Matter Information and Applicable Criteria

See Appendix 1 for the Company's selected performance indicators ("the Subject Matter Information") and applicable criteria.

Responsibilities of Management

The management of the Company is responsible for the preparation of the Subject Matter Information in accordance with Taiwan Stock Exchange Corporation Rules Governing the Preparation and Filing of Sustainability Reports by TWSE Listed Companies, Universal Standards, Sector Standards and Topic Standards published by the Global Reporting Initiative (GRI), and the criteria specifically designed by the Company, and for such internal control as management determines is necessary to enable the preparation of the Subject Matter Information that are free from material misstatement resulted from fraud or error.

Auditors' Responsibilities

Our responsibility is to plan and conduct our limited assurance engagement in accordance with Standard on Assurance Engagement 3000 "Assurance Engagements Other than Audits or Reviews of Historical Financial Information" issued by the Accounting Research and Development Foundation of the Republic of China to issue a limited assurance report on whether the Subject Matter Information (see Appendix 1) is free from material misstatement. The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement and, therefore, a lower assurance level is obtained than a reasonable assurance.

We based on our professional judgment in the planning and conducting of our work to obtain evidence supporting the limited assurance. Because of the inherent limitations of any internal control, there is an unavoidable risk that even some material misstatements may remain undetected. The procedures we performed include, but not limited to:

- Inquiring of management and the personnel responsible for the Subject Matter Information to obtain an understanding of the policies, procedures, internal control, and information system relevant to the Subject Matter Information to identify areas where a material misstatement of the subject matter information is likely to arise.
- Selecting sample items from the Subject Matter Information and performing procedures such as inspection, re-calculation, and observation to obtain evidence supporting limited assurance.

Inherent Limitations

The Subject Matter Information involved non-financial information, which was subject to more inherent limitations than financial information. The information may involve significant judgment, assumptions and interpretations by the management, and the different stakeholders may have different interpretations of such information.

Independence and Quality Control

We have complied with the independence and other ethical requirements of the Norm of Professional Ethics for Certified Public Accountant in the Republic of China, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior.

The firm applies Standard on Quality Management 1 "Quality Management for Public Accounting Firms" issued by the Accounting Research and Development Foundation of the Republic of China, 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.

Conclusion

Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that the Subject Matter Information is not prepared, in all material respects, in accordance with the applicable criteria.

Other Matters

We shall not be responsible for conducting any further assurance work for any change of the Subject Matter Information or the applicable criteria after the issuance date of this report.

The engagement partner on the limited assurance report is Chang, Cheng-Hsiu.

Deloitte & Touche
Taipei, Taiwan
Republic of China

August 5, 2024

Notice to Readers

For the convenience of readers, the independent auditors' limited assurance report and the accompanying summary of subject matter information have been translated into English from the original Chinese version prepared and used in the Republic of China. If there is any conflict between the English version and the original Chinese version or any difference in the interpretation of the two versions, the Chinese-language independent auditors' limited assurance report and summary of subject matter information shall prevail.

APPENDIX

SUMMARY OF SUBJECT MATTER INFORMATION

#	Subject Matter Information	Corresponding Section	Applicable Criteria	Industry-specific Disclosures of the Sustainability Metrics Describe in the Rules Governing the Preparation and Filing of Sustainability Reports - Plastics Industry
1.	Linyuan plant: In 2023, the total energy consumption was 805,494 GJ, the percentage of purchased electricity was 86.4%, the utilization rate (renewable energy/total energy) was 0%, and total self-generated and self-use energy was 0 GJ.	6.4 Sustainability Disclosure Indicators - Plastics Industry	Total energy consumption, percentage of purchased electricity, utilization rate (renewable energy/total energy), and total self-generated and self-use energy	Taiwan Stock Exchange Corporation Rules Governing the Preparation and Filing of Sustainability Reports by TWSE Listed Companies Article 4, Paragraph 3, Appendix 1-5, No. 1
2.	Linyuan plant: In 2023, total water withdrawn was 489,730 thousand M ³ , and total water consumption was 324,176 thousand M ³ .	6.4 Sustainability Disclosure Indicators - Plastics Industry	Total water withdrawn and total water consumption	Taiwan Stock Exchange Corporation Rules Governing the Preparation and Filing of Sustainability Reports by TWSE Listed Companies Article 4, Paragraph 3, Appendix 1-5, No. 2
3.	Linyuan plant: In 2023, total general waste generated was 575.04 MT, and percentage recycled was 40.8%. Total hazardous waste generated was 0 MT, and percentage recycled was not applicable.	4.3 Emissions management 6.4 Sustainability Disclosure Indicators - Plastics Industry	Total general and hazardous waste generated, and percentage recycled	Taiwan Stock Exchange Corporation Rules Governing the Preparation and Filing of Sustainability Reports by TWSE Listed Companies Article 4, Paragraph 3, Appendix 1-5, No. 3
4.	Linyuan plant: In 2023, the number of employees in occupational accidents was 0 person, and the rate of occupational accidents was 0%.	6.4 Sustainability Disclosure Indicators - Plastics Industry	Number of employees in and rate of occupational accidents	Taiwan Stock Exchange Corporation Rules Governing the Preparation and Filing of Sustainability Reports by TWSE Listed Companies Article 4, Paragraph 3, Appendix 1-5, No. 4
5.	Taipei HQ and Linyuan plant: As of December 31, 2023, the proportion of female managements was 4.17%.	5.1 Talent Selection	Proportion of female managements = (Number of female managements)/(Total number of managements as of December 31, 2023) (%). Managements were defined as at the section chiefs level or above.	Not applicable