



ACWA Power Company

2025 CDP Corporate Questionnaire 2025

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C1. Introduction

(1.1) In which language are you submitting your response?

Select from:

☒ English

(1.2) Select the currency used for all financial information disclosed throughout your response.

Select from:

☒ SAR

(1.3) Provide an overview and introduction to your organization.

(1.3.2) Organization type

Select from:

☒ Publicly traded organization

(1.3.3) Description of organization

We are a developer, investor and operator of power generation and desalinated water plants with 94 assets in operation, construction or advanced development across 13 countries (as per end of FY2024)

[Fixed row]

(1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.

(1.4.1) End date of reporting year

12/30/2024

(1.4.2) Alignment of this reporting period with your financial reporting period

Select from:

☒ Yes

(1.4.3) Indicate if you are providing emissions data for past reporting years

Select from:

☒ Yes

(1.4.4) Number of past reporting years you will be providing Scope 1 emissions data for

Select from:

☒ 5 years

(1.4.5) Number of past reporting years you will be providing Scope 2 emissions data for

Select from:

☒ 5 years

(1.4.6) Number of past reporting years you will be providing Scope 3 emissions data for

Select from:

☒ 5 years

[Fixed row]

(1.4.1) What is your organization's annual revenue for the reporting period?

6297298000

(1.5) Provide details on your reporting boundary.

	Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?
	<i>Select from:</i> ☒ Yes

[Fixed row]

(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

ISIN code - bond

(1.6.1) Does your organization use this unique identifier?

Select from:

☒ Yes

(1.6.2) Provide your unique identifier

SA15CGS10H12

ISIN code - equity

(1.6.1) Does your organization use this unique identifier?

Select from:

☒ Yes

(1.6.2) Provide your unique identifier

SA15CGS10H12

CUSIP number

(1.6.1) Does your organization use this unique identifier?

Select from:

☒ No

Ticker symbol

(1.6.1) Does your organization use this unique identifier?

Select from:

☒ Yes

(1.6.2) Provide your unique identifier

2082

SEDOL code

(1.6.1) Does your organization use this unique identifier?

Select from:

☒ No

LEI number

(1.6.1) Does your organization use this unique identifier?

Select from:

☒ Yes

(1.6.2) Provide your unique identifier

D-U-N-S number

(1.6.1) Does your organization use this unique identifier?

Select from:

☒ No

Other unique identifier

(1.6.1) Does your organization use this unique identifier?

Select from:

☒ No

[Add row]

(1.7) Select the countries/areas in which you operate.

Select all that apply

☒ Oman

☒ China

☒ Egypt

☒ Jordan

☒ Turkey

☒ Uzbekistan

☒ Saudi Arabia

☒ South Africa

☒ United Arab Emirates

☒ Bahrain

☒ Morocco

☒ Indonesia

☒ Azerbaijan

☒ Kazakhstan

(1.16) In which part of the electric utilities value chain does your organization operate?

Electric utilities value chain

☒ Electricity generation

(1.16.1) For your electricity generation activities, provide details of your nameplate capacity and electricity generation specifics for each technology employed.

Coal - Hard

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Lignite

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Oil

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ Yes

(1.16.1.2) Nameplate capacity (MW)

6424

(1.16.1.3) Gross electricity generation (GWh)

24155

(1.16.1.4) Net electricity generation (GWh)

20590

(1.16.1.5) Comment

Based on total portfolio and operational assets

Gas

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ Yes

(1.16.1.2) Nameplate capacity (MW)

20296.44

(1.16.1.3) Gross electricity generation (GWh)

101074

(1.16.1.4) Net electricity generation (GWh)

96903

(1.16.1.5) Comment

Based on total portfolio and operational assets

Sustainable biomass

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Other biomass

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Waste (non-biomass)

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Nuclear

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Fossil-fuel plants fitted with carbon capture and storage

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Geothermal

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Hydropower

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Wind

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ Yes

(1.16.1.2) Nameplate capacity (MW)

120

(1.16.1.3) Gross electricity generation (GWh)

401

(1.16.1.4) Net electricity generation (GWh)

401

(1.16.1.5) Comment

Based on total portfolio and operational assets

Solar

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ Yes

(1.16.1.2) Nameplate capacity (MW)

6398

(1.16.1.3) Gross electricity generation (GWh)

11374

(1.16.1.4) Net electricity generation (GWh)

11374

(1.16.1.5) Comment

Based on total portfolio and operational assets

Marine

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Other renewable

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Other non-renewable

(1.16.1.1) Own or control operations which use this power generation source

Select from:

☒ No

(1.16.1.5) Comment

N/A

Total

(1.16.1.2) Nameplate capacity (MW)

33237.94

(1.16.1.3) Gross electricity generation (GWh)

137501

(1.16.1.4) Net electricity generation (GWh)

129270

(1.16.1.5) Comment

Based on total portfolio and operational assets
[Fixed row]

(1.24) Has your organization mapped its value chain?

(1.24.1) Value chain mapped

Select from:

☒ Yes, we have mapped or are currently in the process of mapping our value chain

(1.24.2) Value chain stages covered in mapping

Select all that apply

☒ Upstream value chain

(1.24.3) Highest supplier tier mapped

Select from:

☒ Tier 1 suppliers

(1.24.4) Highest supplier tier known but not mapped

Select from:

☒ All supplier tiers known have been mapped

(1.24.7) Description of mapping process and coverage

At least once per year, the O&M Procurement Leadership Team will undertake a review of all relevant stakeholders within the organization. These stakeholders will all be based within the regions at an operating plant level for O&M requirements. As the first step in this process, the Regional Supply Chain Heads will map out the stakeholders that they and their teams are in contact with within each region. The Regional Supply Chain Heads will then map the outputs of their findings by categorizing in the matrix. The significance is determined by the level of power and the interest.

[Fixed row]

(1.24.1) Have you mapped where in your direct operations or elsewhere in your value chain plastics are produced, commercialized, used, and/or disposed of?

(1.24.1.1) Plastics mapping

Select from:

☒ No, and we do not plan to within the next two years

(1.24.1.5) Primary reason for not mapping plastics in your value chain

Select from:

☒ Judged to be unimportant or not relevant

(1.24.1.6) Explain why your organization has not mapped plastics in your value chain

ACWA Power's primary business revolves around generating power through renewable sources and flexible generation, as well as water desalination. These operations do not directly involve the production, use, or disposal of significant amounts of plastic materials as might be seen in manufacturing, packaging, or consumer goods industries. The infrastructure for renewable energy, such as solar panels, wind turbines, and related components, does contain some plastics. However, these plastics are integrated into the products and are not a principal material or a waste by-product that requires ongoing management. The life-cycle of these components is long, and end-of-life disposal is managed through specific recycling and waste management practices that focus more broadly on electronic waste rather than just plastics. Through our materiality assessment, plastic management ranked very low and deemed to be insignificant comparing to other environmental topics such as emissions, waste and air pollutions that are directly link to our business operations.

[Fixed row]

C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities

(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities?

Short-term

(2.1.1) From (years)

0

(2.1.3) To (years)

3

(2.1.4) How this time horizon is linked to strategic and/or financial planning

The short-term time horizon is where we assessed our near-term activities that can impact our mid-term goals. It acts as enablers for us to achieve our targets set in 2030.

Medium-term

(2.1.1) From (years)

3

(2.1.3) To (years)

10

(2.1.4) How this time horizon is linked to strategic and/or financial planning

Most of our targets set for 2030, which will be a milestone year for ACWA Power.

Long-term

(2.1.1) From (years)

10

(2.1.2) Is your long-term time horizon open ended?

Select from:

☒ Yes

(2.1.4) How this time horizon is linked to strategic and/or financial planning

Long term time horizon is crucial when assessing our risks and opportunities up to 2050 and 2100 for physical risk.
[Fixed row]

(2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts?

	Process in place	Dependencies and/or impacts evaluated in this process
	Select from: ☒ Yes	Select from: ☒ Both dependencies and impacts

[Fixed row]

(2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities?

	Process in place	Risks and/or opportunities evaluated in this process	Is this process informed by the dependencies and/or impacts process?
	<i>Select from:</i> ☒ Yes	<i>Select from:</i> ☒ Both risks and opportunities	<i>Select from:</i> ☒ Yes

[Fixed row]

(2.2.2) Provide details of your organization's process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.

Row 1

(2.2.2.1) Environmental issue

Select all that apply

☒ Climate change

(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(2.2.2.3) Value chain stages covered

Select all that apply

☒ Direct operations

(2.2.2.4) Coverage

Select from:

☒ Full

(2.2.2.7) Type of assessment

Select from:

☒ Qualitative and quantitative

(2.2.2.8) Frequency of assessment

Select from:

☒ Annually

(2.2.2.9) Time horizons covered

Select all that apply

☒ Short-term

☒ Medium-term

☒ Long-term

(2.2.2.10) Integration of risk management process

Select from:

☒ Integrated into multi-disciplinary organization-wide risk management process

(2.2.2.11) Location-specificity used

Select all that apply

☒ Site-specific

☒ Local

☒ Sub-national

☒ National

(2.2.2.12) Tools and methods used

Commercially/publicly available tools

- ☒ TNFD – Taskforce on Nature-related Financial Disclosures

Enterprise Risk Management

- ☒ Enterprise Risk Management
- ☒ ISO 31000 Risk Management Standard
- ☒ Stress tests

International methodologies and standards

- ☒ Environmental Impact Assessment
- ☒ IPCC Climate Change Projections

Databases

- ☒ Nation-specific databases, tools, or standards

Other

- ☒ Scenario analysis
- ☒ Desk-based research
- ☒ External consultants
- ☒ Materiality assessment
- ☒ Internal company methods
- ☒ Other, please specify :**REMIND-MAgPIE Model, NGFS Climate Impact Explorer**

(2.2.2.13) Risk types and criteria considered

Acute physical

- ☒ Drought
- ☒ Tornado
- ☒ Wildfires
- ☒ Heat waves
- ☒ Cold wave/frost
- ☒ Cyclones, hurricanes, typhoons
- ☒ Heavy precipitation (rain, hail, snow/ice)
- ☒ Flood (coastal, fluvial, pluvial, ground water)
- ☒ Storm (including blizzards, dust, and sandstorms)

Chronic physical

- ☑ Heat stress
- ☑ Water stress
- ☑ Sea level rise
- ☑ Coastal erosion
- ☑ Change in land-use
- ☑ Precipitation or hydrological variability
- ☑ Increased severity of extreme weather events
- ☑ Water availability at a basin/catchment level
- ☑ Changing temperature (air, freshwater, marine water)
- ☑ Changing precipitation patterns and types (rain, hail, snow/ice)
- ☑ Permafrost thawing
- ☑ Ocean acidification
- ☑ Changing wind patterns
- ☑ Temperature variability
- ☑ Water quality at a basin/catchment level

Policy

- ☑ Carbon pricing mechanisms
- ☑ Changes to national legislation
- ☑ Poor coordination between regulatory bodies
- ☑ Poor enforcement of environmental regulation
- ☑ Increased difficulty in obtaining operations permits
- ☑ Changes to international law and bilateral agreements
- ☑ Lack of mature certification and sustainability standards

Market

- ☑ Availability and/or increased cost of certified sustainable material
- ☑ Availability and/or increased cost of raw materials
- ☑ Changing customer behavior
- ☑ Uncertainty in the market signals

Reputation

- ☑ Increased partner and stakeholder concern and partner and stakeholder negative feedback
- ☑ Negative press coverage related to support of projects or activities with negative impacts on the environment (e.g. GHG emissions, deforestation & conversion, water stress)
- ☑ Stakeholder conflicts concerning water resources at a basin/catchment level
- ☑ Stigmatization of sector

Technology

- ☒ Dependency on water-intensive energy sources
- ☒ Transition to lower emissions technology and products
- ☒ Transition to water intensive, low carbon energy sources
- ☒ Unsuccessful investment in new technologies

Liability

- ☒ Exposure to litigation
- ☒ Non-compliance with regulations

(2.2.2.14) Partners and stakeholders considered

Select all that apply

- ☒ Customers
- ☒ Employees
- ☒ Investors
- ☒ Local communities
- ☒ Regulators

(2.2.2.15) Has this process changed since the previous reporting year?

Select from:

- ☒ Yes

(2.2.2.16) Further details of process

The scope of our climate risk assessment extends across all geographies where we operate, ensuring a thorough understanding of both global and localised environmental impacts on our business. This year we have covered both physical risk and transition climate risk. We have utilised integrated assessment framework (REMIND-MAgPIE Model) that simulates the interplay between economic development and technological evolution in the energy sector under various climate policy scenarios. On top of that, we have also utilised NGFS Climate Impact Explore and WEO 2024 Data in our assessment. Variables such as carbon pricing, demand and supply dynamics, and technological costs were considered in our evaluations. ACWA Power has chosen three scenarios (Delayed Transition, Current Policy, and Fragmented World) that are closest to the reality of future development, which aim to provide sufficiently distinct and plausible future to help us test the resilience of our business model and strategy, identify and assess climate related risks and opportunities. In conducting our climate risk assessment, ACWA Power has

designated key reference years that align with our strategic planning timeline: 2025 for short-term goals, 2030 for mid-term objectives, and 2050 for long-term aspirations. We have disclosed the result and findings in our integrated annual report 2024, page 108-115.

Row 2

(2.2.2.1) Environmental issue

Select all that apply

- ☒ Water

(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(2.2.2.3) Value chain stages covered

Select all that apply

- ☒ Direct operations

(2.2.2.4) Coverage

Select from:

- ☒ Full

(2.2.2.7) Type of assessment

Select from:

- ☒ Qualitative and quantitative

(2.2.2.8) Frequency of assessment

Select from:

- ☒ Annually

(2.2.2.9) Time horizons covered

Select all that apply

- ☒ Short-term
- ☒ Medium-term
- ☒ Long-term

(2.2.2.10) Integration of risk management process

Select from:

- ☒ Integrated into multi-disciplinary organization-wide risk management process

(2.2.2.11) Location-specificity used

Select all that apply

- ☒ Site-specific
- ☒ Local
- ☒ Sub-national
- ☒ National

(2.2.2.12) Tools and methods used

Commercially/publicly available tools

- ☒ WRI Aqueduct
- ☒ WWF Water Risk Filter

Enterprise Risk Management

- ☒ Enterprise Risk Management

☒ ISO 31000 Risk Management Standard

☒ Risk models

International methodologies and standards

☒ Environmental Impact Assessment

☒ ISO 14001 Environmental Management Standard

☒ ISO 14046 Environmental Management – Water Footprint

Databases

☒ FAO/AQUASTAT

☒ Nation-specific databases, tools, or standards

☒ Regional government databases

Other

☒ Scenario analysis

☒ Desk-based research

☒ Materiality assessment

☒ Internal company methods

☒ Source Water Vulnerability Assessment

☒ Partner and stakeholder consultation/analysis

(2.2.2.13) Risk types and criteria considered

Acute physical

☒ Drought

☒ Heat waves

☒ Toxic spills

☒ Pollution incident

☒ Heavy precipitation (rain, hail, snow/ice)

☒ Flood (coastal, fluvial, pluvial, ground water)

☒ Storm (including blizzards, dust, and sandstorms)

Chronic physical

☒ Water stress

☒ Ocean acidification

- ☑ Sea level rise
- ☑ Coastal erosion
- ☑ Soil degradation
- ☑ Change in land-use
- ☑ Increased ecosystem vulnerability
- ☑ Water quality at a basin/catchment level
- ☑ Increased severity of extreme weather events
- ☑ Water availability at a basin/catchment level
- ☑ Changing temperature (air, freshwater, marine water)

Policy

- ☑ Increased pricing of water
- ☑ Limited or lack of river basin management
- ☑ Poor enforcement of environmental regulation
- ☑ Increased difficulty in obtaining operations permits
- ☑ Increased difficulty in obtaining water withdrawals permit

Market

- ☑ Availability and/or increased cost of certified sustainable material
- ☑ Availability and/or increased cost of raw materials

Reputation

- ☑ Impact on human health
- ☑ Stakeholder conflicts concerning water resources at a basin/catchment level

Technology

- ☑ Dependency on water-intensive energy sources
- ☑ Transition to water efficient and low water intensity technologies and products
- ☑ Transition to water intensive, low carbon energy sources
- ☑ Unsuccessful investment in new technologies

- ☑ Groundwater depletion
- ☑ Declining water quality
- ☑ Temperature variability
- ☑ Declining ecosystem services
- ☑ Changing precipitation patterns and types (rain, hail, snow/ice)
- ☑ Increased levels of environmental pollutants in freshwater bodies

- ☑ Statutory water withdrawal limits/changes to water allocation
- ☑ Mandatory water efficiency, conservation, recycling, or process standards

Liability

- ☒ Exposure to litigation
- ☒ Non-compliance with regulations

(2.2.2.14) Partners and stakeholders considered

Select all that apply

- ☒ Customers
- ☒ Employees
- ☒ Investors
- ☒ Local communities
- ☒ Water utilities at a local level
- ☒ Other water users at the basin/catchment level

(2.2.2.15) Has this process changed since the previous reporting year?

Select from:

- ☒ Yes

(2.2.2.16) Further details of process

At ACWA Power, understanding the relationship between water and our business is crucial, given our operational footprints in regions prone to water stress. This relationship is governed by our dependencies on water for operational needs and our potential impact on local water resources. Specifically, our focus is sharpened on three dimensions of water stress: scarcity, quality, and access. The risk assessment outcomes are integrated into the business strategy. To systematically assess and address these issues, we use the Aqueduct Water Risk Atlas v4.0, developed by World Resources Institute (WRI). This tool enables us to analyse baseline water stress around our operating asset locations under various future scenarios – Business as Usual (BAU), Optimistic, and Pessimistic – projecting changes up to the years 2030 (2015–2045), 2050 (2035–2065), and 2080 (2065–2095). The ‘BAU’ scenario represents a middle-of-the-road future that is similar to NGFS’s fragmented world scenario. It is a scenario characterised by regional competition and inequality, including slow economic growth, weak governance and institutions, low investment in the environment and technology, and high population growth, especially in developing countries. The ‘optimistic’ scenario represents a future that limits the rise in average global surface temperatures by 2100 to below 2°C, which is aligned to NGFS’s delayed transition. It is characterised by sustainable socioeconomic growth, stringent environmental regulations and effective institutions, rapid technological change and improved water use efficiencies. The ‘pessimistic’ scenario represents a future where insufficient mitigation efforts lead to severe temperature increases and high levels of impact. The assessment has been conducted for the existing power and water desalination operating assets. This comprehensive approach helps us navigate the complexities of water management in a changing climate, ensuring sustainable operations while mitigating water-related risks. We have disclosed findings in our integrated annual report, page 132. Other factors that impact the water risks are also included in climate risk assessment, on page 108-115.

[Add row]

(2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed?

(2.2.7.1) Interconnections between environmental dependencies, impacts, risks and/or opportunities assessed

Select from:

☒ Yes

(2.2.7.2) Description of how interconnections are assessed

Part of a formal risk and impact assessment process. It is also integrated into our Enterprise Risk Management process, where we review the risk, opportunities, dependencies and impacts on the quarterly basis.

[Fixed row]

(2.3) Have you identified priority locations across your value chain?

(2.3.1) Identification of priority locations

Select from:

☒ Yes, we have identified priority locations

(2.3.2) Value chain stages where priority locations have been identified

Select all that apply

☒ Direct operations

(2.3.3) Types of priority locations identified

Sensitive locations

☒ Areas important for biodiversity

☒ Areas of high ecosystem integrity

☒ Areas of rapid decline in ecosystem integrity

☒ Areas of limited water availability, flooding, and/or poor quality of water

- ☒ Areas of importance for ecosystem service provision

(2.3.4) Description of process to identify priority locations

At ACWA Power, we are committed to monitoring, assessing, and transparently disclosing our biodiversity risks, dependencies and impacts, in alignment with the Kunming-Montreal Global Biodiversity Framework (target 15) and GRI Standards. To safeguard biodiversity, we establish a buffer zone of at least 5 kms around each project boundary, adhering to best practices that relate to interactions with protected nature conservation areas and key biodiversity areas. Our approach is guided by compliance with International Union for Conservation of Nature (IUCN) protected area management categories, the Ramsar Convention, CBD, lenders and national regulations. As part of our transparency, we report on assets located within or near key biodiversity areas and assess the potential risks to species and ecosystem, in addition to reporting on actions we take to conserve, restore and offset our impact. We prioritise disclosure of species that have IUCN conservation status (near threatened, critically endangered, endangered and vulnerable) identified within our asset's areas. For more detailed list of species assessments, mitigation measures and biodiversity management measures please refer to the ESIA reports available on our website.

(2.3.5) Will you be disclosing a list/spatial map of priority locations?

Select from:

- ☒ Yes, we will be disclosing the list/geospatial map of priority locations

(2.3.6) Provide a list and/or spatial map of priority locations

Priority location from acwa_power_eng_ar24.pdf
[Fixed row]

(2.4) How does your organization define substantive effects on your organization?

Risks

(2.4.1) Type of definition

Select all that apply

- ☒ Qualitative

(2.4.6) Metrics considered in definition

Select all that apply

- ☒ Likelihood of effect occurring
- ☒ Other, please specify :Impact scoring

(2.4.7) Application of definition

We are using a matrix approach where a risk is assessed by impact scoring (from negligible to catastrophic) and likelihood (from remote (probability is <5%) to likely (probability >50%)). Moreover, Risk velocity is a criterion used in risk assessments in conjunction with risk impact and likelihood. Velocity is a measure of how quickly the estimated impact of a specific risk once the risk event has occurred (Time to Impact approach).

Opportunities

(2.4.1) Type of definition

Select all that apply

- ☒ Qualitative

(2.4.6) Metrics considered in definition

Select all that apply

- ☒ Other, please specify :Current control effectiveness

(2.4.7) Application of definition

The degree to which existing controls mitigates the risk. It is evaluated against 1 to 7 scale. 1 being fully managed (best-in-class) while 7 being ineffective (no mitigation). This is used to identify opportunities in place to reduce the risks.

[Add row]

(2.5) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?

	Identification and classification of potential water pollutants	How potential water pollutants are identified and classified
	<i>Select from:</i> ☒ Yes, we identify and classify our potential water pollutants	<i>comprehensive risk assessment, impact assessment and management plan that include material safety data.</i>

[Fixed row]

(2.5.1) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Row 1

(2.5.1.1) Water pollutant category

Select from:

☒ Inorganic pollutants

(2.5.1.2) Description of water pollutant and potential impacts

One of the important water pollutants from water desalination operations is brine discharge. It consists of highly concentrated salt water that is discharge back to the ocean.

(2.5.1.3) Value chain stage

Select all that apply

☒ Direct operations

(2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

- ☒ Water recycling
- ☒ Resource recovery
- ☒ Provision of best practice instructions on product use
- ☒ Implementation of integrated solid waste management systems
- ☒ Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements
- ☒ Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience

(2.5.1.5) Please explain

We rigorously monitor and manage key water quality metrics related to discharge, such as Temperature and Total Dissolved Solids (TDS) within the designated mixing zone, to ensure compliance with local regulations. In addition, continuous monitoring of biodiversity and aquatic life is conducted to identify and avoid any potential negative impacts. Other measures: • Early site selection to avoid sensitive habitats. • High-efficiency multiport diffusers to ensure optimal initial dilution of brine. • Advanced hydrodynamic modelling to maximise brine dilution and minimise environmental impact. • Real-time monitoring and extensive marine surveys during both construction and operation phases. We have made significant strides in increasing the efficiency of the reverse osmosis (RO) process, enhancing water recovery rates from 37% to 45%, moving closer to the thermodynamic limit of 60% at 70 bar. This high recovery rate reduces the volume of brine discharge and minimises the intake of juvenile fish and larvae. Our plants also optimise chemical usage, further reducing environmental impacts.

Row 2

(2.5.1.1) Water pollutant category

Select from:

- ☒ Oil

(2.5.1.2) Description of water pollutant and potential impacts

used in mobile plant and many large installations; trace amounts can significantly impact aquatic systems

(2.5.1.3) Value chain stage

Select all that apply

- ☒ Direct operations

(2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

- ☒ Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience
- ☒ Resource recovery
- ☒ Implementation of integrated solid waste management systems

(2.5.1.5) Please explain

environmental management plans included in procedures for all operations

[Add row]

C3. Disclosure of risks and opportunities

(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

Climate change

(3.1.1) Environmental risks identified

Select from:

☒ Yes, both in direct operations and upstream/downstream value chain

Water

(3.1.1) Environmental risks identified

Select from:

☒ Yes, both in direct operations and upstream/downstream value chain

Plastics

(3.1.1) Environmental risks identified

Select from:

☒ No

(3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

☒ Not an immediate strategic priority

(3.1.3) Please explain

Plastics are recognised as an environmental hazard within our organisation, but are of relatively lower significance (relative to water, climate change and biodiversity loss) and have thus not yet been prioritised.

[Fixed row]

(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

Climate change

(3.1.1.1) Risk identifier

Select from:

☒ Risk1

(3.1.1.3) Risk types and primary environmental risk driver

Policy

☒ Carbon pricing mechanisms

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☒ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☒ Oman

☒ Egypt

☒ Jordan

☒ Morocco

☒ Indonesia

☒ Azerbaijan

- ☒ Turkey
- ☒ Bahrain
- ☒ South Africa
- ☒ United Arab Emirates

- ☒ Uzbekistan
- ☒ Saudi Arabia

(3.1.1.9) Organization-specific description of risk

This risk is mostly related to policy and legal such as: -Carbon pricing mechanisms - Changes to national legislation - Poor enforcement of environmental regulation - Mandates on and regulation of existing products and services. For example, mandatory carbon regulatory regimes: changes in climate-related performance criteria for projects may adversely impact: - Income statement: increased direct costs due to carbon taxes. -Cash flow statement: increased operational costs due to carbon taxes lead to reduced net cash.

(3.1.1.11) Primary financial effect of the risk

Select from:

- ☒ Increased cost of capital

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Medium-term
- ☒ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

- ☒ More likely than not

(3.1.1.14) Magnitude

Select from:

- ☒ Medium-low

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

36% of our assets relying on fossil fuel. Applying the average carbon price, we are able to quantify the associated financial effect.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ Yes

(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

100000000

(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

6000000000

(3.1.1.23) Anticipated financial effect figure in the long-term – minimum (currency)

1000000000

(3.1.1.24) Anticipated financial effect figure in the long-term – maximum (currency)

10000000000

(3.1.1.25) Explanation of financial effect figure

The carbon pricing is based on NGFS REMIND-MAgPIE Model to determine the future potential carbon price. Up to 2030, it is anticipated to be USD 3.19 and up to 2050, it is around US 150 per tonnes of CO₂e. Multiplying with the future emissions forecast, to offset, we are assuming the worst case scenario where we are not able to reduce our emission. Hence, the disclosed values are at its maximum value.

(3.1.1.26) Primary response to risk

Diversification

☒ Develop new products, services and/or markets

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

Unable to provide as it involves multiples programs and initiatives such as carbon emission reduction.

(3.1.1.29) Description of response

We have continuously increasing our renewable portfolio and have set a corporate wide target relating to the percentage of renewable portfolio (70% by 2030). Note that our previous target of 50% renewable portfolio has been achieved in 2024, six years ahead of its time. Subsequently, we have committed to a more ambitious target of reaching 70% of renewable energy portfolio by 2030. With the new strategy, more than 75% power additions will come from renewable energy. We are also the first mover in building a large scale green hydrogen plant, exploring the alternative sources of energy. We are constructing the largest green hydrogen plant in the world in NEOM Saudi Arabia. Apart from that, we are also advancing rapidly in battery storage system, aiming to complement our solar and wind energy plants.

Water

(3.1.1.1) Risk identifier

Select from:

☒ Risk6

(3.1.1.3) Risk types and primary environmental risk driver

Liability

☒ Non-compliance with legislation

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☒ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

- | | |
|--|--|
| ☒ Oman | ☒ Morocco |
| ☒ Egypt | ☒ Indonesia |
| ☒ Jordan | ☒ Azerbaijan |
| ☒ Turkey | ☒ Uzbekistan |
| ☒ Bahrain | ☒ Saudi Arabia |
| ☒ South Africa | |
| ☒ United Arab Emirates | |

(3.1.1.7) River basin where the risk occurs

Select all that apply

- ☒ Other, please specify :We have 0.06% freshwater withdrawal out of total water withdrawal. Majority of our water withdrawal comes from sea. The freshwater sources are coming from third-party, or local water well.

(3.1.1.9) Organization-specific description of risk

chemical or fuel spills on site or on transport routes to sites and discharge of brine may potentially occur and could exceed regulatory limits in the case of an accident

(3.1.1.11) Primary financial effect of the risk

Select from:

- ☒ Fines, penalties or enforcement orders

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Short-term
☒ Medium-term
☒ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☒ About as likely as not

(3.1.1.14) Magnitude

Select from:

☒ Medium-low

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Minimum effect on financial performance as we have internal control and management system to mitigate the risk.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ No

(3.1.1.26) Primary response to risk

Compliance, monitoring and targets

☒ Implementation of environmental best practices in direct operations

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

Cost of response to risk is unable to identify at this stage

(3.1.1.29) Description of response

Minimising the environmental impact of brine discharges, requires an integrated project development approach. • Early site selection to avoid sensitive habitats. • High-efficiency multiport diffusers to ensure optimal initial dilution of brine. • Advanced hydrodynamic modelling to maximise brine dilution and minimise environmental impact. • Real-time monitoring and extensive marine surveys during both construction and operation phases. We have made significant strides in increasing the efficiency of the reverse osmosis (RO) process, enhancing water recovery rates from 37% to 45%, moving closer to the thermodynamic limit of 60% at 70 bar. This high recovery rate reduces the volume of brine discharge and minimises the intake of juvenile fish and larvae. Our plants also optimise chemical usage, further reducing environmental impacts. A key achievement in our operational strategy is the transition from thermal desalination to more sustainable SWRO technologies. For instance, the Taweelah IWP in UAE, the world's largest SWRO plant, derives a third of its energy from on-site PV, while our Red Sea Global RO units are powered entirely by renewable energy. This shift significantly reduces both the thermal impact on marine environment and our carbon footprint. Looking forward, we are exploring innovative solutions such as brine mining and the potential for Zero Liquid Discharge systems to further reduce environmental impacts. Our long-term collaboration with renowned marine consultants ensures continuous improvement in our operational processes and environmental strategies.

Climate change

(3.1.1.1) Risk identifier

Select from:

☒ Risk2

(3.1.1.3) Risk types and primary environmental risk driver

Chronic physical

☒ Temperature variability

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☒ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☒ Egypt

☒ Jordan

☒ Turkey

☒ Azerbaijan

☒ Uzbekistan

☒ Saudi Arabia

- ☒ Bahrain
- ☒ Morocco

- ☒ South Africa
- ☒ United Arab Emirates

(3.1.1.9) Organization-specific description of risk

increasing maximum temperatures may have impacts ranging from decreased plant efficiencies to worker heat stress and reduced outdoor working hours

(3.1.1.11) Primary financial effect of the risk

Select from:

- ☒ Decreased revenues due to reduced production capacity

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Short-term
- ☒ Medium-term
- ☒ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

- ☒ Likely

(3.1.1.14) Magnitude

Select from:

- ☒ Medium

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

The temperature variation is longer term effect that might impact the operational efficiency. However, the impact is estimated to be very minimal as the current equipment in operations are able to withstand the temperature variations. Regular maintenance to ensure the physical risk impact is minimized.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ No

(3.1.1.26) Primary response to risk

Infrastructure, technology and spending

☒ Increase investment in R&D

(3.1.1.27) Cost of response to risk

20000000

(3.1.1.28) Explanation of cost calculation

In 2024, we have invested around USD 5 million into R&D projects initiatives and we have launch Shanghai Innovation Centre.

(3.1.1.29) Description of response

In 2023, we have filed 15 patents and 36 live projects including pilot and demo plants to continuously innovate in improving our operations efficiency. ACWA Power's strategy for technology innovation and R&D emphasizes collaboration and involves partnerships with R&D partners, original equipment manufacturers (OEMs) and start-ups, rather than relying solely on an in-house R&D unit. We partner with leading universities in the Kingdom, technology companies, and strategic partners through an open innovation system.

Climate change

(3.1.1.1) Risk identifier

Select from:

☒ Risk3

(3.1.1.3) Risk types and primary environmental risk driver

Market

- ☒ Changing customer behavior

(3.1.1.4) Value chain stage where the risk occurs

Select from:

- ☒ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

- | | |
|--|--|
| ☒ Oman | ☒ Morocco |
| ☒ Egypt | ☒ Indonesia |
| ☒ Jordan | ☒ Azerbaijan |
| ☒ Turkey | ☒ Uzbekistan |
| ☒ Bahrain | ☒ Saudi Arabia |
| ☒ South Africa | |
| ☒ United Arab Emirates | |

(3.1.1.9) Organization-specific description of risk

This risk is mainly associated with market, such as: - Availability and/or increased cost of raw materials - Changing customer behavior - Abrupt shifts in energy costs
The main financial impact are: - Change in revenue mix and sources. - Re-pricing of assets - Cost associates to retrofit / adapt to lower emissions fuel sources

(3.1.1.11) Primary financial effect of the risk

Select from:

- ☒ Change in revenue mix and sources

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Medium-term

☒ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☒ Likely

(3.1.1.14) Magnitude

Select from:

☒ Medium-low

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

From 4% (oil asset only) to 36% (both gas and oil) of our assets.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ Yes

(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

0

(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

100000000

(3.1.1.23) Anticipated financial effect figure in the long-term – minimum (currency)

1000000000

(3.1.1.24) Anticipated financial effect figure in the long-term – maximum (currency)

5000000000

(3.1.1.25) Explanation of financial effect figure

Conservatively: 250 billion AUM, 10% fossil fuel portfolio and its value readjusted 2%

(3.1.1.26) Primary response to risk

Diversification

☒ Market expansion

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

Unable to provide cost to respond to risk. We have continued expanding the market. We have recently signed multiple MoUs with Malaysia, Philippine, Thailand and China where these are our new market, apart from MENA and Central Asia regions.

(3.1.1.29) Description of response

- Under Strategy 2.0, ACWA Power will primarily invest renewable energy; more than 75% of power addition will be renewables. - ACWA Power will not invest in carbon intensive project such as coal. - Development of Battery Energy Storage Systems (BESS) -Increase penetration of renewables and storage resulting from the economy decarbonization.

Climate change

(3.1.1.1) Risk identifier

Select from:

☒ Risk4

(3.1.1.3) Risk types and primary environmental risk driver

Technology

- ☒ Transition to lower emissions technology and products

(3.1.1.4) Value chain stage where the risk occurs

Select from:

- ☒ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

- | | |
|--|--|
| ☒ Oman | ☒ Morocco |
| ☒ China | ☒ Indonesia |
| ☒ Egypt | ☒ Azerbaijan |
| ☒ Turkey | ☒ Uzbekistan |
| ☒ Bahrain | ☒ Saudi Arabia |
| ☒ South Africa | |
| ☒ United Arab Emirates | |

(3.1.1.9) Organization-specific description of risk

This risk is associated with technology aspects such as: - Substitution of existing technology with lower emissions and more affordable options - Unsuccessful investment in new technologies - Costs to transition to lower emissions technology. The potential financial impact are: - Early retirement of existing assets. - R&D expenditure in new technologies. - Capital investment in new technologies. - Costs to adopt new practices and processes.

(3.1.1.11) Primary financial effect of the risk

Select from:

- ☒ Decreased asset value or asset useful life leading to write-offs, asset impairment or early retirement of existing assets

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☒ Medium-term

☒ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☒ About as likely as not

(3.1.1.14) Magnitude

Select from:

☒ Low

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

The technology in risk is Concentrated Solar Power (CSP) assets where currently we have 6% in our total portfolio, due to other more efficient solar technology.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ No

(3.1.1.26) Primary response to risk

Diversification

☒ Develop new products, services and/or markets

(3.1.1.27) Cost of response to risk

0

(3.1.1.28) Explanation of cost calculation

Unable to provide cost to risk response.

(3.1.1.29) Description of response

- Investment in large scale green hydrogen plant - Green hydrogen co-fire - R&D in efficiency improvement - Pioneer in the alternative fuels technology such as green hydrogen

Climate change

(3.1.1.1) Risk identifier

Select from:

☒ Risk5

(3.1.1.3) Risk types and primary environmental risk driver

Reputation

☒ Negative press coverage related to support of projects or activities with negative impacts on the environment (e.g. GHG emissions, deforestation & conversion, water stress)

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☒ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☒ China

☒ Egypt

☒ Jordan

☒ Bahrain

☒ Morocco

☒ Indonesia

☒ Azerbaijan

☒ Uzbekistan

☒ Saudi Arabia

☒ South Africa

(3.1.1.9) Organization-specific description of risk

The risk is associated with risk aspects such as: - Negative press coverage related to support of projects or activities with negative impacts. - Not able to fulfil our committed target such as net zero target by 2050 and emission intensity reduction by 2030. - Inaccurate climate disclosures leads to greenwashing claim. - Increased stakeholder concern on our climate related performance and negative feedback The potential financial impact are: - Reduced revenue from decreased production capacity due to delayed in planning and approval. - Reduce revenue from negative impacts on workforce management and planning. - Reduction in capital availability due to damage of brand value.

(3.1.1.11) Primary financial effect of the risk

Select from:

☒ Decreased access to capital

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☒ Medium-term

☒ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☒ About as likely as not

(3.1.1.14) Magnitude

Select from:

☒ Medium-low

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Reputational risk

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ No

(3.1.1.26) Primary response to risk

Engagement

☒ Engage in multi-stakeholder initiatives

(3.1.1.27) Cost of response to risk

5000000

(3.1.1.28) Explanation of cost calculation

This is just an estimate cost to risk response as we spent this amount to ensure our disclosures are legitimate and reasonable by having external party review and verified.

(3.1.1.29) Description of response

- Disclosures are aligned to international framework such as GRI and SASB. - Development of internal standard and procedures that aligns to international framework. - Conduct third party assurance on key metrics and commitment to ensure accuracy of disclosures. - Continuous stakeholder engagements to build trust - Supplier screening and due diligence process - Third party controversy screening from ESG rating agencies.

Water

(3.1.1.1) Risk identifier

Select from:

☒ Risk7

(3.1.1.3) Risk types and primary environmental risk driver

Chronic physical

☒ Water stress

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☒ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☒ Oman

☒ China

☒ Egypt

☒ Jordan

☒ Turkey

☒ South Africa

☒ United Arab Emirates

☒ Bahrain

☒ Indonesia

☒ Azerbaijan

☒ Uzbekistan

☒ Saudi Arabia

(3.1.1.7) River basin where the risk occurs

Select all that apply

☒ Nile

☒ Other, please specify :Kizlirmark River, Jordan River

(3.1.1.9) Organization-specific description of risk

Freshwater availability for the operation is in high risk due to climate change

(3.1.1.11) Primary financial effect of the risk

Select from:

☒ Disruption in production capacity

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☒ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☒ More likely than not

(3.1.1.14) Magnitude

Select from:

☒ Low

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Water stress risk

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ No

(3.1.1.26) Primary response to risk

Infrastructure, technology and spending

☒ Adopt water efficiency, water reuse, recycling and conservation practices

(3.1.1.27) Cost of response to risk

10000000

(3.1.1.28) Explanation of cost calculation

This is an estimation of the freshwater displacement cost. The freshwater usage for the whole acwa power operation is around 0.05%, of the total water withdrawal.

(3.1.1.29) Description of response

The freshwater consumption for the whole acwa power operations is around 0.05%. Majority of our water source is seawater. Based on our water risk assessment by using WRI Aqueduct tool, the water risk has remained consistent up to 2100. ACWA Power as one of the world's largest desalination water companies, had provided 192 times more freshwater to water stress regions than it withdrew, exemplifies a commitment to sustainable water management by operating as a water-positive entity. More information can refer to IAR 2024 page 132.

[Add row]

(3.1.2) Provide the amount and proportion of your financial metrics from the reporting year that are vulnerable to the substantive effects of environmental risks.

Climate change

(3.1.2.1) Financial metric

Select from:

☒ Assets

(3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)

73586817750

(3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue

Select from:

☒ 31-40%

(3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)

(3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue

Select from:

☒ 71-80%**(3.1.2.7) Explanation of financial figures**

Fossil fuel assets project cost is around 40% that are vulnerable to climate transitional risk. This financial figure only covers fully constructed and operated assets. For physical risk, almost all assets faced physical climate risk to some degrees. However, based on our analysis, the main threats are heat waves, average rise in temperature and drought. The amount provided is related to project cost (acwa power shares) that covers already installed and operating assets only (about 72% of our total asset value in 2024).

Water**(3.1.2.1) Financial metric**

Select from:

☒ Assets**(3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)**

5720724375

(3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue

Select from:

☒ 1-10%**(3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)**

6297298

(3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue

Select from:

☒ Less than 1%

(3.1.2.7) Explanation of financial figures

Water related transitional risk is affecting thermal water desalination assets that are based on fossil fuel, which is around 3% of our total asset project cost. For physical risk, around 0.1% of our assets rely on freshwater.

[Add row]

(3.2) Within each river basin, how many facilities are exposed to substantive effects of water-related risks, and what percentage of your total number of facilities does this represent?

Row 1

(3.2.1) Country/Area & River basin

Egypt

☒ Nile

(3.2.2) Value chain stages where facilities at risk have been identified in this river basin

Select all that apply

☒ Direct operations

(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

4

(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

Select from:

☒ 1-25%

(3.2.8) % organization's annual electricity generation that could be affected by these facilities

Select from:

☒ Less than 1%

(3.2.10) % organization's total global revenue that could be affected

Select from:

☒ Less than 1%

(3.2.11) Please explain

We have a total 4 operating solar plants near Nile basin in Egypt, which produce roughly 0.9% of our total power capacity.

Row 2

(3.2.1) Country/Area & River basin

Turkey

☒ Kizilirmak

(3.2.2) Value chain stages where facilities at risk have been identified in this river basin

Select all that apply

☒ Direct operations

(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

1

(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

Select from:
☒ Less than 1%

(3.2.8) % organization’s annual electricity generation that could be affected by these facilities

Select from:
☒ Less than 1%

(3.2.10) % organization’s total global revenue that could be affected

Select from:
☒ Less than 1%

(3.2.11) Please explain

This is the asset where we rely on freshwater.
[Add row]

(3.3) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

	Water-related regulatory violations	Comment
	Select from: ☒ No	We do not have any fine related to water related activities.

[Fixed row]

(3.5) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

Select from:

☒ No, and we do not anticipate being regulated in the next three years

(3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

	Environmental opportunities identified
Climate change	Select from: ☒ Yes, we have identified opportunities, and some/all are being realized
Water	Select from: ☒ Yes, we have identified opportunities, and some/all are being realized

[Fixed row]

(3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

Climate change

(3.6.1.1) Opportunity identifier

Select from:

☒ Opp1

(3.6.1.3) Opportunity type and primary environmental opportunity driver

Energy source

☒ Use of low-carbon energy sources

(3.6.1.4) Value chain stage where the opportunity occurs

Select from:

- ☒ Direct operations

(3.6.1.5) Country/area where the opportunity occurs

Select all that apply

- ☒ United Arab Emirates

(3.6.1.8) Organization specific description

Switched a power plant from coal to natural gas

(3.6.1.9) Primary financial effect of the opportunity

Select from:

- ☒ Returns on investment in low-emission technology

(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Medium-term
☒ Long-term
☒ The opportunity has already had a substantive effect on our organization in the reporting year

(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- ☒ Virtually certain (99–100%)

(3.6.1.12) Magnitude

Select from:

- ☒ Medium

(3.6.1.13) Effect of the opportunity on the financial position, financial performance and cash flows of the organization in the reporting period

ACWA Power is converting this oil-fired thermal IWPP into a energy efficient 600,000 m3/day SWRO project by integrating 65 MWp PV replacing boilers and MSF technology. This will lead to an 87% reduction in power consumption and a saving of nine million tonnes of CO2/year by avoiding fuel consumption of 22 million barrels/year. The plant will be operational in 2025.

(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Positive

(3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

☒ No

(3.6.1.24) Cost to realize opportunity

0

(3.6.1.25) Explanation of cost calculation

Unable to provide

(3.6.1.26) Strategy to realize opportunity

Converting to lower carbon energy source

Water

(3.6.1.1) Opportunity identifier

Select from:

☒ Opp2

(3.6.1.3) Opportunity type and primary environmental opportunity driver

Resource efficiency

☒ Use of new technologies

(3.6.1.4) Value chain stage where the opportunity occurs

Select from:

☒ Direct operations

(3.6.1.5) Country/area where the opportunity occurs

Select all that apply

☒ Saudi Arabia

(3.6.1.6) River basin where the opportunity occurs

Select all that apply

☒ Other, please specify :Water desalination plant does not utilize river as water source. Seawater is used.

(3.6.1.8) Organization specific description

desalination plant switched from HFO thermal water desalination plant to SWRO desalination plant.

(3.6.1.9) Primary financial effect of the opportunity

Select from:

☒ Returns on investment in low-emission technology

(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

☒ Medium-term

☒ Long-term

☒ The opportunity has already had a substantive effect on our organization in the reporting year

(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

☒ Virtually certain (99–100%)

(3.6.1.12) Magnitude

Select from:

☒ Medium

(3.6.1.13) Effect of the opportunity on the financial position, financial performance and cash flows of the organization in the reporting period

The effect on financial position will be positive as it highly improves the energy efficiency. The estimation specific power consumption will be reduced by 87%.

(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Positive

(3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

☒ No

(3.6.1.24) Cost to realize opportunity

0

(3.6.1.25) Explanation of cost calculation

Unable to provide

(3.6.1.26) Strategy to realize opportunity

Converting to more efficient and low carbon technology

Climate change

(3.6.1.1) Opportunity identifier

Select from:

☒ Opp3

(3.6.1.3) Opportunity type and primary environmental opportunity driver

Resource efficiency

☒ Use of new technologies

(3.6.1.4) Value chain stage where the opportunity occurs

Select from:

☒ Direct operations

(3.6.1.5) Country/area where the opportunity occurs

Select all that apply

☒ Saudi Arabia

☒ Uzbekistan

(3.6.1.8) Organization specific description

Large scale green hydrogen plants

(3.6.1.9) Primary financial effect of the opportunity

Select from:

- ☒ Increased revenues through access to new and emerging markets

(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Short-term
- ☒ Medium-term
- ☒ Long-term
- ☒ The opportunity has already had a substantive effect on our organization in the reporting year

(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- ☒ Virtually certain (99–100%)

(3.6.1.12) Magnitude

Select from:

- ☒ High

(3.6.1.13) Effect of the opportunity on the financial position, financial performance and cash flows of the organization in the reporting period

Green hydrogen and its derivatives are the new renewables. The electrolysis process passes a strong electrical current through a tank of water (H₂O), to split the molecules into its two constituent elements, and then converts the hydrogen into ammonia for ease of transport. ACWA Power is first mover in at-scale green hydrogen and is constructing the world's biggest green hydrogen project in the NEOM region. This makes us, along with our partners, the largest player in green ammonia, with the NEOM Green Hydrogen Project and our second project in Uzbekistan, catering to fertilisers locally and for export in the future. Several MoUs have been signed to develop green hydrogen projects in Indonesia, Thailand, Egypt, and Uzbekistan.

(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Positive

(3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

☒ No

(3.6.1.24) Cost to realize opportunity

0

(3.6.1.25) Explanation of cost calculation

Unable to provide

(3.6.1.26) Strategy to realize opportunity

First mover in an emerging market that are crucial for combating climate change

Climate change

(3.6.1.1) Opportunity identifier

Select from:

☒ Opp4

(3.6.1.3) Opportunity type and primary environmental opportunity driver

Energy source

☒ Use of renewable energy sources

(3.6.1.4) Value chain stage where the opportunity occurs

Select from:

☒ Direct operations

(3.6.1.5) Country/area where the opportunity occurs

Select all that apply

- | | |
|--|--|
| ☒ Oman | ☒ Indonesia |
| ☒ Egypt | ☒ Azerbaijan |
| ☒ Jordan | ☒ Uzbekistan |
| ☒ Bahrain | ☒ Saudi Arabia |
| ☒ Morocco | ☒ South Africa |
| ☒ United Arab Emirates | |

(3.6.1.8) Organization specific description

Renewable energy plants rapidly expansion in these regions that include, solar and wind.

(3.6.1.9) Primary financial effect of the opportunity

Select from:

- ☒ Increased revenues resulting from increased demand for products and services

(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Short-term
- ☒ Medium-term
- ☒ Long-term
- ☒ The opportunity has already had a substantive effect on our organization in the reporting year

(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- ☒ Virtually certain (99–100%)

(3.6.1.12) Magnitude

Select from:

☒ High

(3.6.1.13) Effect of the opportunity on the financial position, financial performance and cash flows of the organization in the reporting period

In 2023, ACWA Power has achieved 44.5% of total renewable power capacity. We have set a target of reaching 50% green and brown ratio by 2030 and it is very likely to achieve this in 2024. Our strategy calls for more than 75% of power additions comes from renewable. This will continuously increase financial performance as the cost is further reduced. And in the future climate scenarios, where renewable energy is much needed.

(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

Positive

(3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

☒ No

(3.6.1.24) Cost to realize opportunity

0

(3.6.1.25) Explanation of cost calculation

Unable to provide

(3.6.1.26) Strategy to realize opportunity

Increase sustainable electricity generation

[Add row]

(3.6.2) Provide the amount and proportion of your financial metrics in the reporting year that are aligned with the substantive effects of environmental opportunities.

Climate change

(3.6.2.1) Financial metric

Select from:

☒ Assets

(3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

99602366679

(3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

☒ 51-60%

(3.6.2.4) Explanation of financial figures

58% of our asset project cost (total project cost x acwa power's equity share) is renewable energy projects. This is only considering fully constructed and operated.

Water

(3.6.2.1) Financial metric

Select from:

☒ Assets

(3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

(3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

☒ 31-40%

(3.6.2.4) Explanation of financial figures

31% of our asset project cost (total project cost x acwa power's equity share) is Seawater reverse osmosis, which is the latest water desalination technology that is the most energy efficient. This is only considering fully constructed and operated.

[Add row]

C4. Governance

(4.1) Does your organization have a board of directors or an equivalent governing body?

(4.1.1) Board of directors or equivalent governing body

Select from:

☒ Yes

(4.1.2) Frequency with which the board or equivalent meets

Select from:

☒ More frequently than quarterly

(4.1.3) Types of directors your board or equivalent is comprised of

Select all that apply

☒ Executive directors or equivalent

☒ Non-executive directors or equivalent

☒ Independent non-executive directors or equivalent

(4.1.4) Board diversity and inclusion policy

Select from:

☒ No

[Fixed row]

(4.1.1) Is there board-level oversight of environmental issues within your organization?

	Board-level oversight of this environmental issue	Primary reason for no board-level oversight of this environmental issue	Explain why your organization does not have board-level oversight of this environmental issue
Climate change	Select from: ☒ Yes	Select from:	Rich text input [must be under 2500 characters]
Water	Select from: ☒ Yes	Select from:	Rich text input [must be under 2500 characters]
Biodiversity	Select from: ☒ No, but we plan to within the next two years	Select from: ☒ Not an immediate strategic priority	Headline ESG issues are climate change and water. biodiversity is an issue of emerging importance for the company

[Fixed row]

(4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board's oversight of environmental issues.

Climate change

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

- ☒ Board-level committee
- ☒ Chief Risk Officer (CRO)
- ☒ Chief Executive Officer (CEO)
- ☒ Chief Operating Officer (COO)
- ☒ Chief Compliance Officer (CCO)
- ☒ Chief Sustainability Officer (CSO)
- ☒ Other, please specify :**Chief Health, Safety, Security and Environment**

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☒ Yes

(4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

☒ Other policy applicable to the board, please specify :All Board committees have independent committee charters that stipulate their respective structure, authorities, role and responsibilities, within the context of their specific remits.

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☒ Scheduled agenda item in every board meeting (standing agenda item)

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

- ☒ Reviewing and guiding annual budgets
- ☒ Approving corporate policies and/or commitments
- ☒ Reviewing and guiding innovation/R&D priorities
- ☒ Overseeing and guiding major capital expenditures
- ☒ Monitoring the implementation of the business strategy
- ☒ Overseeing reporting, audit, and verification processes
- ☒ Overseeing and guiding the development of a business strategy
- ☒ Monitoring compliance with corporate policies and/or commitments
- ☒ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities

(4.1.2.7) Please explain

Boards and executives are responsible for integrating climate change management into the broader business strategy, ensuring sustainability aligns with the company's long-term goals. They oversee the assessment and integration of climate-related into the company's overall risk management processes. This includes evaluating potential financial impacts, operational disruptions, and compliance risks due to evolving regulations. Overseeing investments in sustainable technologies and practices that reduce the environmental impact, such as renewable energy technologies.

Water

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

- ☒ Board-level committee
- ☒ Chief Risk Officer (CRO)
- ☒ Chief Executive Officer (CEO)
- ☒ Chief Operating Officer (COO)
- ☒ Chief Compliance Officer (CCO)
- ☒ Chief Sustainability Officer (CSO)
- ☒ Other, please specify :**Chief Health, Safety, Security and Environment**

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

- ☒ Yes

(4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

- ☒ Other policy applicable to the board, please specify :All Board committees have independent committee charters that stipulate their respective structure, authorities, role and responsibilities, within the context of their specific remits.

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

- ☒ Scheduled agenda item in some board meetings – at least annually

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

- ☒ Reviewing and guiding annual budgets
- ☒ Approving corporate policies and/or commitments
- ☒ Reviewing and guiding innovation/R&D priorities
- ☒ Overseeing and guiding major capital expenditures
- ☒ Monitoring the implementation of the business strategy

- ☒ Overseeing reporting, audit, and verification processes
- ☒ Overseeing and guiding the development of a business strategy
- ☒ Monitoring compliance with corporate policies and/or commitments
- ☒ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities

(4.1.2.7) Please explain

Boards and executives are responsible for integrating water management into the broader business strategy, ensuring sustainability aligns with the company's long-term goals. Ensuring compliance with national and international environmental regulations, and overseeing the preparation and accuracy of sustainability reports that disclose the company's environmental impact and performance. They monitor and evaluate the company's engagement with stakeholders on environmental matters, ensuring that stakeholder concerns are considered in decision-making processes.

[Fixed row]

(4.2) Does your organization's board have competency on environmental issues?

Climate change

(4.2.1) Board-level competency on this environmental issue

Select from:

- ☒ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

- ☒ Engaging regularly with external stakeholders and experts on environmental issues
- ☒ Having at least one board member with expertise on this environmental issue

(4.2.3) Environmental expertise of the board member

Academic

- ☒ Postgraduate education (e.g., MSc/MA/PhD in environment and sustainability, climate science, environmental science, water resources management, forestry, etc.), please specify :Master's Degree in Climate Change and Environment

Water

(4.2.1) Board-level competency on this environmental issue

Select from:

☒ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

☒ Engaging regularly with external stakeholders and experts on environmental issues

☒ Having at least one board member with expertise on this environmental issue

(4.2.3) Environmental expertise of the board member

Academic

☒ Postgraduate education (e.g., MSc/MA/PhD in environment and sustainability, climate science, environmental science, water resources management, forestry, etc.), please specify :Master's Degree in Climate Change and Environment

[Fixed row]

(4.3) Is there management-level responsibility for environmental issues within your organization?

	Management-level responsibility for this environmental issue
Climate change	Select from: ☒ Yes
Water	Select from: ☒ Yes

	Management-level responsibility for this environmental issue
Biodiversity	<i>Select from:</i> ☒ Yes

[Fixed row]

(4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals).

Climate change

(4.3.1.1) Position of individual or committee with responsibility

Committee

☒ Other committee, please specify :Board Executive Committee

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

- ☒ Assessing environmental dependencies, impacts, risks, and opportunities
- ☒ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

Policies, commitments, and targets

- ☒ Monitoring compliance with corporate environmental policies and/or commitments
- ☒ Measuring progress towards environmental corporate targets
- ☒ Setting corporate environmental policies and/or commitments

Strategy and financial planning

- ☒ Developing a business strategy which considers environmental issues
- ☒ Developing a climate transition plan
- ☒ Managing environmental reporting, audit, and verification processes

(4.3.1.4) Reporting line

Select from:

- ☒ Reports to the board directly

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- ☒ More frequently than quarterly

(4.3.1.6) Please explain

The Board is the highest governing authority in the Company and is responsible for reviewing and approving its overall direction. This includes the review and approval of strategies and plans including, but not limited to, vision and corporate strategy, operations, ESG, funding, investments, and divestments. The governance structure includes four respective Board Committees, established to assist the Board in fulfilling its fiduciary responsibilities by providing independent advice, guidance, and oversight with respect to their respective areas of expertise. Underpinning our commitment to environmental stewardship, the Board has established ambitious climate objectives, aiming for carbon net zero by 2050 and a 50% reduction in Specific Emissions Intensity (t CO₂e/MWh) by 2030, relative to 2020 levels, the baseline year. For each project, ACWA Power conducts an analysis of its emissions and includes the project's impact on overall portfolio emissions in an Investment Memo, based on which the Board Executive Committee makes investment decisions. We therefore ensure that ESG factors are integrated into our capital allocation process. The Board receives regular updates, at least once per year (sometimes more frequently) with the forecast emissions for the Company up to 2050, inclusive of planned growth. The Board conducts annual reviews of performance relative to long-term targets and regularly evaluates ESG strategy, performance and targets. Members of the Board are proficient in sustainability practices and have the necessary skills to address risks related to sustainability issues. Recognising that sustainability is dynamic, the Board is considering setting up a dedicated Committee to steer our ESG strategy, with provisions for quarterly reporting. Furthermore, a series of focused sessions on 'Sustainability' are scheduled for 2024, demonstrating our ongoing commitment to this critical agenda.

Water

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☒ Other C-Suite Officer, please specify :Chief Health, Safety, Security and Environment

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

- ☒ Assessing environmental dependencies, impacts, risks, and opportunities
- ☒ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

Engagement

- ☒ Managing public policy engagement related to environmental issues

Policies, commitments, and targets

- ☒ Monitoring compliance with corporate environmental policies and/or commitments
- ☒ Measuring progress towards environmental corporate targets
- ☒ Setting corporate environmental policies and/or commitments

Strategy and financial planning

- ☒ Developing a business strategy which considers environmental issues
- ☒ Managing acquisitions, mergers, and divestitures related to environmental issues
- ☒ Managing environmental reporting, audit, and verification processes

(4.3.1.4) Reporting line

Select from:

- ☒ Reports to the Chief Executive Officer (CEO)

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- ☒ Quarterly

(4.3.1.6) Please explain

The oversight of water management is under the purview of HSSE department, led by Chief Health, Safety, Security and Environment. The critical issues will be able to escalate up to Board level as CEO and Chief Health, Safety, Security and Environment are both in Board Executive Committee.

Biodiversity

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☒ Other C-Suite Officer, please specify :Chief Health, Safety, Security and Environment

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☒ Assessing environmental dependencies, impacts, risks, and opportunities

Engagement

☒ Managing public policy engagement related to environmental issues

☒ Managing value chain engagement related to environmental issues

Policies, commitments, and targets

☒ Setting corporate environmental policies and/or commitments

(4.3.1.4) Reporting line

Select from:

☒ Reports to the Chief Executive Officer (CEO)

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

☒ Quarterly

(4.3.1.6) Please explain

The oversight of biodiversity is under the purview of HSSE department, led by Chief Health, Safety, Security and Environment. The critical issues will be able to escalate up to Board level as CEO and Chief Health, Safety, Security and Environment are both in Board Executive Committee.

[Add row]

(4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets?

	Provision of monetary incentives related to this environmental issue
Climate change	Select from: ☒ No, and we do not plan to introduce them in the next two years
Water	Select from: ☒ No, and we do not plan to introduce them in the next two years

[Fixed row]

(4.6) Does your organization have an environmental policy that addresses environmental issues?

	Does your organization have any environmental policies?
	Select from: ☒ Yes

[Fixed row]

(4.6.1) Provide details of your environmental policies.

Row 1

(4.6.1.1) Environmental issues covered

Select all that apply

☒ Climate change

(4.6.1.2) Level of coverage

Select from:

☒ Organization-wide

(4.6.1.3) Value chain stages covered

Select all that apply

☒ Direct operations

(4.6.1.4) Explain the coverage

We are committed to reaching net zero emissions from our portfolio by 2050. We aim to meet our target by focusing our investments on renewables and transitional low CO2 emitting assets, including capturing viable fuel-switch opportunities and increasing and optimising the energy efficiency of our portfolio. We are committed to accelerate the transition to renewable energy sources, optimise resource utilisation, and enhance energy efficiency to mitigate climate change. It also includes the aspect of identifying the environmental impact of the organization's business activities and implementing proper measures to mitigate such impacts including reduction of natural resource consumption and minimizing emissions.

(4.6.1.5) Environmental policy content

Environmental commitments

☒ Commitment to a circular economy strategy

☒ Commitment to comply with regulations and mandatory standards

☒ Commitment to stakeholder engagement and capacity building on environmental issues

Climate-specific commitments

☒ Commitment to net-zero emissions

Social commitments

☒ Adoption of the UN International Labour Organization principles

☒ Commitment to respect internationally recognized human rights

(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

☒ Yes, in line with another global environmental treaty or policy goal, please specify :SDG Goal 13 - Climate Action

(4.6.1.7) Public availability

Select from:

☒ Publicly available

(4.6.1.8) Attach the policy

complete_with_docusign_sustainability_statem-with-date.pdf

Row 2

(4.6.1.1) Environmental issues covered

Select all that apply

☒ Water

(4.6.1.2) Level of coverage

Select from:

☒ Organization-wide

(4.6.1.3) Value chain stages covered

Select all that apply

☒ Direct operations

(4.6.1.4) Explain the coverage

Identifying the environmental impact of the organization's business activities and implementing proper measures to mitigate such impacts including reduction of natural resource consumption such as freshwater.

(4.6.1.5) Environmental policy content

Environmental commitments

- ☒ Commitment to comply with regulations and mandatory standards
- ☒ Commitment to respect legally designated protected areas
- ☒ Commitment to stakeholder engagement and capacity building on environmental issues

Water-specific commitments

- ☒ Commitment to control/reduce/eliminate water pollution
- ☒ Commitment to water stewardship and/or collective action

(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

- ☒ Yes, in line with Sustainable Development Goal 6 on Clean Water and Sanitation

(4.6.1.7) Public availability

Select from:

- ☒ Publicly available

(4.6.1.8) Attach the policy

ncimspo-03-environment-policy-docx.pdf

Row 3

(4.6.1.1) Environmental issues covered

Select all that apply

☒ Biodiversity

(4.6.1.2) Level of coverage

Select from:

☒ Organization-wide

(4.6.1.3) Value chain stages covered

Select all that apply

☒ Direct operations

(4.6.1.4) Explain the coverage

While we are expanding our assets, we ensure to protect the ecosystems and avoid, minimise or restore biodiversity loss.

(4.6.1.5) Environmental policy content

Environmental commitments

☒ Commitment to avoidance of negative impacts on threatened and protected species

☒ Commitment to comply with regulations and mandatory standards

☒ Commitment to stakeholder engagement and capacity building on environmental issues

(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

☒ Yes, in line with the Kunming-Montreal Global Biodiversity Framework

(4.6.1.7) Public availability

Select from:

☒ Publicly available

(4.6.1.8) Attach the policy

AP-C-HSSE-FW-004 Biodiversity Framework (1).pdf

[Add row]

(4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

(4.10.1) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

Select from:

☒ Yes

(4.10.2) Collaborative framework or initiative

Select all that apply

☒ UN Global Compact

(4.10.3) Describe your organization's role within each framework or initiative

We are a signatory member of UNGC where we: - Make the UN Global Compact and its principles an integral part of your business strategy, day-to-day operations and organizational culture. - Incorporate the UN Global Compact and its principles in decision-making processes at the highest levels. - Engage in partnerships that advance the UN Global Compact's principles and support broader UN goals, such as the UN Sustainable Development Goals. - Advance the UN Global Compact and the case for responsible business practices through advocacy and outreach to peers, partners, clients, consumers and the public at large.

[Fixed row]

(4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment?

(4.11.1) External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the environment

Select all that apply

- ☒ Yes, we engaged directly with policy makers

(4.11.2) Indicate whether your organization has a public commitment or position statement to conduct your engagement activities in line with global environmental treaties or policy goals

Select from:

- ☒ Yes, we have a public commitment or position statement in line with global environmental treaties or policy goals

(4.11.3) Global environmental treaties or policy goals in line with public commitment or position statement

Select all that apply

- ☒ Kunming-Montreal Global Biodiversity Framework
☒ Sustainable Development Goal 6 on Clean Water and Sanitation

(4.11.4) Attach commitment or position statement

complete_with_docusign_sustainability_statem-with-date.pdf

(4.11.5) Indicate whether your organization is registered on a transparency register

Select from:

- ☒ Unknown

(4.11.8) Describe the process your organization has in place to ensure that your external engagement activities are consistent with your environmental commitments and/or transition plan

ACWA Power engaged in policy dialogues that could impact environmental regulations. Our Environment team participated in a key workshop with MEWA and other stakeholders to discuss and suggest improvements to the Executive Regulation of Air Quality. Key issues addressed included revising Vapor Recovery System (VRS) capacity requirements and enhancing the integration of Continuous Emission Monitoring Systems (CEMS).

[Fixed row]

(4.11.1) On what policies, laws, or regulations that may (positively or negatively) impact the environment has your organization been engaging directly with policy makers in the reporting year?

Row 1

(4.11.1.1) Specify the policy, law, or regulation on which your organization is engaging with policy makers

Executive Regulation of Air Quality

(4.11.1.2) Environmental issues the policy, law, or regulation relates to

Select all that apply

☒ Climate change

(4.11.1.3) Focus area of policy, law, or regulation that may impact the environment

Environmental impacts and pressures

☒ Emissions – CO2

☒ Emissions – methane

☒ Emissions – other GHGs

☒ Hazardous substances

(4.11.1.4) Geographic coverage of policy, law, or regulation

Select from:

☒ National

(4.11.1.5) Country/area/region the policy, law, or regulation applies to

Select all that apply

☒ Saudi Arabia

(4.11.1.6) Your organization's position on the policy, law, or regulation

Select from:

- ☒ Support with no exceptions

(4.11.1.8) Type of direct engagement with policy makers on this policy, law, or regulation

Select all that apply

- ☒ Regular meetings
☒ Participation in working groups organized by policy makers
☒ Participation in voluntary government programs

(4.11.1.9) Funding figure your organization provided to policy makers in the reporting year relevant to this policy, law, or regulation (currency)

0

(4.11.1.10) Explain the relevance of this policy, law, or regulation to the achievement of your environmental commitments and/or transition plan, how this has informed your engagement, and how you measure the success of your engagement

ACWA Power engaged in policy dialogues that could impact environmental regulations. Our Environment team participated in a key workshop with Ministry of Environment, Water and Agriculture (MEWA) and other stakeholders to discuss and suggest improvements to the Executive Regulation of Air Quality. Key issues addressed included revising Vapor Recovery System (VRS) capacity requirements and enhancing the integration of Continuous Emission Monitoring Systems (CEMS). By far no funding has been realised in 2024.

(4.11.1.11) Indicate if you have evaluated whether your organization's engagement on this policy, law, or regulation is aligned with global environmental treaties or policy goals

Select from:

- ☒ Yes, we have evaluated, and it is aligned

(4.11.1.12) Global environmental treaties or policy goals aligned with your organization's engagement on this policy, law or regulation

Select all that apply

- ☒ Paris Agreement

☒ Another global environmental treaty or policy goal, please specify :Saudi Vision 2030 & Saudi Green Initiative, National Center for Environmental Compliance (NCEC), Saudi Environmental Law, Convention on Biological Diversity (CBD), Middle East Green Initiative (MGI)
[Add row]

(4.12) Have you published information about your organization's response to environmental issues for this reporting year in places other than your CDP response?

Select from:

☒ Yes

(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication.

Row 1

(4.12.1.1) Publication

Select from:

☒ In mainstream reports, in line with environmental disclosure standards or frameworks

(4.12.1.2) Standard or framework the report is in line with

Select all that apply

☒ GRI

☒ IFRS

☒ TCFD

(4.12.1.3) Environmental issues covered in publication

Select all that apply

☒ Climate change

☒ Water

☒ Biodiversity

(4.12.1.4) Status of the publication

Select from:

☒ Complete

(4.12.1.5) Content elements

Select all that apply

☒ Strategy

☒ Governance

☒ Emission targets

☒ Emissions figures

☒ Risks & Opportunities

☒ Content of environmental policies

☒ Dependencies & Impacts

☒ Biodiversity indicators

☒ Public policy engagement

☒ Water accounting figures

☒ Water pollution indicators

(4.12.1.6) Page/section reference

https://www.acwapower.com/media/342515/acwa_power_eng_ar24_00_book_1208_1839.pdf Page 90-172

(4.12.1.7) Attach the relevant publication

[acwa_power_eng_ar24_00_book_1208_1839.pdf](#)

(4.12.1.8) Comment

n/a

[Add row]

C5. Business strategy

(5.1) Does your organization use scenario analysis to identify environmental outcomes?

Climate change

(5.1.1) Use of scenario analysis

Select from:

☒ Yes

(5.1.2) Frequency of analysis

Select from:

☒ Every three years or less frequently

Water

(5.1.1) Use of scenario analysis

Select from:

☒ Yes

(5.1.2) Frequency of analysis

Select from:

☒ Every three years or less frequently

[Fixed row]

(5.1.1) Provide details of the scenarios used in your organization's scenario analysis.

Climate change

(5.1.1.1) Scenario used

Physical climate scenarios

☒ RCP 8.5

(5.1.1.2) Scenario used SSPs used in conjunction with scenario

Select from:

☒ No SSP used

(5.1.1.3) Approach to scenario

Select from:

☒ Qualitative

(5.1.1.4) Scenario coverage

Select from:

☒ Facility

(5.1.1.5) Risk types considered in scenario

Select all that apply

☒ Chronic physical

(5.1.1.6) Temperature alignment of scenario

Select from:

☒ 4.0°C and above

(5.1.1.7) Reference year

2021

(5.1.1.8) Timeframes covered

Select all that apply

☒ 2100

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

- ☒ Changes to the state of nature
- ☒ Number of ecosystems impacted
- ☒ Changes in ecosystem services provision
- ☒ Speed of change (to state of nature and/or ecosystem services)
- ☒ Climate change (one of five drivers of nature change)

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

The assessment was conducted by examining the threats to our operations, primarily focusing on various technologies, posed by climate risk elements such as extreme heat and cold. The limitations are associated with the accuracy of the actual impact, as the study was qualitative and based on the best knowledge available.

(5.1.1.11) Rationale for choice of scenario

The worst-case scenario, RCP8.5, has been selected for the physical risk assessment because physical risks are typically realized only in the long term. This approach ensures that we account for the most severe potential impacts, allowing for comprehensive risk planning and mitigation strategies.

Water

(5.1.1.1) Scenario used

Water scenarios

☒ WRI Aqueduct

(5.1.1.3) Approach to scenario

Select from:

☒ Qualitative

(5.1.1.4) Scenario coverage

Select from:

☒ Facility

(5.1.1.5) Risk types considered in scenario

Select all that apply

☒ Chronic physical

(5.1.1.7) Reference year

2023

(5.1.1.8) Timeframes covered

Select all that apply

☒ 2050

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☒ Changes to the state of nature

☒ Changes in ecosystem services provision

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

The assessment primarily focuses on water stress region where our operations located. The overall water stress map was used for the assessment, in which it might not be accurate enough to the specific site location.

(5.1.1.11) Rationale for choice of scenario

Comprehensive set of data available on Aqueduct website for the assessment

[Add row]

(5.1.2) Provide details of the outcomes of your organization's scenario analysis.

Climate change

(5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

☒ Risk and opportunities identification, assessment and management

☒ Capacity building

(5.1.2.2) Coverage of analysis

Select from:

☒ Facility

(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

Through the physical climate risk assessment, risks and opportunities have been identified for each technology that ACWA Power possesses. Responses to these risks and opportunities have been formulated by the company. This approach will also enhance the climate risk assessments for future projects.

Water

(5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

☒ Scenario analysis has not influenced our business processes

[Fixed row]

(5.2) Does your organization's strategy include a climate transition plan?

(5.2.1) Transition plan

Select from:

☒ No, but we are developing a climate transition plan within the next two years

(5.2.15) Primary reason for not having a climate transition plan that aligns with a 1.5°C world

Select from:

☒ No standardized procedure

(5.2.16) Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world

The company has set a climate target of reducing 50% of emission intensity by 2030 and net zero by 2050. Emission intensity reduction might not directly reflect on the absolute emissions, that is required to be reduced 45% by 2030 under the Paris Agreement.

[Fixed row]

(5.3) Have environmental risks and opportunities affected your strategy and/or financial planning?

(5.3.1) Environmental risks and/or opportunities have affected your strategy and/or financial planning

Select from:

☒ Yes, both strategy and financial planning

(5.3.2) Business areas where environmental risks and/or opportunities have affected your strategy

Select all that apply

☒ Products and services

☒ Investment in R&D

[Fixed row]

(5.3.1) Describe where and how environmental risks and opportunities have affected your strategy.

Products and services

(5.3.1.1) Effect type

Select all that apply

- ☒ Risks
- ☒ Opportunities

(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

- ☒ Climate change
- ☒ Water

(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

ACWA Power understands the urgency of climate risk that will hugely impact the world in the coming future. We have announced our new strategy 2.0, which focuses primarily on renewable, green hydrogen, water desalination and flexible generation. Under this strategy, more than 75% of power additions will come from renewables. As a result, capital allocation and financial planning are adjusted based on this strategy. We have been switching high carbon intensive assets to lower carbon intensive assets such as switching thermal desalination to seawater reverse osmosis technology, which is able to reduce 87% specific power consumption. In addition, we have also identified the opportunities of integrating renewable energy with our desalination facility to further reduce the carbon footprint.

Investment in R&D

(5.3.1.1) Effect type

Select all that apply

- ☒ Risks
- ☒ Opportunities

(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

- ☒ Climate change

☒ Water

(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

We have invested into the renewable technologies and water desalination technologies with the aim to reduce the carbon footprint of the operations, as well as improve the energy efficiency of the facilities. This will drive the cost of operations down, which indirectly will reduce the power and water tariff. Throughout 2023, we forged 24 MoUs with leading technology firms and organisations worldwide, focusing on desalination, solar PV, hydrogen, and BESS. An additional nine MoUs were secured in the first quarter of 2024. By the end of 2023, we had filed a total of 15 patents, primarily in desalination but also in green hydrogen and solar PV. Furthermore, we registered three trademarks and completed three IP sprints in the Kingdom.

[Add row]

(5.3.2) Describe where and how environmental risks and opportunities have affected your financial planning.

Row 1

(5.3.2.1) Financial planning elements that have been affected

Select all that apply

- ☒ Capital expenditures
- ☒ Capital allocation
- ☒ Acquisitions and divestments
- ☒ Assets

(5.3.2.2) Effect type

Select all that apply

- ☒ Risks
- ☒ Opportunities

(5.3.2.3) Environmental issues relevant to the risks and/or opportunities that have affected these financial planning elements

Select all that apply

☒ Climate change

(5.3.2.4) Describe how environmental risks and/or opportunities have affected these financial planning elements

ACWA Power understands the urgency of climate risk that will hugely impact the world in the coming future. We have announced our new strategy 2.0, which focuses primarily on renewable, green hydrogen, water desalination and flexible generation. Under this strategy, more than 75% of power additions will come from renewables. As a result, capital allocation and financial planning are adjusted based on this strategy. In 2023, we have achieved 44.5% of renewable gross power capacity, aiming to reach 50% of green-brown ratio by 2030.

[Add row]

(5.4) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

	Identification of spending/revenue that is aligned with your organization's climate transition
	Select from: ☒ No, but we plan to in the next two years

[Fixed row]

(5.5) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?

(5.5.1) Investment in low-carbon R&D

Select from:

☒ Yes

(5.5.2) Comment

In China, a key growth market, ACWA Power has established an innovation centre, which includes an R&D and PV laboratory with a testing capacity of 16,500 modules/year, offices and one conference facility. The centre opened in January 2025, has 31 staff, and has the Chinese certifications CNAS, TUV and UL. These are the milestones in 2024: USD 3 million OPEX projects • 76 projects including 33 Pilot Plants • Launch of Shanghai Innovation Centre • 4 Innovation Hubs • 33 R&D collaborations across iEcosystem • USD 1.7 million external funding awarded • 32 patents filed end of year – IP sprint • Actively participate in local and global Innovation Ecosystem • International and internal Ideation Campaigns • 2nd AP Innovation Days/1st Hackathon At the end of 2024, the nominal value creation of ongoing R&D projects is USD 49 million. We have around 40 R&D projects and 19 of them are pilot assets in Saudi and abroad. Throughout 2023, we forged 24 MoUs with leading technology firms and organisations worldwide, focusing on desalination, solar PV, hydrogen, and BESS. An additional nine MoUs were secured in the first quarter of 2024. By the end of 2023, we had filed a total of 15 patents, primarily in desalination but also in green hydrogen and solar PV. Furthermore, we registered three trademarks and completed three IP sprints in the Kingdom. In 2023, we conducted three internal innovation challenges and IP sprints, receiving and evaluating around 150 potential ideas. Additionally, we are committed to promoting innovation globally and organised four external engagements, which yielded over 100 potential ideas. We are contributing to the strategic research agenda in the Kingdom through the Ministry of Energy Innovation Programme and Research Development and Investment Authority (RDIA), which oversees research and development funding in the country. Our successful collaboration with King Abdullah University for Science and Technology (KAUST) in desalination, solar PV and hydrogen will expand to new areas, culminating in the establishment of a joint Clean Energy and Water Desalination Technologies Development Centre.

[Fixed row]

(5.5.7) Provide details of your organization's investments in low-carbon R&D for your sector activities over the last three years.

Row 1

(5.5.7.1) Technology area

Select from:

☒ Solar energy generation

(5.5.7.2) Stage of development in the reporting year

Select from:

☒ Small scale commercial deployment

(5.5.7.3) Average % of total R&D investment over the last 3 years

(5.5.7.4) R&D investment figure in the reporting year (unit currency as selected in 1.2) (optional)

1000000

(5.5.7.5) Average % of total R&D investment planned over the next 5 years

2

(5.5.7.6) Explain how your R&D investment in this technology area is aligned with your climate commitments and/or climate transition plan

We focused mainly on renewable technologies as well as water desalination technologies to further advance the operational efficiency, which will reduce the resource consumption and emissions. ACWA Power uses proprietary processes, open innovation and exclusive partnerships, and focuses on: › 100% renewable desalination at a low, competitive cost, aiming for 100% renewable power supply at all its plants rather than using conventional grid power › Green hydrogen at low cost, using disruptive processes, to compete successfully with grey hydrogen

Row 2

(5.5.7.1) Technology area

Select from:

☒ Battery storage

(5.5.7.2) Stage of development in the reporting year

Select from:

☒ Large scale commercial deployment

(5.5.7.3) Average % of total R&D investment over the last 3 years

1

(5.5.7.4) R&D investment figure in the reporting year (unit currency as selected in 1.2) (optional)

122000

(5.5.7.5) Average % of total R&D investment planned over the next 5 years

5

(5.5.7.6) Explain how your R&D investment in this technology area is aligned with your climate commitments and/or climate transition plan

We have around 73 MWh battery storage system integrated with renewable energy plant installed. This has successfully proven and tested, hence we have been venturing into making it larger scale. In 2024, we have around 2598 MWh under construction and 2654 MWh in the advanced development, all integrated with solar or wind energy plant. Unable to provide the figure for R&D amount.

[Add row]

(5.7.1) Break down your total planned CAPEX in your current CAPEX plan for products and services (e.g. smart grids, digitalization, etc.).

Row 1

(5.7.1.1) Products and services

Select from:

☒ Large-scale storage

(5.7.1.2) Description of product/service

Battery Energy Storage Systems (BESS) are rechargeable batteries that can store energy from different sources and discharge it when needed.

[Add row]

(5.10) Does your organization use an internal price on environmental externalities?

	Use of internal pricing of environmental externalities	Primary reason for not pricing environmental externalities	Explain why your organization does not price environmental externalities
	<i>Select from:</i> ☒ No, but we plan to in the next two years	<i>Select from:</i> ☒ No standardized procedure	<i>Lack of standardized methodology. Too many uncertainties in quantifying the internal price for environmental externalities.</i>

[Fixed row]

(5.11) Do you engage with your value chain on environmental issues?

Suppliers

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☒ Yes

(5.11.2) Environmental issues covered

Select all that apply

☒ Climate change

☒ Water

Customers

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☒ Yes

(5.11.2) Environmental issues covered

Select all that apply

☒ Climate change

☒ Water

Investors and shareholders

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☒ Yes

(5.11.2) Environmental issues covered

Select all that apply

☒ Climate change

☒ Water

Other value chain stakeholders

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☒ No, but we plan to within the next two years

(5.11.3) Primary reason for not engaging with this stakeholder on environmental issues

Select from:

☒ Not an immediate strategic priority

(5.11.4) Explain why you do not engage with this stakeholder on environmental issues

We mainly focus on our own operating control facilities with the limited resources we have.

[Fixed row]

(5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment?

	Assessment of supplier dependencies and/or impacts on the environment
Climate change	Select from: ☒ No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years
Water	Select from: ☒ No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years

[Fixed row]

(5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues?

Climate change

(5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

☒ Yes, we prioritize which suppliers to engage with on this environmental issue

(5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

- ☒ Business risk mitigation
- ☒ Procurement spend
- ☒ Product lifecycle
- ☒ Supplier performance improvement

- ☒ Vulnerability of suppliers

(5.11.2.4) Please explain

One of the key element in our procurement policy is the use of energy and raw materials, and recyclable and renewable material under environment pillar. We give due consideration to the environmental, social and economic consequences of our procurement practices and raw material sourcing. Our procurement policy and procedures set out how the procurement process operates, its application standards, and clarifies the roles and responsibilities of those involved in procurement. In addition, the policy extends to any third-party organisations spending ACWA Power funds, ensuring that any organisations with which we collaborate, such as contractors, also consider their environmental, social and economic impact in their procurement practices. Once assessed, we classify suppliers into high, medium, or low risk categories. We do not engage with high-risk suppliers. For those in the medium risk category, we develop specific plans to help improve their performance, discussing and refining these plans as necessary with the suppliers. As part of the vendor performance management process, all vendors are subject to performance evaluation on a six-monthly basis. Our approach has identified 17 suppliers as underperforming. We have started targeted action plans for these suppliers to boost their operations.

Water

(5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

- ☒ Yes, we prioritize which suppliers to engage with on this environmental issue

(5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

- ☒ Business risk mitigation
- ☒ Procurement spend
- ☒ Product lifecycle
- ☒ Supplier performance improvement
- ☒ Vulnerability of suppliers

(5.11.2.4) Please explain

One of the key element in our procurement policy is the use of water under environment pillar. We give due consideration to the environmental, social and economic consequences of our procurement practices and raw material sourcing. Our procurement policy and procedures set out how the procurement process operates, its application standards, and clarifies the roles and responsibilities of those involved in procurement. In addition, the policy extends to any third-party organisations

spending ACWA Power funds, ensuring that any organisations with which we collaborate, such as contractors, also consider their environmental, social and economic impact in their procurement practices. Once assessed, we classify suppliers into high, medium, or low risk categories. We do not engage with high-risk suppliers. For those in the medium risk category, we develop specific plans to help improve their performance, discussing and refining these plans as necessary with the suppliers. As part of the vendor performance management process, all vendors are subject to performance evaluation on a six-monthly basis. Our approach has identified 17 suppliers as underperforming. We have started targeted action plans for these suppliers to boost their operations.

[Fixed row]

(5.11.5) Do your suppliers have to meet environmental requirements as part of your organization's purchasing process?

	Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process	Policy in place for addressing supplier non-compliance	Comment
Climate change	Select from: ☒ Yes, suppliers have to meet environmental requirements related to this environmental issue, but they are not included in our supplier contracts	Select from: ☒ Yes, we have a policy in place for addressing non-compliance	Energy management system & waste management are part of the criteria in our procurement policy for our supplier.
Water	Select from: ☒ Yes, environmental requirements related to this environmental issue are included in our supplier contracts	Select from: ☒ Yes, we have a policy in place for addressing non-compliance	Water management system is one of the requirements in the policy

[Fixed row]

(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.

Climate change

(5.11.6.1) Environmental requirement

Select from:

- ☒ Waste and resource reduction and material circularity

(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

- ☒ Grievance mechanism/ Whistleblowing hotline
- ☒ Supplier scorecard or rating
- ☒ Supplier self-assessment

(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

- ☒ 76-99%

(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement

Select from:

- ☒ 76-99%

(5.11.6.7) % tier 1 supplier-related scope 3 emissions attributable to the suppliers required to comply with this environmental requirement

Select from:

- ☒ 1-25%

(5.11.6.8) % tier 1 supplier-related scope 3 emissions attributable to the suppliers in compliance with this environmental requirement

Select from:

- ☒ 76-99%

(5.11.6.9) Response to supplier non-compliance with this environmental requirement

Select from:

- ☒ Retain and engage

(5.11.6.10) % of non-compliant suppliers engaged

Select from:

- ☒ 1-25%

(5.11.6.11) Procedures to engage non-compliant suppliers

Select all that apply

- ☒ Developing quantifiable, time-bound targets and milestones to bring suppliers back into compliance
- ☒ Providing information on appropriate actions that can be taken to address non-compliance
- ☒ Re-integrating suppliers back into upstream value chain based on the successful and verifiable completion of activities

(5.11.6.12) Comment

All the suppliers will need to go through screenings and due diligence process, where we identify the suppliers that are high risk. We will engage with the high risk supplier and work with them to come out with action plans to ensure they will be compliance to our policy in the set amount of period.

Water

(5.11.6.1) Environmental requirement

Select from:

- ☒ Waste and resource reduction and material circularity

(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

- ☒ Grievance mechanism/ Whistleblowing hotline
- ☒ Supplier scorecard or rating
- ☒ Supplier self-assessment

(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

☒ 76-99%

(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement

Select from:

☒ 76-99%

(5.11.6.9) Response to supplier non-compliance with this environmental requirement

Select from:

☒ Retain and engage

(5.11.6.10) % of non-compliant suppliers engaged

Select from:

☒ 1-25%

(5.11.6.11) Procedures to engage non-compliant suppliers

Select all that apply

- ☒ Developing quantifiable, time-bound targets and milestones to bring suppliers back into compliance
- ☒ Providing information on appropriate actions that can be taken to address non-compliance
- ☒ Re-integrating suppliers back into upstream value chain based on the successful and verifiable completion of activities

(5.11.6.12) Comment

All the suppliers will need to go through screenings and due diligence process, where we identify the suppliers that are high risk. We will engage with the high risk supplier and work with them to come out with action plans to ensure they will be compliance to our policy in the set amount of period.

[Add row]

(5.11.7) Provide further details of your organization's supplier engagement on environmental issues.

Climate change

(5.11.7.2) Action driven by supplier engagement

Select from:

- ☒ Waste and resource reduction and improved end-of-life management

(5.11.7.3) Type and details of engagement

Capacity building

- ☒ Provide training, support and best practices on how to make credible renewable energy usage claims
- ☒ Provide training, support and best practices on how to measure GHG emissions
- ☒ Provide training, support and best practices on how to mitigate environmental impact
- ☒ Support suppliers to develop public time-bound action plans with clear milestones

(5.11.7.4) Upstream value chain coverage

Select all that apply

- ☒ Tier 1 suppliers

(5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

- ☒ 1-25%

(5.11.7.6) % of tier 1 supplier-related scope 3 emissions covered by engagement

Select from:

- ☒ 1-25%

(5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

As part of the vendor performance management process, all vendors are subject to performance evaluation on a six-monthly basis. Our approach has identified 17 suppliers as underperforming where we have multiple supplier engagement to help with their improvement plan. We have started targeted action plans for these suppliers to boost their operations. These efforts help us uphold and exceed traditional corporate responsibility standards, demonstrating our commitment to a sustainable and transparent supply chain.

(5.11.7.10) Engagement is helping your tier 1 suppliers meet an environmental requirement related to this environmental issue

Select from:

- ☒ Yes, please specify the environmental requirement :Waste management

(5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action

Select from:

- ☒ Unknown

Water

(5.11.7.2) Action driven by supplier engagement

Select from:

- ☒ Waste and resource reduction and improved end-of-life management

(5.11.7.3) Type and details of engagement

Capacity building

- ☒ Provide training, support and best practices on how to make credible renewable energy usage claims
- ☒ Provide training, support and best practices on how to measure GHG emissions
- ☒ Provide training, support and best practices on how to mitigate environmental impact
- ☒ Support suppliers to develop public time-bound action plans with clear milestones
- ☒ Support suppliers to set their own environmental commitments across their operations

(5.11.7.4) Upstream value chain coverage

Select all that apply

- ☒ Tier 1 suppliers

(5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

☒ 1-25%

(5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

As part of the vendor performance management process, all vendors are subject to performance evaluation on a six-monthly basis. Our approach has identified 17 suppliers as underperforming where we have multiple supplier engagement to help with their improvement plan. We have started targeted action plans for these suppliers to boost their operations. These efforts help us uphold and exceed traditional corporate responsibility standards, demonstrating our commitment to a sustainable and transparent supply chain.

(5.11.7.10) Engagement is helping your tier 1 suppliers meet an environmental requirement related to this environmental issue

Select from:

☒ Yes, please specify the environmental requirement :Use of water resources

(5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action

Select from:

☒ Unknown

[Add row]

(5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain.

Climate change

(5.11.9.1) Type of stakeholder

Select from:

☒ Investors and shareholders

(5.11.9.2) Type and details of engagement

Education/Information sharing

- ☒ Educate and work with stakeholders on understanding and measuring exposure to environmental risks
- ☒ Share information about your products and relevant certification schemes
- ☒ Share information on environmental initiatives, progress and achievements

(5.11.9.3) % of stakeholder type engaged

Select from:

- ☒ 1-25%

(5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

- ☒ 1-25%

(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

To allow investors and shareholders to further understand the on-going initiatives and to be transparent which is fundamental for trust building.

(5.11.9.6) Effect of engagement and measures of success

To allow stakeholders better understand the operations and its impact from our daily activities. Measure of success is by frequency of engagement as well as their direct feedback after each session.

Water

(5.11.9.1) Type of stakeholder

Select from:

- ☒ Investors and shareholders

(5.11.9.2) Type and details of engagement

Education/Information sharing

- ☒ Educate and work with stakeholders on understanding and measuring exposure to environmental risks
- ☒ Share information about your products and relevant certification schemes
- ☒ Share information on environmental initiatives, progress and achievements

(5.11.9.3) % of stakeholder type engaged

Select from:

- ☒ 1-25%

(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

To allow investors and shareholders to further understand the on-going initiatives and to be transparent which is fundamental for trust building.

(5.11.9.6) Effect of engagement and measures of success

To allow stakeholders better understand the operations and its impact from our daily activities. Measure of success is by frequency of engagement as well as their direct feedback after each session.

[Add row]

C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

Climate change

(6.1.1) Consolidation approach used

Select from:

☒ Equity share

(6.1.2) Provide the rationale for the choice of consolidation approach

We monitor, measure and report on our portfolio's absolute Scope 1, Scope 2 and Scope 3 emissions and the emission intensity. While our targets are based on ACWA Power's equity share in our projects, we also report total portfolio metrics.

Water

(6.1.1) Consolidation approach used

Select from:

☒ Equity share

(6.1.2) Provide the rationale for the choice of consolidation approach

The boundary is the operational assets in which ACWA Power has equity shares and which have reached full plant Commercial Operation Date (COD).

Plastics

(6.1.1) Consolidation approach used

Select from:

☒ Equity share

(6.1.2) Provide the rationale for the choice of consolidation approach

plastics are not currently reported as a separate waste management category

Biodiversity

(6.1.1) Consolidation approach used

Select from:

☒ Equity share

(6.1.2) Provide the rationale for the choice of consolidation approach

All our projects are subject to an environmental and social impact assessment (ESIA) to identify and mitigate any potential negative impacts to biodiversity and adhere to international good practice standards,
[Fixed row]

C7. Environmental performance - Climate Change

(7.1) Is this your first year of reporting emissions data to CDP?

Select from:

☒ No

(7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

	Has there been a structural change?
	Select all that apply ☒ No

[Fixed row]

(7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

(7.1.2.1) Change(s) in methodology, boundary, and/or reporting year definition?

Select all that apply

☒ Yes, a change in methodology

(7.1.2.2) Details of methodology, boundary, and/or reporting year definition change(s)

Previously we used equity basis but we do not account for any lease arrangement criteria. In 2024, we have included the lease arrangement where based on equity basis approach, the finance lease assets are categorised in scope 3 emissions, aligned with GHG protocol.
[Fixed row]

(7.1.3) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in 7.1.1 and/or 7.1.2?

(7.1.3.1) Base year recalculation

Select from:

☒ Yes

(7.1.3.2) Scope(s) recalculated

Select all that apply

☒ Scope 1

☒ Scope 2, location-based

☒ Scope 3

(7.1.3.3) Base year emissions recalculation policy, including significance threshold

Previously, all emissions were reported under Scope 1 and 2 regardless of leasing arrangements. As part of our continuous improvement, we have refined our classification by reallocating emissions from assets under finance lease arrangements, where ACWA Power acts as the lessor, from Scope 1 and 2 to Scope 3, Category 13 - Downstream Leased Assets, in line with GHG Protocol guidance. This adjustment is considered a boundary refinement rather than a historical correction.

(7.1.3.4) Past years' recalculation

Select from:

☒ Yes

[Fixed row]

(7.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Select all that apply

- ☒ 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories
- ☒ The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- ☒ The Greenhouse Gas Protocol: Scope 2 Guidance

(7.3) Describe your organization’s approach to reporting Scope 2 emissions.

	Scope 2, location-based	Scope 2, market-based	Comment
	Select from: ☒ We are reporting a Scope 2, location-based figure	Select from: ☒ We have no operations where we are able to access electricity supplier emission factors or residual emissions factors and are unable to report a Scope 2, market-based figure	Scope 2 emissions covers ACWA Power’s indirect emissions, for example due to purchases of steam and electricity from the grid.

[Fixed row]

(7.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?

Select from:

- ☒ No

(7.5) Provide your base year and base year emissions.

Scope 1

(7.5.1) Base year end

12/30/2020

(7.5.2) Base year emissions (metric tons CO2e)

21540000

(7.5.3) Methodological details

Scope 2 (location-based)

(7.5.1) Base year end

12/30/2020

(7.5.2) Base year emissions (metric tons CO2e)

250000

Scope 3 category 1: Purchased goods and services

(7.5.3) Methodological details

Not disclosed

Scope 3 category 2: Capital goods

(7.5.3) Methodological details

Not disclosed

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.5.3) Methodological details

Not disclosed

Scope 3 category 4: Upstream transportation and distribution

(7.5.3) Methodological details

Not disclosed

Scope 3 category 5: Waste generated in operations

(7.5.3) Methodological details

Not disclosed

Scope 3 category 6: Business travel

(7.5.3) Methodological details

Not disclosed

Scope 3 category 7: Employee commuting

(7.5.3) Methodological details

Not disclosed

Scope 3 category 13: Downstream leased assets

(7.5.1) Base year end

12/30/2020

(7.5.2) Base year emissions (metric tons CO2e)

5000000

[Fixed row]

(7.6) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

	Gross global Scope 1 emissions (metric tons CO2e)	End date	Methodological details
Reporting year	20780000	Date input [must be between [11/19/2015 - 11/19/2024]	Rich text input [must be under 2500 characters]
Past year 1	21600000	12/30/2023	Equity basis based on GHG protocol
Past year 2	20010000	12/30/2022	Equity basis based on GHG protocol
Past year 3	21540000	12/30/2021	Equity basis based on GHG protocol

[Fixed row]

(7.7) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

	Gross global Scope 2, location- based emissions (metric tons CO2e)	End date	Methodological details
Reporting year	210000	Date input [must be between [11/19/2015 - 11/19/2024]	Equity basis based on GHG protocol
Past year 1	250000	12/30/2023	Equity basis based on GHG protocol
Past year 2	280000	12/30/2022	Equity basis based on GHG protocol

	Gross global Scope 2, location-based emissions (metric tons CO2e)	End date	Methodological details
Past year 3	250000	12/30/2021	Equity basis based on GHG protocol

[Fixed row]

(7.8) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

(7.8.1) Evaluation status

Select from:

☒ Not evaluated

Capital goods

(7.8.1) Evaluation status

Select from:

☒ Not evaluated

Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.8.1) Evaluation status

Select from:

☒ Not evaluated

Upstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☒ Not evaluated

Waste generated in operations

(7.8.1) Evaluation status

Select from:

☒ Not evaluated

Business travel

(7.8.1) Evaluation status

Select from:

☒ Not evaluated

Employee commuting

(7.8.1) Evaluation status

Select from:

☒ Not evaluated

Upstream leased assets

(7.8.1) Evaluation status

Select from:

☒ Not evaluated

Downstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

7210000

(7.8.3) Emissions calculation methodology

Select all that apply

☒ Fuel-based method

☒ Lessor-specific method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

[Fixed row]

(7.8.1) Disclose or restate your Scope 3 emissions data for previous years.

Past year 1

(7.8.1.1) End date

12/30/2023

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

0

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

0

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

0

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

0

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

0

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

0

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

0

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

0

(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)

0

(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)

0

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

0

(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)

0

(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)

5000000

(7.8.1.15) Scope 3: Franchises (metric tons CO2e)

0

(7.8.1.16) Scope 3: Investments (metric tons CO2e)

0

(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)

0

(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)

0

(7.8.1.19) Comment

We have only measured and monitored Scope 3 Category 13 Downstream leased asset emissions, as it is deemed to be the most significant scope 3 category for ACWA power.

Past year 2

(7.8.1.1) End date

12/30/2022

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

0

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

0

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

0

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

0

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

0

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

0

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

0

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

0

(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)

0

(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)

0

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

0

(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)

0

(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)

5910000

(7.8.1.15) Scope 3: Franchises (metric tons CO2e)

0

(7.8.1.16) Scope 3: Investments (metric tons CO2e)

0

(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)

0

(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)

0

(7.8.1.19) Comment

We have only measured and monitored Scope 3 Category 13 Downstream leased asset emissions, as it is deemed to be the most significant scope 3 category for ACWA power.

Past year 3

(7.8.1.1) End date

12/30/2021

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

0

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

0

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

0

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

0

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

0

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

0

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

0

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

0

(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)

0

(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)

0

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

0

(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)

0

(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)

5940000

(7.8.1.15) Scope 3: Franchises (metric tons CO2e)

0

(7.8.1.16) Scope 3: Investments (metric tons CO2e)

0

(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)

0

(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)

(7.8.1.19) Comment

We have only measured and monitored Scope 3 Category 13 Downstream leased asset emissions, as it is deemed to be the most significant scope 3 category for ACWA power.

[Fixed row]

(7.9) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	<i>Select from:</i> ☒ Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	<i>Select from:</i> ☒ Third-party verification or assurance process in place
Scope 3	<i>Select from:</i> ☒ Third-party verification or assurance process in place

[Fixed row]

(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.**Row 1****(7.9.1.1) Verification or assurance cycle in place**

Select from:

☒ Annual process

(7.9.1.2) Status in the current reporting year

Select from:

☒ Complete

(7.9.1.3) Type of verification or assurance

Select from:

☒ Limited assurance

(7.9.1.4) Attach the statement

Assurance from acwa_power_eng_ar24_00_book_1208_1839.pdf

(7.9.1.5) Page/section reference

all

(7.9.1.6) Relevant standard

Select from:

☒ Other, please specify :GHG Protocol, GRI standard

(7.9.1.7) Proportion of reported emissions verified (%)

100

[Add row]

(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Row 1

(7.9.2.1) Scope 2 approach

Select from:

☒ Scope 2 location-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

☒ Annual process

(7.9.2.3) Status in the current reporting year

Select from:

☒ Complete

(7.9.2.4) Type of verification or assurance

Select from:

☒ Limited assurance

(7.9.2.5) Attach the statement

Assurance from *acwa_power_eng_ar24_00_book_1208_1839.pdf*

(7.9.2.6) Page/ section reference

all

(7.9.2.7) Relevant standard

Select from:

☒ Other, please specify :GHG Protocol, GRI standard

(7.9.2.8) Proportion of reported emissions verified (%)

(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Row 1

(7.9.3.1) Scope 3 category

Select all that apply

☒ Scope 3: Downstream leased assets

(7.9.3.2) Verification or assurance cycle in place

Select from:

☒ Annual process

(7.9.3.3) Status in the current reporting year

Select from:

☒ Complete

(7.9.3.4) Type of verification or assurance

Select from:

☒ Limited assurance

(7.9.3.5) Attach the statement

Assurance from acwa_power_eng_ar24_00_book_1208_1839.pdf

(7.9.3.6) Page/section reference

Emission intensity include scope 3 assurance

(7.9.3.7) Relevant standard

Select from:

☒ Other, please specify :GHG Protocol, GRI standard

(7.9.3.8) Proportion of reported emissions verified (%)

100

[Add row]

(7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Select from:

☒ Decreased

(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

Change in renewable energy consumption

(7.10.1.1) Change in emissions (metric tons CO2e)

52634.55

(7.10.1.2) Direction of change in emissions

Select from:

☒ Decreased

(7.10.1.3) Emissions value (percentage)

(7.10.1.4) Please explain calculation

By comparing all the way to the baseline year 2020, we have increased adoption of renewable energy at our operating sites. This causes the emission to reduce over the past year, the contribution factor is around 7%.

Other emissions reduction activities

(7.10.1.1) Change in emissions (metric tons CO2e)

480000

(7.10.1.2) Direction of change in emissions

Select from:

☒ Decreased

(7.10.1.3) Emissions value (percentage)

57

(7.10.1.4) Please explain calculation

Back in 2020, we still have a power plant that was burning coal. Since then, we have retrofit the plant and convert it to a gas power plant, which is a lower emissions source fossil fuel.

Divestment

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

n/a

Acquisitions

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

n/a

Mergers

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

n/a

Change in output

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

n/a

Change in methodology

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

n/a

Change in boundary

(7.10.1.1) Change in emissions (metric tons CO₂e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

n/a

Change in physical operating conditions

(7.10.1.1) Change in emissions (metric tons CO2e)

274854.59

(7.10.1.2) Direction of change in emissions

Select from:

☒ Decreased

(7.10.1.3) Emissions value (percentage)

34

(7.10.1.4) Please explain calculation

This is due to a lot of physical changes to the operations, mainly to improve the operating efficiency, less shut down, less fuel combustion, etc. In overall, our power plant electricity generation efficiency and water desalination's specific power consumption are decreased year-on-year basis.

Unidentified

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

n/a

Other

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

n/a

[Fixed row]

(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

Select from:

☒ No

(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Select from:

☒ Yes

(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).

Row 1

(7.15.1.1) Greenhouse gas

Select from:

☒ CO2

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

20740000

(7.15.1.3) GWP Reference

Select from:

☒ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 2

(7.15.1.1) Greenhouse gas

Select from:

☒ CH4

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

562

(7.15.1.3) GWP Reference

Select from:

☒ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 3

(7.15.1.1) Greenhouse gas

Select from:

☒ N2O

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

91.84

(7.15.1.3) GWP Reference

Select from:

☒ IPCC Sixth Assessment Report (AR6 - 100 year)

[Add row]

(7.15.3) Break down your total gross global Scope 1 emissions from electric utilities value chain activities by greenhouse gas type.

Fugitives

(7.15.3.1) Gross Scope 1 CO2 emissions (metric tons CO2)

0

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH4)

0

(7.15.3.3) Gross Scope 1 SF6 emissions (metric tons SF6)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO2e)

0

(7.15.3.5) Comment

n/a

Combustion (Electric utilities)

(7.15.3.1) Gross Scope 1 CO2 emissions (metric tons CO2)

20740000

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH4)

562

(7.15.3.3) Gross Scope 1 SF6 emissions (metric tons SF6)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO2e)

20780000

(7.15.3.5) Comment

Combustion for electricity generation

Combustion (Gas utilities)

(7.15.3.1) Gross Scope 1 CO2 emissions (metric tons CO2)

0

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH4)

0

(7.15.3.3) Gross Scope 1 SF6 emissions (metric tons SF6)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO2e)

0

(7.15.3.5) Comment

n/a

Combustion (Other)

(7.15.3.1) Gross Scope 1 CO2 emissions (metric tons CO2)

0

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH4)

0

(7.15.3.3) Gross Scope 1 SF6 emissions (metric tons SF6)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO2e)

0

(7.15.3.5) Comment

n/a

Emissions not elsewhere classified

(7.15.3.1) Gross Scope 1 CO2 emissions (metric tons CO2)

0

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH4)

0

(7.15.3.3) Gross Scope 1 SF6 emissions (metric tons SF6)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO2e)

0

(7.15.3.5) Comment

n/a

[Fixed row]

(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.

Azerbaijan

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Bahrain

(7.16.1) Scope 1 emissions (metric tons CO2e)

1920000

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

China

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Egypt

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

760

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Indonesia

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Jordan

(7.16.1) Scope 1 emissions (metric tons CO2e)

800000

(7.16.2) Scope 2, location-based (metric tons CO2e)

380

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Kazakhstan

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Morocco

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

130

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Oman

(7.16.1) Scope 1 emissions (metric tons CO2e)

2890000

(7.16.2) Scope 2, location-based (metric tons CO2e)

27120

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Saudi Arabia

(7.16.1) Scope 1 emissions (metric tons CO2e)

14200000

(7.16.2) Scope 2, location-based (metric tons CO2e)

180660

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

South Africa

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Turkey

(7.16.1) Scope 1 emissions (metric tons CO2e)

980000

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

United Arab Emirates

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

1800

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Uzbekistan

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0
[Fixed row]

(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

Select all that apply

☒ By activity

(7.17.3) Break down your total gross global Scope 1 emissions by business activity.

	Activity	Scope 1 emissions (metric tons CO2e)
Row 1	<i>electricity production</i>	<i>20390000</i>
Row 2	<i>water desalination (thermal desalination)</i>	<i>0</i>
Row 3	<i>steam production</i>	<i>380000</i>

[Add row]

(7.19) Break down your organization's total gross global Scope 1 emissions by sector production activity in metric tons CO2e.

Electric utility activities

(7.19.1) Gross Scope 1 emissions, metric tons CO2e

20780000

(7.19.3) Comment

Scope 1 is 100% contributed by electricity utility activities, as thermal water desalination assets are all under finance lease, where it is categorised as Scope 3.

[Fixed row]

(7.20) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

Select all that apply

☒ By activity

(7.20.3) Break down your total gross global Scope 2 emissions by business activity.

	Activity	Scope 2, location-based (metric tons CO2e)
Row 1	Water desalination - seawater reverse osmosis	210000
Row 2	Solar power using grid to power after consuming its own storage power	10000
Row 3	Wind power to use grid power when it finishes its own power storage	130

[Add row]

(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.

	Scope 1 emissions (metric tons CO2e)	Scope 2, location-based emissions (metric tons CO2e)	Please explain
Consolidated accounting group	20780000	210000	ACWA Power has also consolidate NOMAC as NOMAC is our fully own subsidiary.

[Fixed row]

(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

Select from:

☒ No

(7.29) What percentage of your total operational spend in the reporting year was on energy?

Select from:

☒ More than 5% but less than or equal to 10%

(7.30) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Select from: ☒ Yes
Consumption of purchased or acquired electricity	Select from: ☒ Yes
Consumption of purchased or acquired heat	Select from: ☒ No
Consumption of purchased or acquired steam	Select from: ☒ No
Consumption of purchased or acquired cooling	Select from: ☒ No

	Indicate whether your organization undertook this energy-related activity in the reporting year
Generation of electricity, heat, steam, or cooling	Select from: ☒ No

[Fixed row]

(7.30.1) Report your organization’s energy consumption totals (excluding feedstocks) in MWh.

Consumption of fuel (excluding feedstock)

(7.30.1.1) Heating value

Select from:
☒ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

90142569

(7.30.1.4) Total (renewable + non-renewable) MWh

90142569.00

Consumption of purchased or acquired electricity

(7.30.1.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

90060

(7.30.1.3) MWh from non-renewable sources

380227

(7.30.1.4) Total (renewable + non-renewable) MWh

470287.00

Total energy consumption

(7.30.1.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

90060

(7.30.1.3) MWh from non-renewable sources

90612856

(7.30.1.4) Total (renewable + non-renewable) MWh

90702916.00

[Fixed row]

(7.30.6) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Select from: ☒ Yes
Consumption of fuel for the generation of heat	Select from: ☒ No
Consumption of fuel for the generation of steam	Select from: ☒ No
Consumption of fuel for the generation of cooling	Select from: ☒ No
Consumption of fuel for co-generation or tri-generation	Select from: ☒ No

[Fixed row]

(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

n/a

Other biomass

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

n/a

Other renewable fuels (e.g. renewable hydrogen)

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

n/a

Coal

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

n/a

Oil

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

57150589

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

The number is converted from fuel consumption Tj to MWh

Gas

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

32991981

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

The number is converted from fuel consumption Tj to MWh

Other non-renewable fuels (e.g. non-renewable hydrogen)

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

n/a

Total fuel

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

90142569

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

*The number is converted from fuel consumption Tj to MWh
[Fixed row]*

(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.

Azerbaijan

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Bahrain

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

China

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Egypt

(7.30.16.1) Consumption of purchased electricity (MWh)

3133

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

3133.00

Indonesia

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Jordan

(7.30.16.1) Consumption of purchased electricity (MWh)

1422

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1422.00

Kazakhstan

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Morocco

(7.30.16.1) Consumption of purchased electricity (MWh)

2116

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

2116.00

Oman

(7.30.16.1) Consumption of purchased electricity (MWh)

120821

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

120821.00

Saudi Arabia

(7.30.16.1) Consumption of purchased electricity (MWh)

1798505

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1798505.00

South Africa

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Turkey

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

United Arab Emirates

(7.30.16.1) Consumption of purchased electricity (MWh)

1560145

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1560145.00

Uzbekistan

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

[Fixed row]

(7.33) Does your electric utility organization have a transmission and distribution business?

Select from:

☒ No

(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Row 1

(7.45.1) Intensity figure

3.33

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

20990000

(7.45.3) Metric denominator

Select from:

☒ unit total revenue

(7.45.4) Metric denominator: Unit total

6297298000

(7.45.5) Scope 2 figure used

Select from:

☒ Location-based

(7.45.6) % change from previous year

7

(7.45.7) Direction of change

Select from:

☒ Decreased

(7.45.8) Reasons for change

Select all that apply

☒ Change in renewable energy consumption

☒ Other emissions reduction activities

☒ Change in revenue

☒ Change in physical operating conditions

(7.45.9) Please explain

The change is contributed by having more renewable plants that has reach full operating plant phase, whereby it has increase our revenue and close to zero emissions. Other initiatives such as changing to lower fossil fuel consumption sources and improvement in operating efficiency.

[Add row]

(7.46) For your electric utility activities, provide a breakdown of your Scope 1 emissions and emissions intensity relating to your total power plant capacity and generation during the reporting year by source.

Oil

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

9220000

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Gross

(7.46.3) Scope 1 emissions intensity (Gross generation)

381.70

(7.46.4) Scope 1 emissions intensity (Net generation)

447.79

Gas

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

11550000

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Gross

(7.46.3) Scope 1 emissions intensity (Gross generation)

114.27

(7.46.4) Scope 1 emissions intensity (Net generation)

119.19

Wind

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

0

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Gross

(7.46.3) Scope 1 emissions intensity (Gross generation)

0.00

(7.46.4) Scope 1 emissions intensity (Net generation)

0.00

Solar

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

0

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Gross

(7.46.3) Scope 1 emissions intensity (Gross generation)

0.00

(7.46.4) Scope 1 emissions intensity (Net generation)

0.00

Total

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

20990000

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Gross

(7.46.3) Scope 1 emissions intensity (Gross generation)

152.65

[Fixed row]

(7.52) Provide any additional climate-related metrics relevant to your business.

Row 1

(7.52.1) Description

Select from:

☒ Waste

(7.52.2) Metric value

(7.52.3) Metric numerator*Recycled and reused waste (%)***(7.52.4) Metric denominator (intensity metric only)***Waste generation***(7.52.5) % change from previous year**

3

(7.52.6) Direction of change*Select from:*☒ Increased**(7.52.7) Please explain***We have increased the amount of waste that are recycled, reused and repurposed. This include fly ash where we collaborate with cement company to turn fly ash into usable raw material for construction.***Row 2****(7.52.1) Description***Select from:*☒ Other, please specify :Total portfolio gross renewable capacity**(7.52.2) Metric value**

0.5

(7.52.3) Metric numerator

Renewable capacity

(7.52.4) Metric denominator (intensity metric only)

Total power capacity

(7.52.5) % change from previous year

6

(7.52.6) Direction of change

Select from:

☒ Increased

(7.52.7) Please explain

Our total renewable energy portfolio has increased by 6% in 2024 compared to 2023. We have set a target of reaching at least 50% renewable portfolio by 2030. We have achieved this target six years ahead of schedule in 2024, achieving 50.4%. ACWA Power has also reset a more ambitious target of reaching 70% by 2030 in 2024.
[Add row]

(7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

☒ Intensity target

(7.53.2) Provide details of your emissions intensity targets and progress made against those targets.

Row 1

(7.53.2.1) Target reference number

Select from:

☒ Int 1

(7.53.2.2) Is this a science-based target?

Select from:

- ☒ No, and we do not anticipate setting one in the next two years

(7.53.2.5) Date target was set

12/30/2022

(7.53.2.6) Target coverage

Select from:

- ☒ Business activity

(7.53.2.7) Greenhouse gases covered by target

Select all that apply

- ☒ Carbon dioxide (CO2)
☒ Methane (CH4)
☒ Nitrous oxide (N2O)

(7.53.2.8) Scopes

Select all that apply

- ☒ Scope 1
☒ Scope 2

(7.53.2.9) Scope 2 accounting method

Select from:

- ☒ Location-based

(7.53.2.11) Intensity metric

Select from:

☒ Metric tons CO2e per megawatt hour (MWh)

(7.53.2.12) End date of base year

12/30/2020

(7.53.2.13) Intensity figure in base year for Scope 1

0.533821

(7.53.2.14) Intensity figure in base year for Scope 2

0.000043

(7.53.2.33) Intensity figure in base year for all selected Scopes

0.5338640000

(7.53.2.34) % of total base year emissions in Scope 1 covered by this Scope 1 intensity figure

92

(7.53.2.35) % of total base year emissions in Scope 2 covered by this Scope 2 intensity figure

1

(7.53.2.54) % of total base year emissions in all selected Scopes covered by this intensity figure

91

(7.53.2.55) End date of target

12/30/2030

(7.53.2.56) Targeted reduction from base year (%)

(7.53.2.57) Intensity figure at end date of target for all selected Scopes

0.2669320000

(7.53.2.58) % change anticipated in absolute Scope 1+2 emissions

40

(7.53.2.60) Intensity figure in reporting year for Scope 1

0.468459059

(7.53.2.61) Intensity figure in reporting year for Scope 2

0.000151769

(7.53.2.80) Intensity figure in reporting year for all selected Scopes

0.4686108280

(7.53.2.81) Land-related emissions covered by target*Select from:*☒ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)**(7.53.2.82) % of target achieved relative to base year**

24.45

(7.53.2.83) Target status in reporting year*Select from:*☒ Underway

(7.53.2.85) Explain target coverage and identify any exclusions

The target is relating to the emissions relevant to power generation. Water desalination which accounts roughly <10% of total emissions are not included in this target.

(7.53.2.86) Target objective

To ensure we continuously improve our efficiency and reducing our product's carbon footprint.

(7.53.2.87) Plan for achieving target, and progress made to the end of the reporting year

We have a new strategy set in 2023 that for all new power plant, 70% will come from renewable energy plant. It will speed up ACWA Power's renewable energy portfolio. Majority of our renewable assets are still in constuction or partial operations. When they reach full operating phase, the intensity figure will reduce.

(7.53.2.88) Target derived using a sectoral decarbonization approach

Select from:

☒ No

[Add row]

(7.54) Did you have any other climate-related targets that were active in the reporting year?

Select all that apply

☒ Net-zero targets

☒ Other climate-related targets

(7.54.2) Provide details of any other climate-related targets, including methane reduction targets.

Row 1

(7.54.2.1) Target reference number

Select from:

☒ Oth 1

(7.54.2.2) Date target was set

12/30/2022

(7.54.2.3) Target coverage

Select from:

☒ Organization-wide

(7.54.2.4) Target type: absolute or intensity

Select from:

☒ Absolute

(7.54.2.5) Target type: category & metric (target numerator if reporting an intensity target)

Energy productivity

☒ Other, energy productivity, please specify :Renewable capacity

(7.54.2.7) End date of base year

12/30/2020

(7.54.2.8) Figure or percentage in base year

28

(7.54.2.9) End date of target

12/30/2030

(7.54.2.10) Figure or percentage at end of date of target

50

(7.54.2.11) Figure or percentage in reporting year

50.4

(7.54.2.12) % of target achieved relative to base year

101.8181818182

(7.54.2.13) Target status in reporting year

Select from:

☒ Achieved

(7.54.2.15) Is this target part of an emissions target?

This can contribute to reducing the overall carbon footprint of portfolios.

(7.54.2.16) Is this target part of an overarching initiative?

Select all that apply

☒ No, it's not part of an overarching initiative

(7.54.2.18) Please explain target coverage and identify any exclusions

The target covers all renewable power portfolio in operations, under construction and advanced development.

(7.54.2.19) Target objective

To expand renewable business and diversify fossil fuel investments

(7.54.2.21) List the actions which contributed most to achieving this target

Expanding the renewable energy portfolio into new market. We have also ventured into alternative renewable portfolio such as green hydrogen and BESS.
[Add row]

(7.54.3) Provide details of your net-zero target(s).

Row 1

(7.54.3.1) Target reference number

Select from:

☒ NZ1

(7.54.3.2) Date target was set

12/30/2022

(7.54.3.3) Target Coverage

Select from:

☒ Business activity

(7.54.3.4) Targets linked to this net zero target

Select all that apply

☒ Abs1

☒ Abs2

(7.54.3.5) End date of target for achieving net zero

12/30/2050

(7.54.3.6) Is this a science-based target?

Select from:

☒ No, and we do not anticipate setting one in the next two years

(7.54.3.8) Scopes

Select all that apply

- ☒ Scope 1
- ☒ Scope 2

(7.54.3.9) Greenhouse gases covered by target

Select all that apply

- ☒ Carbon dioxide (CO2)
- ☒ Methane (CH4)
- ☒ Nitrous oxide (N2O)

(7.54.3.10) Explain target coverage and identify any exclusions

The target is to reduce 100% of our owned Scope 1 and Scope 2 emissions. Scope 3 emissions are excluded in this target.

(7.54.3.11) Target objective

To reduce absolute emissions and be in line with Paris Agreement.

(7.54.3.12) Do you intend to neutralize any residual emissions with permanent carbon removals at the end of the target?

Select from:

- ☒ Unsure

(7.54.3.13) Do you plan to mitigate emissions beyond your value chain?

Select from:

- ☒ No, and we do not plan to within the next two years

(7.54.3.17) Target status in reporting year

Select from:

- ☒ Underway

(7.54.3.19) Process for reviewing target

We have set a target to reach net zero for scope 1 and scope 2, as a power company and using equity basis, these are our main emissions footprint. We believe it is a doable target as currently, we have around 50.4% of renewable assets, over the total portfolio. Moving towards 2050, we will reach closer to 90-100% renewable portfolio. Depending on the final status, we estimated we have around 3% of our emissions left that can be balanced out with carbon offset in 2050.

[Add row]

(7.55) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Select from:

☒ Yes

(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e
Under investigation	0	`Numeric input
To be implemented	15	9373156.08
Implementation commenced	18	9792280.95
Implemented	4	940300.14
Not to be implemented	0	`Numeric input

[Fixed row]

(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.

Row 1

(7.55.2.1) Initiative category & Initiative type

Low-carbon energy generation

☒ Solar PV

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

900000

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☒ Scope 1

☒ Scope 2 (location-based)

(7.55.2.4) Voluntary/Mandatory

Select from:

☒ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in 1.2)

113800000

(7.55.2.6) Investment required (unit currency – as specified in 1.2)

2334000000

(7.55.2.7) Payback period

Select from:

☒ 4-10 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☒ 21-30 years

(7.55.2.9) Comment

3 large scale of PV solar plants has been completed and reach full commercial operating phase in 2024. Three of these are Sudair PV, Kom ombo PV, and Ar rass PV.

Row 2

(7.55.2.1) Initiative category & Initiative type

Low-carbon energy generation

☒ Solar PV

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

40300

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☒ Scope 2 (location-based)

(7.55.2.4) Voluntary/Mandatory

Select from:

☒ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in 1.2)

17700000

(7.55.2.6) Investment required (unit currency – as specified in 1.2)

(7.55.2.7) Payback period

Select from:

☒ 4-10 years**(7.55.2.8) Estimated lifetime of the initiative**

Select from:

☒ 21-30 years**(7.55.2.9) Comment**

Taweelah IWP, UAE The world's largest reverse osmosis desalination plant with capacity of 909,200 m3/day. The plant is 44% bigger than the world's current largest RO plant in terms of capacity and it uses 70 MWp of PV.

[Add row]

(7.55.3) What methods do you use to drive investment in emissions reduction activities?**Row 1****(7.55.3.1) Method**

Select from:

☒ Financial optimization calculations**(7.55.3.2) Comment**

The initiative will undergo a series of studies to assess the feasibility and implementation difficulties. Once reviewed, it will be included in the plan. Stakeholder engagement is crucial, as we are project developers and operators, but the products will be sent to off-takers. We will need to discuss all necessary initiatives with the off-takers.

[Add row]

(7.58) Describe your organization's efforts to reduce methane emissions from your activities.

Initiative 1: Increasing our investment in renewable energy which do not produce methane. Initiative 2: Enhancing the efficiency of existing thermal power plants to reduce the amount of natural gas used per unit of electricity generated, thereby reducing methane emissions associated with gas extraction and transport.

(7.74) Do you classify any of your existing goods and/or services as low-carbon products?

Select from:

☒ Yes

(7.74.1) Provide details of your products and/or services that you classify as low-carbon products.

Row 1

(7.74.1.1) Level of aggregation

Select from:

☒ Group of products or services

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

☒ The IEA Energy Technology Perspectives Clean Energy Technology Guide

(7.74.1.3) Type of product(s) or service(s)

Power

☒ Solar PV

(7.74.1.4) Description of product(s) or service(s)

Photovoltaic (PV) solar panels convert sunlight directly into electricity using semiconducting materials such as silicon. When sunlight hits the solar cells, it excites electrons, creating an electric current. This technology is used in a variety of applications, from small-scale installations on residential rooftops to large-scale solar farms that contribute significantly to grid power. PV systems are popular due to their ability to harness renewable energy, reduce dependence on fossil fuels, and

decrease greenhouse gas emissions. They are also scalable and can be installed almost anywhere that receives sunlight, making them a versatile solution for sustainable energy generation.

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

☒ Yes

(7.74.1.6) Methodology used to calculate avoided emissions

Select from:

☒ Other, please specify :ACM0002: Consolidated Methodology for Grid-connected electricity generation from renewable sources, Version 22.0,' a framework developed by the UNFCCC

(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

☒ Use stage

(7.74.1.8) Functional unit used

Operating greenfield solar PV plant with actual power export of 6114804MWh in 2023 vs national grid supplied of 6114804MWh electricity. (whole year of 2023)

(7.74.1.9) Reference product/service or baseline scenario used

National grid supply

(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

☒ Use stage

(7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

(7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

The calculation is based on actual power export by PV solar plant in 2024. All PV solar plant are greenfield. The formula used is Emissions Reduction = Baseline emissions - Project emissions - Leakage emission. Leakage emission is assumed to be zero.

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

13.4

Row 2**(7.74.1.1) Level of aggregation**

Select from:

☒ Group of products or services

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

☒ The IEA Energy Technology Perspectives Clean Energy Technology Guide

(7.74.1.3) Type of product(s) or service(s)

Power

☒ Solar tower

(7.74.1.4) Description of product(s) or service(s)

Concentrated Solar Power (CSP) systems use mirrors or lenses to concentrate a large area of sunlight onto a small area. The concentrated light is then used as heat, which can be stored and used to produce electricity. Unlike photovoltaic (PV) systems that convert light directly into electricity, CSP uses heat, which can be stored for several hours, allowing for power generation even when the sun is not shining. This makes CSP particularly useful for providing stable, dispatchable power. CSP plants are typically large and are best suited for locations with high direct sunlight.

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

☒ Yes

(7.74.1.6) Methodology used to calculate avoided emissions

Select from:

☒ Other, please specify :ACM0002: Consolidated Methodology for Grid-connected electricity generation from renewable sources, Version 22.0,' a framework developed by the UNFCCC

(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

☒ Use stage

(7.74.1.8) Functional unit used

Operating greenfield CSP plant with actual power export of 2478264MWh in 2023 vs national grid supplied of 2478264MWh electricity. (whole year of 2023)

(7.74.1.9) Reference product/service or baseline scenario used

National grid supply

(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

☒ Use stage

(7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

1980000

(7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

The calculation is based on actual power export by CSP plant in 2024. All plants are greenfield. The formula used is Emissions Reduction = Baseline emissions - Project emissions - Leakage emission. Leakage emission is assumed to be zero.

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

6

Row 3

(7.74.1.1) Level of aggregation

Select from:

☒ Group of products or services

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

☒ The IEA Energy Technology Perspectives Clean Energy Technology Guide

(7.74.1.3) Type of product(s) or service(s)

Power

☒ Onshore wind

(7.74.1.4) Description of product(s) or service(s)

Onshore wind farms harness the kinetic energy of the wind to generate electricity

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

☒ Yes

(7.74.1.6) Methodology used to calculate avoided emissions

Select from:

☒ Other, please specify :ACM0002: Consolidated Methodology for Grid-connected electricity generation from renewable sources, Version 22.0,' a framework developed by the UNFCCC

(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

☒ Use stage

(7.74.1.8) Functional unit used

Operating greenfield wind plant with actual power export of 324908MWh in 2023 vs national grid supplied of 324908MWh electricity. (whole year of 2023)

(7.74.1.9) Reference product/service or baseline scenario used

National grid supply

(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

☒ Use stage

(7.74.1.11) Estimated avoided emissions (metric tons CO₂e per functional unit) compared to reference product/service or baseline scenario

289998

(7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

The calculation is based on actual power export by wind plant in 2024. All plants are greenfield. The formula used is Emissions Reduction = Baseline emissions - Project emissions - Leakage emission. Leakage emission is assumed to be zero.

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

0.5

[Add row]

(7.79) Has your organization retired any project-based carbon credits within the reporting year?

Select from:

☒ No

C9. Environmental performance - Water security

(9.1) Are there any exclusions from your disclosure of water-related data?

Select from:

☒ No

(9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

Water withdrawals – total volumes

(9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

(9.2.2) Frequency of measurement

Select from:

☒ Daily

(9.2.3) Method of measurement

Meter / Tank volume

(9.2.4) Please explain

Water withdrawal is measured by meters in the daily manner in all our operations.

Water withdrawals – volumes by source

(9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

(9.2.2) Frequency of measurement

Select from:

☒ Daily

(9.2.3) Method of measurement

Meter / Tank volume

(9.2.4) Please explain

Water sources are identified in all operations.

Water withdrawals quality

(9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

(9.2.2) Frequency of measurement

Select from:

☒ Continuously

(9.2.3) Method of measurement

Meter

(9.2.4) Please explain

Water quality is crucial for water desalination process as it determine the pre-treatment process.

Water discharges – total volumes

(9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

(9.2.2) Frequency of measurement

Select from:

☒ Daily

(9.2.3) Method of measurement

Meter / Tank volume

(9.2.4) Please explain

Discharge is measured by meter for all operations.

Water discharges – volumes by destination

(9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

(9.2.2) Frequency of measurement

Select from:

☒ Daily

(9.2.3) Method of measurement

Meter/ Tank

(9.2.4) Please explain

Water discharge destination is known for all operations.

Water discharges – volumes by treatment method

(9.2.1) % of sites/facilities/operations

Select from:

☒ Not monitored

(9.2.4) Please explain

Water discharge treatment is known but not collected from the site team.

Water discharge quality – by standard effluent parameters

(9.2.1) % of sites/facilities/operations

Select from:

☒ Not monitored

(9.2.4) Please explain

Water discharge quality is monitored but not collected from the site team.

Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)

(9.2.1) % of sites/facilities/operations

Select from:

☒ Not relevant

(9.2.4) Please explain

Water discharge quality is monitored but not collected from the site team.

Water discharge quality – temperature

(9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

(9.2.2) Frequency of measurement

Select from:

☒ Continuously

(9.2.3) Method of measurement

Meter

(9.2.4) Please explain

Discharge temperature is crucial for water desalination process as it has the impact to the local water body.

Water consumption – total volume

(9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

(9.2.2) Frequency of measurement

Select from:

☒ Daily

(9.2.3) Method of measurement

Calculated

(9.2.4) Please explain

Water consumption is calculated based on water withdrawal-discharge-water export (for water desalination assets).
[Fixed row]

(9.2.2) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?

Total withdrawals

(9.2.2.1) Volume (megaliters/year)

5522328

(9.2.2.2) Comparison with previous reporting year

Select from:

☒ Higher

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☒ Facility expansion

(9.2.2.4) Five-year forecast

Select from:

☒ Higher

(9.2.2.5) Primary reason for forecast

Select from:

☒ Facility expansion

(9.2.2.6) Please explain

As we are expanding our portfolio, it is expected to have increase the water withdrawal, especially from water desalination facility where the water source is sea water.

Total discharges

(9.2.2.1) Volume (megaliters/year)

4732825

(9.2.2.2) Comparison with previous reporting year

Select from:

☒ Higher

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☒ Facility expansion

(9.2.2.4) Five-year forecast

Select from:

☒ Higher

(9.2.2.5) Primary reason for forecast

Select from:

☒ Facility expansion

(9.2.2.6) Please explain

As we are expanding our portfolio, it is expected to have increase the water discharge.

Total consumption

(9.2.2.1) Volume (megaliters/year)

34497

(9.2.2.2) Comparison with previous reporting year

Select from:

☒ Lower

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☒ Increase/decrease in efficiency

(9.2.2.4) Five-year forecast

Select from:

☒ About the same

(9.2.2.5) Primary reason for forecast

Select from:

☒ Increase/decrease in efficiency

(9.2.2.6) Please explain

Note that the we have water export which is around 741,839 mega litres in 2024. Water consumption for the operation is equal to water withdrawal - water export - water discharge. We are using more efficient process like reverse osmosis where internal consumption of water is reducing as efficiency improves.

[Fixed row]

(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change.

(9.2.4.1) Withdrawals are from areas with water stress

Select from:

☒ Yes

(9.2.4.2) Volume withdrawn from areas with water stress (megaliters)

2761164.09

(9.2.4.3) Comparison with previous reporting year

Select from:

☒ Lower

(9.2.4.4) Primary reason for comparison with previous reporting year

Select from:

☒ Divestment from water intensive technology/process

(9.2.4.5) Five-year forecast

Select from:

☒ Higher

(9.2.4.6) Primary reason for forecast

Select from:

☒ Facility expansion

(9.2.4.7) % of total withdrawals that are withdrawn from areas with water stress

50.00

(9.2.4.8) Identification tool

Select all that apply

☒ WRI Aqueduct

(9.2.4.9) Please explain

Based on full water stress assessment by using WRI Aqueduct, we have around 50% of water withdrawal from the areas with medium to high. high and extremely high stress levels. The analysis is published in our integrated annual report 2024 page 133,
https://www.acwapower.com/media/342515/acwa_power_eng_ar24_00_book_1208_1839.pdf
[Fixed row]

(9.2.7) Provide total water withdrawal data by source.

Fresh surface water, including rainwater, water from wetlands, rivers, and lakes

(9.2.7.1) Relevance

Select from:

☒ Relevant

(9.2.7.2) Volume (megaliters/year)

4905

(9.2.7.3) Comparison with previous reporting year

Select from:

☒ Higher

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☒ Increase/decrease in business activity

(9.2.7.5) Please explain

The number of assets using surface water is the same. The slight increase compared to previous year is due to increase in business activity.

Brackish surface water/Seawater

(9.2.7.1) Relevance

Select from:

☒ Relevant

(9.2.7.2) Volume (megaliters/year)

5516833

(9.2.7.3) Comparison with previous reporting year

Select from:

☒ Lower

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☒ Investment in water-smart technology/process

(9.2.7.5) Please explain

We have stopped investing in thermal water desalination asset and focus only on developing reverse osmosis, which has a better efficiency that required less seawater to produce freshwater.

Groundwater – renewable

(9.2.7.1) Relevance

Select from:

☒ Relevant

(9.2.7.2) Volume (megaliters/year)

134

(9.2.7.3) Comparison with previous reporting year

Select from:

☒ Higher

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☒ Increase/decrease in business activity

(9.2.7.5) Please explain

The number of assets using ground water is the same. The slight increase compared to previous year is due to increase in business activity.

Groundwater – non-renewable

(9.2.7.1) Relevance

Select from:

☒ Not relevant

(9.2.7.5) Please explain

Our operations do not extract water from non renewable ground water source.

Produced/Entrained water

(9.2.7.1) Relevance

Select from:

☒ Not relevant

(9.2.7.5) Please explain

Our operations do not use produced water from other party. We have water desalination that produce the water, if needed, we will use it internally.

Third party sources

(9.2.7.1) Relevance

Select from:

☒ Relevant

(9.2.7.2) Volume (megaliters/year)

455

(9.2.7.3) Comparison with previous reporting year

Select from:

☒ Lower

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☒ Increase/decrease in business activity

(9.2.7.5) Please explain

The number of assets using third party water is the same. The slight increase compared to previous year is due to increase in business activity.
[Fixed row]

(9.2.8) Provide total water discharge data by destination.

Fresh surface water

(9.2.8.1) Relevance

Select from:

☒ Relevant

(9.2.8.2) Volume (megaliters/year)

1625

(9.2.8.3) Comparison with previous reporting year

Select from:

☒ Higher

(9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☒ Increase/decrease in business activity

(9.2.8.5) Please explain

The number of assets that discharge to surface water is the same as last year. The slight increase is due to increase in business activity.

Brackish surface water/seawater

(9.2.8.1) Relevance

Select from:

☒ Relevant

(9.2.8.2) Volume (megaliters/year)

4731200

(9.2.8.3) Comparison with previous reporting year

Select from:

☒ Lower

(9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☒ Investment in water-smart technology/process

(9.2.8.5) Please explain

We have stopped investing in thermal water desalination asset and focus only on developing reverse osmosis, which has a better efficiency that required less seawater to produce freshwater.

Groundwater

(9.2.8.1) Relevance

Select from:

☒ Not relevant

(9.2.8.5) Please explain

All the withdrawn water from ground water source has been fully utilised.

Third-party destinations

(9.2.8.1) Relevance

Select from:

☒ Not relevant

(9.2.8.5) Please explain

All the withdrawn water from third party water source was fully utilised.

[Fixed row]

(9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities?

Direct operations

(9.3.1) Identification of facilities in the value chain stage

Select from:

☒ Yes, we have assessed this value chain stage and identified facilities with water-related dependencies, impacts, risks, and opportunities

(9.3.2) Total number of facilities identified

50

(9.3.3) % of facilities in direct operations that this represents

Select from:

☒ 100%

(9.3.4) Please explain

All of our operating assets in 2024 is around 50, where we have identified its water related dependency, risk, opportunity and impact.

Upstream value chain

(9.3.1) Identification of facilities in the value chain stage

Select from:

☒ No, we have not assessed this value chain stage for facilities with water-related dependencies, impacts, risks, and opportunities, but we are planning to do so in the next 2 years

(9.3.4) Please explain

We have not done any assessment for our value chain yet.
[Fixed row]

(9.3.1) For each facility referenced in 9.3, provide coordinates, water accounting data, and a comparison with the previous reporting year.

Row 1

(9.3.1.1) Facility reference number

Select from:

☒ Facility 1

(9.3.1.2) Facility name (optional)

Al Dur Desalination Plant

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Bahrain

☒ Unknown

(9.3.1.8) Latitude

25.97577

(9.3.1.9) Longitude

50.61228

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

154377

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Higher

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

154377

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

104591

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Higher

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

104591

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

102

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Water desalination production has increased by 0.2% compared to last year.

Row 2

(9.3.1.1) Facility reference number

Select from:

☒ Facility 2

(9.3.1.2) Facility name (optional)

Petro-Rabigh IWSP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

22.72184

(9.3.1.9) Longitude

39.01467

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Oil

(9.3.1.13) Total water withdrawals at this facility (megaliters)

114234

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

114234

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

64477

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

64477

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

13981

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Much lower

(9.3.1.29) Please explain

Water desalination production has reduced around 20% compared to last year.

Row 3

(9.3.1.1) Facility reference number

Select from:

☒ Facility 3

(9.3.1.2) Facility name (optional)

Petro-Rabigh (Phase 2) IWSPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

22.71294

(9.3.1.9) Longitude

39.0181

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Oil

(9.3.1.13) Total water withdrawals at this facility (megaliters)

50209

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

50209

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

31447

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

31447

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

8342

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Lower

(9.3.1.29) Please explain

Water desalination production has reduced around 12% compared to last year.

Row 4

(9.3.1.1) Facility reference number

Select from:

☒ Facility 4

(9.3.1.2) Facility name (optional)

Shuaibah IWPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

20.68408

(9.3.1.9) Longitude

39.52101

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Oil

(9.3.1.13) Total water withdrawals at this facility (megaliters)

945459

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

945459

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

860669

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

860669

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

927

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

About the same operating condition and production

Row 5

(9.3.1.1) Facility reference number

Select from:

☒ Facility 5

(9.3.1.2) Facility name (optional)

Marafiq IWPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

27.06567

(9.3.1.9) Longitude

49.61045

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

568062

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

568062

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

511556

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

511556

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

1397

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Higher

(9.3.1.29) Please explain

Water production increased by 2.4%

Row 6

(9.3.1.1) Facility reference number

Select from:

☒ Facility 6

(9.3.1.2) Facility name (optional)

QIPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

- ☒ Unknown

(9.3.1.8) Latitude

25.84309

(9.3.1.9) Longitude

50.12688

(9.3.1.10) Located in area with water stress

Select from:

- ☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

409989

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

409989

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

408395

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Higher

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

408395

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

593

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

About the same operating condition and production

Row 7

(9.3.1.1) Facility reference number

Select from:

☒ Facility 7

(9.3.1.2) Facility name (optional)

Rabigh 2 IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

22.65343

(9.3.1.9) Longitude

39.0364

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

698266

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

698266

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

697652

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

697652

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

615

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

About the same operating condition and production

Row 8

(9.3.1.1) Facility reference number

Select from:

☒ Facility 8

(9.3.1.2) Facility name (optional)

Rabigh IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

- ☒ Unknown

(9.3.1.8) Latitude

22.66358

(9.3.1.9) Longitude

39.03728

(9.3.1.10) Located in area with water stress

Select from:

- ☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

- ☒ Oil

(9.3.1.13) Total water withdrawals at this facility (megaliters)

759594

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Higher

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

759594

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

759165

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Higher

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

759165

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

429

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

About the same operating condition and production

Row 9

(9.3.1.1) Facility reference number

Select from:

☒ Facility 9

(9.3.1.2) Facility name (optional)

Barka 1 IWPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

23.7077

(9.3.1.9) Longitude

57.98562

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

168

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Higher

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

168

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

15

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

About the same operating condition and production

Row 10

(9.3.1.1) Facility reference number

Select from:

☒ Facility 10

(9.3.1.2) Facility name (optional)

Ibri IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

23.36503

(9.3.1.9) Longitude

56.28496

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

433

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

433

(9.3.1.21) Total water discharges at this facility (megaliters)

143

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

143

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

290

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Much lower

(9.3.1.29) Please explain

Water used as cooling agent and it is needed less in the operations due to flexible generation.

Row 11

(9.3.1.1) Facility reference number

Select from:

☒ Facility 11

(9.3.1.2) Facility name (optional)

Salalah 2 IPP - Existing

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

16.93824

(9.3.1.9) Longitude

53.97317

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

0.2

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0.2

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

0.2

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 12

(9.3.1.1) Facility reference number

Select from:

☒ Facility 12

(9.3.1.2) Facility name (optional)

Salalah 2 IPP - Greenfield

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

16.93921

(9.3.1.9) Longitude

53.97218

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

33

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

33

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

33

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 13

(9.3.1.1) Facility reference number

Select from:

☒ Facility 13

(9.3.1.2) Facility name (optional)

Sohar 3 power plant

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

24.46728

(9.3.1.9) Longitude

56.64031

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

0.7

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Higher

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0.7

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

0.7

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 14

(9.3.1.1) Facility reference number

Select from:

☒ Facility 14

(9.3.1.2) Facility name (optional)

Acwa Power KÅ±rÅ±kkale

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Turkey

☒ Kizilirmak

(9.3.1.8) Latitude

39.88666

(9.3.1.9) Longitude

33.4085

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

3511

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

3511

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

1195

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

1195

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

2316

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 15

(9.3.1.1) Facility reference number

Select from:

☒ Facility 15

(9.3.1.2) Facility name (optional)

Hassyan Power Plant

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

United Arab Emirates

☒ Unknown

(9.3.1.8) Latitude

24.90843

(9.3.1.9) Longitude

54.9204

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

456097

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

456097

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

455906

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Higher

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

455906

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

191

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 16

(9.3.1.1) Facility reference number

Select from:

☒ Facility 16

(9.3.1.2) Facility name (optional)

CEGCO Assets

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Jordan

☒ Unknown

(9.3.1.8) Latitude

29.37721

(9.3.1.9) Longitude

34.97785

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

0

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

0

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 17

(9.3.1.1) Facility reference number

Select from:

☒ Facility 17

(9.3.1.2) Facility name (optional)

Zarqa IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Jordan

- ☒ Dead Sea

(9.3.1.8) Latitude

32.11358

(9.3.1.9) Longitude

36.12539

(9.3.1.10) Located in area with water stress

Select from:

- ☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Gas

(9.3.1.13) Total water withdrawals at this facility (megaliters)

101

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

101

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

101

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 18

(9.3.1.1) Facility reference number

Select from:

☒ Facility 18

(9.3.1.2) Facility name (optional)

Noor I CSP IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Morocco

☒ Dra

(9.3.1.8) Latitude

31.0091

(9.3.1.9) Longitude

-6.86233

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

1118

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

1118

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

85

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

85

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

1033

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 19

(9.3.1.1) Facility reference number

Select from:

☒ Facility 19

(9.3.1.2) Facility name (optional)

Noor II CSP IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Morocco

- ☒ Dra

(9.3.1.8) Latitude

31.0355

(9.3.1.9) Longitude

-6.87027

(9.3.1.10) Located in area with water stress

Select from:

- ☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

- ☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

209

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

209

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

162

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

162

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

46

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 20

(9.3.1.1) Facility reference number

Select from:

☒ Facility 20

(9.3.1.2) Facility name (optional)

Noor III CSP IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Morocco

☒ Dra

(9.3.1.8) Latitude

31.05967

(9.3.1.9) Longitude

-6.87064

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

49

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

49

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

38

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

38

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

11

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 21

(9.3.1.1) Facility reference number

Select from:

☒ Facility 21

(9.3.1.2) Facility name (optional)

Bokpoort CSP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

South Africa

☒ Orange

(9.3.1.8) Latitude

-28.73432

(9.3.1.9) Longitude

21.9963

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

17

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

17

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

1.2

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

1.2

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

16

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 22

(9.3.1.1) Facility reference number

Select from:

☒ Facility 22

(9.3.1.2) Facility name (optional)

Noor Energy 1

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

United Arab Emirates

☒ Unknown

(9.3.1.8) Latitude

24.75729

(9.3.1.9) Longitude

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

5.9

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

5.9

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

0

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 23

(9.3.1.1) Facility reference number

Select from:

☒ Facility 23

(9.3.1.2) Facility name (optional)

Benban 1

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Egypt

☒ Nile

(9.3.1.8) Latitude

24.42677

(9.3.1.9) Longitude

32.72974

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

0

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

0

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 24

(9.3.1.1) Facility reference number

Select from:

☒ Facility 24

(9.3.1.2) Facility name (optional)

Benban 2

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Egypt

☒ Nile

(9.3.1.8) Latitude

24.43733

(9.3.1.9) Longitude

32.70452

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

0

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

0

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 25

(9.3.1.1) Facility reference number

Select from:

☒ Facility 25

(9.3.1.2) Facility name (optional)

Benban 3

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Egypt

☒ Nile

(9.3.1.8) Latitude

24.44258

(9.3.1.9) Longitude

32.73162

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

0

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

0

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 26

(9.3.1.1) Facility reference number

Select from:

☒ Facility 26

(9.3.1.2) Facility name (optional)

Mafrq PV IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Jordan

☒ Dead Sea

(9.3.1.8) Latitude

32.32671

(9.3.1.9) Longitude

36.25799

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

1.2

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

1.2

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

1.2

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 27

(9.3.1.1) Facility reference number

Select from:

☒ Facility 27

(9.3.1.2) Facility name (optional)

Risha PV IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Jordan

☒ Unknown

(9.3.1.8) Latitude

32.568

(9.3.1.9) Longitude

39.00263

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

2.7

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

2.7

(9.3.1.21) Total water discharges at this facility (megaliters)

0.6

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0.6

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

2

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 28

(9.3.1.1) Facility reference number

Select from:

☒ Facility 28

(9.3.1.2) Facility name (optional)

Sakaka PV IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

- ☒ Unknown

(9.3.1.8) Latitude

29.7285

(9.3.1.9) Longitude

40.09843

(9.3.1.10) Located in area with water stress

Select from:

- ☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

4.8

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

4.8

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

4.7

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 29

(9.3.1.1) Facility reference number

Select from:

☒ Facility 29

(9.3.1.2) Facility name (optional)

Noor BJD PV

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Western Sahara

☒ Unknown

(9.3.1.8) Latitude

26.16492

(9.3.1.9) Longitude

-14.36356

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

0.6

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0.6

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

0.6

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 30

(9.3.1.1) Facility reference number

Select from:

☒ Facility 30

(9.3.1.2) Facility name (optional)

Noor IV ORZ PV

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Morocco

- ☒ Dra

(9.3.1.8) Latitude

31.02175

(9.3.1.9) Longitude

-6.83056

(9.3.1.10) Located in area with water stress

Select from:

- ☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

- ☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

2.2

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

2.2

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

2.2

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Similar operating condition and production

Row 31

(9.3.1.1) Facility reference number

Select from:

☒ Facility 31

(9.3.1.2) Facility name (optional)

Noor LYN PV

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Western Sahara

☒ Unknown

(9.3.1.8) Latitude

26.99414

(9.3.1.9) Longitude

-12.95433

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

1.3

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

1.3

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ About the same

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

1.3

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Same operating condition and purpose

Row 32

(9.3.1.1) Facility reference number

Select from:

☒ Facility 32

(9.3.1.2) Facility name (optional)

Ibri 2 PV IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals only

(9.3.1.6) Reason for no withdrawals and/or discharges

Solar PV plants requires only water to clean the panel

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

23.37171

(9.3.1.9) Longitude

56.22992

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

0.2

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0.2

(9.3.1.27) Total water consumption at this facility (megaliters)

0.2

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Same operating condition and purpose

Row 33

(9.3.1.1) Facility reference number

Select from:

☒ Facility 33

(9.3.1.2) Facility name (optional)

DEWA V PV

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ No

(9.3.1.6) Reason for no withdrawals and/or discharges

No water is needed for operation

(9.3.1.7) Country/Area & River basin

United Arab Emirates

☒ Unknown

(9.3.1.8) Latitude

24.72409

(9.3.1.9) Longitude

55.41101

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.29) Please explain

n/a

Row 34

(9.3.1.1) Facility reference number

Select from:

☒ Facility 34

(9.3.1.2) Facility name (optional)

Shuaa Energy 1

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals only

(9.3.1.6) Reason for no withdrawals and/or discharges

Solar PV plants requires only water to clean the panel

(9.3.1.7) Country/Area & River basin

United Arab Emirates

☒ Unknown

(9.3.1.8) Latitude

24.76307

(9.3.1.9) Longitude

55.36548

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.13) Total water withdrawals at this facility (megaliters)

2.9

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ About the same

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

0

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

2.9

(9.3.1.27) Total water consumption at this facility (megaliters)

2.9

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ About the same

(9.3.1.29) Please explain

Same operating condition and purpose

Row 35

(9.3.1.1) Facility reference number

Select from:

☒ Facility 35

(9.3.1.2) Facility name (optional)

Khalladi Wind IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ No

(9.3.1.6) Reason for no withdrawals and/or discharges

No water is needed for operation

(9.3.1.7) Country/Area & River basin

Morocco

☒ Unknown

(9.3.1.8) Latitude

35.76546

(9.3.1.9) Longitude

-5.57746

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Wind

(9.3.1.29) Please explain

n/a

Row 36

(9.3.1.1) Facility reference number

Select from:

☒ Facility 36

(9.3.1.2) Facility name (optional)

Kom Ombo PV

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ No

(9.3.1.6) Reason for no withdrawals and/or discharges

No water is needed for operation

(9.3.1.7) Country/Area & River basin

Egypt

- ☒ Nile

(9.3.1.8) Latitude

24.61981

(9.3.1.9) Longitude

32.79317

(9.3.1.10) Located in area with water stress

Select from:

- ☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.29) Please explain

n/a

Row 37

(9.3.1.1) Facility reference number

Select from:

☒ Facility 37

(9.3.1.2) Facility name (optional)

Ar Rass Solar PV IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ No

(9.3.1.6) Reason for no withdrawals and/or discharges

No water is needed for operation

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

25.61752

(9.3.1.9) Longitude

43.57232

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.29) Please explain

n/a

Row 38

(9.3.1.1) Facility reference number

Select from:

☒ Facility 38

(9.3.1.2) Facility name (optional)

Sudair PV IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ No

(9.3.1.6) Reason for no withdrawals and/or discharges

No water is needed for operation

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

25.76867

(9.3.1.9) Longitude

45.58

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Solar

(9.3.1.29) Please explain

n/a

Row 39

(9.3.1.1) Facility reference number

Select from:

☒ Facility 39

(9.3.1.2) Facility name (optional)

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

23.70335

(9.3.1.9) Longitude

57.97041

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

6112

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

6112

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

3663

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

3663

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

5

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Lower

(9.3.1.29) Please explain

Lower production

Row 40

(9.3.1.1) Facility reference number

Select from:

☒ Facility 40

(9.3.1.2) Facility name (optional)

Barka 1 Phase II Expansion IWP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

23.70569

(9.3.1.9) Longitude

57.97879

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

6871

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

6871

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

4108

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

17

(9.3.1.28) Comparison of total consumption with previous reporting year*Select from:*☒ Lower**(9.3.1.29) Please explain***Lower production***Row 41****(9.3.1.1) Facility reference number***Select from:*☒ Facility 41**(9.3.1.2) Facility name (optional)***Salalah IWP***(9.3.1.3) Value chain stage**

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Oman

☒ Unknown

(9.3.1.8) Latitude

17.03634

(9.3.1.9) Longitude

54.49494

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

27526

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

27526

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

16510

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

16510

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

3.6

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Lower

(9.3.1.29) Please explain

Operation has better efficiency

Row 42

(9.3.1.1) Facility reference number

Select from:

☒ Facility 42

(9.3.1.2) Facility name (optional)

UAQ IWP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

United Arab Emirates

☒ Unknown

(9.3.1.8) Latitude

25.65345

(9.3.1.9) Longitude

55.75016

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

250322

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

157935

(9.3.1.22) Comparison of total discharges with previous reporting year*Select from:*☒ Lower**(9.3.1.23) Discharges to fresh surface water**

0

(9.3.1.24) Discharges to brackish surface water/seawater

157935

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

489

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Lower

(9.3.1.29) Please explain

Lower production

Row 43

(9.3.1.1) Facility reference number

Select from:

☒ Facility 43

(9.3.1.2) Facility name (optional)

Jazlah IWP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

- ☒ Unknown

(9.3.1.8) Latitude

26.87834

(9.3.1.9) Longitude

49.7985

(9.3.1.10) Located in area with water stress

Select from:

- ☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

244090

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Higher

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

244090

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

156218

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Higher

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

156218

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

2441

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Higher

(9.3.1.29) Please explain

Higher production

Row 44

(9.3.1.1) Facility reference number

Select from:

☒ Facility 44

(9.3.1.2) Facility name (optional)

Rabigh 3 IWP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

22.77914

(9.3.1.9) Longitude

38.96273

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

3423221

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

3423221

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

196811

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

196811

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

162

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Lower

(9.3.1.29) Please explain

Better efficiency

Row 45

(9.3.1.1) Facility reference number

Select from:

☒ Facility 45

(9.3.1.2) Facility name (optional)

Shuaibah 2 IWP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

- ☒ Unknown

(9.3.1.8) Latitude

20.68218

(9.3.1.9) Longitude

39.51695

(9.3.1.10) Located in area with water stress

Select from:

- ☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

- ☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

1731567

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

1731567

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

105356

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

105356

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

270

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Lower

(9.3.1.29) Please explain

Better efficiency

Row 46

(9.3.1.1) Facility reference number

Select from:

☒ Facility 46

(9.3.1.2) Facility name (optional)

Shuaibah Expansion IWP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Saudi Arabia

☒ Unknown

(9.3.1.8) Latitude

20.68257

(9.3.1.9) Longitude

39.51868

(9.3.1.10) Located in area with water stress

Select from:

☒ No

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

39398

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ Lower

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

39398

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

26740

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ Lower

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

26740

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

131

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ Lower

(9.3.1.29) Please explain

Lower production

Row 47

(9.3.1.1) Facility reference number

Select from:

☒ Facility 47

(9.3.1.2) Facility name (optional)

Taweelah IWP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

United Arab Emirates

☒ Unknown

(9.3.1.8) Latitude

24.75844

(9.3.1.9) Longitude

54.67598

(9.3.1.10) Located in area with water stress

Select from:

☒ Yes

(9.3.1.11) Primary power generation source for your electricity generation at this facility

Select from:

☒ Not applicable

(9.3.1.13) Total water withdrawals at this facility (megaliters)

271087

(9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

☒ This is our first year of measurement

(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

271087

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

169998

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ This is our first year of measurement

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

169998

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

25

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ This is our first year of measurement

(9.3.1.29) Please explain

n/a

Row 48

(9.3.1.1) Facility reference number

Select from:

☒ Facility 48

(9.3.1.2) Facility name (optional)

Sirdarya CCGT IPP

(9.3.1.3) Value chain stage

Select from:

☒ Direct operations

(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

(9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

☒ Yes, withdrawals and discharges

(9.3.1.7) Country/Area & River basin

Uzbekistan

☒ Syr Darya

(9.3.1.8) Latitude

40.23171

(9.3.1.9) Longitude

(9.3.1.10) Located in area with water stress*Select from:*☒ Yes**(9.3.1.11) Primary power generation source for your electricity generation at this facility***Select from:*☒ Gas**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

488

(9.3.1.14) Comparison of total withdrawals with previous reporting year*Select from:*☒ This is our first year of measurement**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

(9.3.1.16) Withdrawals from brackish surface water/seawater

488

(9.3.1.17) Withdrawals from groundwater - renewable

0

(9.3.1.18) Withdrawals from groundwater - non-renewable

0

(9.3.1.19) Withdrawals from produced/entrained water

0

(9.3.1.20) Withdrawals from third party sources

0

(9.3.1.21) Total water discharges at this facility (megaliters)

0

(9.3.1.22) Comparison of total discharges with previous reporting year

Select from:

☒ This is our first year of measurement

(9.3.1.23) Discharges to fresh surface water

0

(9.3.1.24) Discharges to brackish surface water/seawater

0

(9.3.1.25) Discharges to groundwater

0

(9.3.1.26) Discharges to third party destinations

0

(9.3.1.27) Total water consumption at this facility (megaliters)

488

(9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

☒ This is our first year of measurement

(9.3.1.29) Please explain

n/a

[Add row]

(9.3.2) For the facilities in your direct operations referenced in 9.3.1, what proportion of water accounting data has been third party verified?

Water withdrawals – total volumes

(9.3.2.1) % verified

Select from:

☒ 76-100

(9.3.2.2) Verification standard used

GRI Standard 303, ISAE 3000, ISAE 3410

Water withdrawals – volume by source

(9.3.2.1) % verified

Select from:

☒ 76-100

(9.3.2.2) Verification standard used

GRI Standard 303, ISAE 3000, ISAE 3410

Water withdrawals – quality by standard water quality parameters

(9.3.2.1) % verified

Select from:

☒ Not verified

(9.3.2.3) Please explain

We have not established a data collection from team on the site yet

Water discharges – total volumes

(9.3.2.1) % verified

Select from:

☒ 76-100

(9.3.2.2) Verification standard used

GRI Standard 303, ISAE 3000, ISAE 3410

Water discharges – volume by destination

(9.3.2.1) % verified

Select from:

☒ 76-100

(9.3.2.2) Verification standard used

GRI Standard 303, ISAE 3000, ISAE 3410

Water discharges – volume by final treatment level

(9.3.2.1) % verified

Select from:

☒ Not verified

(9.3.2.3) Please explain

We have not established a data collection from team on the site yet

Water discharges – quality by standard water quality parameters

(9.3.2.1) % verified

Select from:

☒ Not verified

(9.3.2.3) Please explain

We have not established a data collection from team on the site yet

Water consumption – total volume

(9.3.2.1) % verified

Select from:

☒ 76-100

(9.3.2.2) Verification standard used

GRI Standard 303, ISAE 3000, ISAE 3410

[Fixed row]

(9.5) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue (currency)	Total water withdrawal efficiency	Anticipated forward trend
	6297298000	1140.33	Downward trend

[Fixed row]

(9.7) Do you calculate water intensity for your electricity generation activities?

Select from:

☒ Yes

(9.7.1) Provide the following intensity information associated with your electricity generation activities.

Row 1

(9.7.1.1) Water intensity value (m3/denominator)

0.1

(9.7.1.2) Numerator: water aspect

Select from:

☒ Freshwater withdrawals

(9.7.1.3) Denominator

Select from:

☒ MWh

(9.7.1.4) Comparison with previous reporting year

Select from:

☒ Lower

(9.7.1.5) Please explain

Freshwater withdrawal in 2024: 5,495 mega litres Total portfolio gross electricity generation: 53,257,227 MWh (based on acwa power equity share) In 2023, freshwater withdrawal is 5259 mega litres Gross electricity generation is 50,066,658 MWh (based on acwa power equity share)

[Add row]

(9.13) Do any of your products contain substances classified as hazardous by a regulatory authority?

(9.13.1) Products contain hazardous substances

Select from:

☒ No

(9.13.2) Comment

There is hazardous waste generated through the operations, but these are solid waste that will send to be waste management company. It will not enter the water bodies.

[Fixed row]

(9.14) Do you classify any of your current products and/or services as low water impact?

(9.14.1) Products and/or services classified as low water impact

Select from:

☒ Yes

(9.14.2) Definition used to classify low water impact

The criteria of determining low water impact are mainly based on the consumption of freshwater.

(9.14.4) Please explain

Based on our analysis, only 0.05% of freshwater withdrawal from our operations. It is deemed to be low impact to the freshwater bodies in the regions. In addition, our core water desalination is delivering freshwater export that is 192 times more than what the company consumed. In fact, we are contributing a high positive water impact to the water stress regions.

[Fixed row]

(9.15) Do you have any water-related targets?

Select from:

☒ No, and we do not plan to within the next two years

(9.15.3) Why do you not have water-related target(s) and what are your plans to develop these in the future?

(9.15.3.1) Primary reason

Select from:

☒ Important but not an immediate business priority

(9.15.3.2) Please explain

Based on our analysis, only 0.05% of freshwater withdrawal from our operations. It is deemed to be low impact to the freshwater bodies in the regions. In addition, our core water desalination is delivering freshwater export that is 192 times more than what the company consumed. In fact, we are contributing a high positive water impact to the water stress regions. Hence, it is not our priority to set a target in an area where we know we are doing well. The target setting exercise is primarily for improving company's main potential negative impact such as emissions.

[Fixed row]

C11. Environmental performance - Biodiversity

(11.2) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

(11.2.1) Actions taken in the reporting period to progress your biodiversity-related commitments

Select from:

☒ Yes, we are taking actions to progress our biodiversity-related commitments

(11.2.2) Type of action taken to progress biodiversity- related commitments

Select all that apply

☒ Land/water protection

☒ Land/water management

☒ Education & awareness

☒ Law & policy

[Fixed row]

(11.3) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?
	Select from: ☒ No, we do not use indicators, but plan to within the next two years

[Fixed row]

(11.4) Does your organization have activities located in or near to areas important for biodiversity in the reporting year?

	Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity	Comment
Legally protected areas	Select from: ☒ Yes	Category II (National Park) under the IUCN Protected area category, Category Ia (Strict Nature Reserve) under the IUCN Protected area category
UNESCO World Heritage sites	Select from: ☒ No	None of the project are located or near to
UNESCO Man and the Biosphere Reserves	Select from: ☒ No	None of the project are located or near to
Ramsar sites	Select from: ☒ Yes	Hassyan IWP in Dubai is located at the boundary of Jebel Ali Wetland Sanctuary (JAWS).
Key Biodiversity Areas	Select from: ☒ Yes	Ras Ghanada Marine Protected Area
Other areas important for biodiversity	Select from: ☒ Yes	Important Bird Areas (IBAs)

[Fixed row]

(11.4.1) Provide details of your organization's activities in the reporting year located in or near to areas important for biodiversity.

Row 1

(11.4.1.2) Types of area important for biodiversity

Select all that apply

☒ Ramsar sites

(11.4.1.4) Country/area

Select from:

☒ United Arab Emirates

(11.4.1.5) Name of the area important for biodiversity

Jebel Ali Wetland Sanctuary (JAWS)

(11.4.1.6) Proximity

Select from:

☒ Adjacent

(11.4.1.8) Briefly describe your organization's activities in the reporting year located in or near to the selected area

Water desalination plant

(11.4.1.9) Indicate whether any of your organization's activities located in or near to the selected area could negatively affect biodiversity

Select from:

☒ Yes, but mitigation measures have been implemented

(11.4.1.10) Mitigation measures implemented within the selected area

Select all that apply

☒ Project design

☒ Operational controls

☒ Abatement controls

(11.4.1.11) Explain how your organization's activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

Detailed analysis and mitigation measures are publicly disclosed here: https://drive.google.com/file/d/1Gn05caWxzyMEPkUYwggY44_e2_ATOh8V/view The seawater intake pumping station will be located close to the IWP Plant and outside of the RAMSAR boundary. The intake chamber will be equipped with a bar screen (50mm mesh) followed by a travelling band screen to avoid particles larger than 5mm passing through and to protect the downstream intake pumps. The screens will prevent the entrainment of marine fauna into the intake system. The seawater abstraction point at the end of the intake pipes will also be installed with screens of 100mm mesh to prevent fish and other marine fauna from entering the Plant. There will be intermittent shock chlorination of seawater using sodium hypochlorite solution from a small pipeline located inside the intake pipes to avoid any risk of leaks into the sea. This will prevent bio-fouling in the pipeline as water is transferred to the pumping station. Monitoring: 1. Visual observations of boundary markers to ensure they are not degrading or negatively impacting the habitat outside the 80m pipeline corridor. 2. Beach Walkover to identify turtle nests by a DM-ED registered Environmental Consultant. 3. Long-term continuous in situ water quality monitoring for duration of operation. Quarterly ex situ water quality monitoring for suite of parameters. Recording of all incidental observations of marine mammals and reptiles

Row 2

(11.4.1.2) Types of area important for biodiversity

Select all that apply

☒ Key Biodiversity Areas

(11.4.1.4) Country/area

Select from:

☒ United Arab Emirates

(11.4.1.5) Name of the area important for biodiversity

Ras Ghanada Marine Protected Area

(11.4.1.6) Proximity

Select from:

☒ Up to 10 km

(11.4.1.8) Briefly describe your organization's activities in the reporting year located in or near to the selected area

Water desalination

(11.4.1.9) Indicate whether any of your organization's activities located in or near to the selected area could negatively affect biodiversity

Select from:

- ☒ Yes, but mitigation measures have been implemented

(11.4.1.10) Mitigation measures implemented within the selected area

Select all that apply

- ☒ Project design
☒ Physical controls
☒ Operational controls
☒ Abatement controls

(11.4.1.11) Explain how your organization's activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

Detailed study can be found here: <https://drive.google.com/file/d/1I9z1-kKNoLKfs1Q9lLuWulotab2QGxg/view> Mitigation: • Wastewater streams and chemical wastewater including backwash water generated from the DAF and DMF stages of sea water filtration will be neutralized in the on-site facilities to comply with UAE Federal and IFC discharge standards prior to mixing/dilution with the brine effluent; • No sludge will be added to brine effluent or discharged through the outfall at anytime; • No wastewater will be discharged to the marine environment without prior consent by EAD; • A Biodiversity Action Plan for critically endangered Hawksbill Turtles will be developed in line with IFC PS6; and • Measures to minimise entrainment of fauna at the intake will be detailed within the OESMP and operating procedures.

Row 3

(11.4.1.2) Types of area important for biodiversity

Select all that apply

- ☒ Other areas important for biodiversity

(11.4.1.4) Country/area

Select from:

☒ Azerbaijan

(11.4.1.5) Name of the area important for biodiversity

Three Important Bird Areas (IBAs) are within 15-25 km of the project site. These include: • Yashma Island • Alty Agach area • Mount Kargabazar and Mount Gush-gaya

(11.4.1.6) Proximity

Select from:

☒ Up to 25 km

(11.4.1.8) Briefly describe your organization's activities in the reporting year located in or near to the selected area

Wind power plant

(11.4.1.9) Indicate whether any of your organization's activities located in or near to the selected area could negatively affect biodiversity

Select from:

☒ Yes, but mitigation measures have been implemented

(11.4.1.10) Mitigation measures implemented within the selected area

Select all that apply

☒ Site selection

☒ Project design

☒ Scheduling

☒ Operational controls

☒ Abatement controls

(11.4.1.11) Explain how your organization's activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

Detailed assessment can be found here: <https://drive.google.com/file/d/1DkQ7mh0IH5GuXNtkIPUPXLxBk1yvljwL/view> • Using bird deflectors to increase line visibility by thickening the appearance of the line by a minimum of 20 cm over a length of 10-20cm; or using markers that are moveable, of contrasting colours (e.g. black and white), contrast with the background, protrude above and below the line, and be placed 5-10 m apart. Firefly Diverters are considered to be of robust specification to provide the needed visual deterrence required, as it includes UV-light reflectivity and are visible in low-light and low-visibility conditions. - Minimize construction footprint buffer zones and temporary laydown areas. • Avoid disturbance during sensitive ecological periods, particularly breeding season of sensitive species of concern. The Breeding Birds Protection Plan provides exact methodology and details on the seasonal timings and distance of no-go buffers which should be utilized.

Row 4

(11.4.1.2) Types of area important for biodiversity

Select all that apply

☒ Legally protected areas

(11.4.1.3) Protected area category (IUCN classification)

Select from:

☒ Category Ia-III

(11.4.1.4) Country/area

Select from:

☒ United Arab Emirates

(11.4.1.5) Name of the area important for biodiversity

Al Marmoom Conservation Area

(11.4.1.6) Proximity

Select from:

☒ Overlap

(11.4.1.7) Area of overlap (hectares)

(11.4.1.8) Briefly describe your organization's activities in the reporting year located in or near to the selected area

Solar PV plant

(11.4.1.9) Indicate whether any of your organization's activities located in or near to the selected area could negatively affect biodiversity

Select from:

☒ Yes, but mitigation measures have been implemented

(11.4.1.10) Mitigation measures implemented within the selected area

Select all that apply

☒ Scheduling

☒ Abatement controls

☒ Restoration

☒ Operational controls

☒ Site selection

☒ Project design

☒ Physical controls

(11.4.1.11) Explain how your organization's activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

Detailed assessment can be found here: <https://drive.google.com/file/d/12zuZEX6NoG8GQx4TJ7y8HIUQwox3bgo3/view>

Row 5

(11.4.1.2) Types of area important for biodiversity

Select all that apply

☒ Legally protected areas

(11.4.1.3) Protected area category (IUCN classification)

Select from:

☒ Category Ia-III

(11.4.1.4) Country/area

Select from:

☒ Saudi Arabia

(11.4.1.5) Name of the area important for biodiversity

Mahazat As-Sayd Reserve

(11.4.1.6) Proximity

Select from:

☒ Up to 5 km

(11.4.1.8) Briefly describe your organization's activities in the reporting year located in or near to the selected area

Solar PV plant

(11.4.1.9) Indicate whether any of your organization's activities located in or near to the selected area could negatively affect biodiversity

Select from:

☒ Yes, but mitigation measures have been implemented

(11.4.1.10) Mitigation measures implemented within the selected area

Select all that apply

☒ Scheduling

☒ Restoration

☒ Site selection

☒ Project design

☒ Physical controls

☒ Abatement controls

☒ Biodiversity offsets

(11.4.1.11) Explain how your organization's activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented

<https://acwapower.com/media/342192/al-mowyah-pv-ipp-esia.pdf>

[Add row]

C13. Further information & sign off

(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party?

	Other environmental information included in your CDP response is verified and/or assured by a third party
	Select from: ☒ Yes

[Fixed row]

(13.1.1) Which data points within your CDP response are verified and/or assured by a third party, and which standards were used?

Row 1

(13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

☒ Climate change

(13.1.1.2) Disclosure module and data verified and/or assured

Environmental performance – Climate change

☒ All data points in module 7

(13.1.1.3) Verification/assurance standard

General standards

- ☒ ISAE 3000
- ☒ ISAE 3410, Assurance Engagements on Greenhouse Gas Statements

Climate change-related standards

- ☒ Other climate change verification standard, please specify :GHG Protocol

(13.1.1.4) Further details of the third-party verification/assurance process

We engaged KPMG for the limited assurance for all of our emissions data, including Scope 1, 2 and Scope 3 which is part of the emission intensity verification. They have assessed all the energy consumption for all our operating assets that have reach full commercial operating phase.

(13.1.1.5) Attach verification/assurance evidence/report (optional)

Assurance from acwa_power_eng_ar24_00_book_1208_1839.pdf

Row 2

(13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

- ☒ Water

(13.1.1.2) Disclosure module and data verified and/or assured

Environmental performance – Water security

- ☒ Water consumption– total volume
- ☒ Water discharges– total volumes
- ☒ Water withdrawals– total volumes

(13.1.1.3) Verification/assurance standard

General standards

☒ ISAE 3000

☒ ISAE 3410, Assurance Engagements on Greenhouse Gas Statements

Water-related standards

☒ Other water verification standard, please specify :GRI

(13.1.1.4) Further details of the third-party verification/assurance process

We engaged KPMG for the limited assurance for water consumption figure where water consumption is equal to water withdrawal- water discharge - water export (for desalination process). They have assessed for all our operating assets that have reach full commercial operating phase.

(13.1.1.5) Attach verification/assurance evidence/report (optional)

Assurance from acwa_power_eng_ar24_00_book_1208_1839.pdf

[Add row]

(13.2) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

(13.2.1) Additional information

A few empty cells means not known for now. We tried to upload a few supporting documents but faced some issues. Attaching full integrated annual report 2024 with the online link here: https://www.acwapower.com/media/342515/acwa_power_eng_ar24_00_book_1208_1839.pdf For relevant policy: - <https://www.nomac.com/en/about-us/nomac-policy/> - <https://www.acwapower.com/en/sustainability/sustainability-reports/>

(13.2.2) Attachment (optional)

acwa_power_eng_ar24_00_book_1208_1839.pdf

[Fixed row]

(13.3) Provide the following information for the person that has signed off (approved) your CDP response.

(13.3.1) Job title

Chief Corporate Affairs & Sustainability Officer

(13.3.2) Corresponding job category

Select from:

☒ Chief Sustainability Officer (CSO)

[Fixed row]

(13.4) Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.

Select from:

☒ Yes, CDP may share our Disclosure Submission Lead contact details with the Pacific Institute

