

W0. Introduction

W0.1

(W0.1) Give a general description of and introduction to your organization.

Alliant Energy Corporation (NASDAQ: LNT) is a Midwest U.S. energy company headquartered in Madison, Wisconsin, with annual operating revenues of more than \$3.6 billion. Our company is primarily engaged in electric generation and the distribution of electricity and natural gas. We serve approximately 995,000 electric and 425,000 natural gas customers through our two public utility subsidiaries, Interstate Power and Light Company (IPL) and Wisconsin Power and Light Company (WPL). IPL provides retail electric and gas service in Iowa, and sells electricity to wholesale customers in Minnesota, Illinois and Iowa. WPL provides retail and wholesale electric and retail gas service in Wisconsin. Based on electric sales, the largest cities served in Iowa and Wisconsin are Cedar Rapids and Beloit, respectively.

FORWARD-LOOKING STATEMENTS: This material includes forward-looking statements. These statements can be identified because they include words such as “expects,” “expected,” “plans,” “will,” “outlook,” “estimate,” “target,” “goal,” “potential,” “projected,” “projection,” or other words or expressions of similar import. Similarly, statements that describe future plans or strategies, our clean energy vision, transitioning our energy resources, planned resource additions, scenarios and scenario results, and future emissions reductions are forward-looking statements. These forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially from those expressed in, or implied by, the statements. Actual results could be materially affected by the following factors, among others: regulatory approvals; unanticipated construction issues, delays or expenditures; the future development of technologies to reliably store and manage electricity, as well as electrification of other economic sectors; failure of equipment and technology to perform as expected; any additional tariffs resulting from U.S. Department of Commerce investigations into the sourcing of solar project materials and equipment from certain countries; disruptions to ongoing operations and the supply of materials, services, equipment and commodities needed to construct solar generation, battery storage and electric and gas distribution projects, which may result from geopolitical issues, supplier manufacturing constraints, labor issues or transportation issues; political conditions in Alliant Energy’s service territories; continued access to the capital markets on competitive terms and rates; economic conditions in Alliant Energy’s service territory; and other risk factors discussed to Alliant Energy’s most recent Annual Report on Form 10-K filed with the Securities and Exchange Commission (“SEC”), including the section therein titled “Risk Factors,” and its other filings with the SEC. All statements included herein are made as of the publication date hereof and Alliant Energy undertakes no obligation to update such statements to reflect subsequent events or circumstances. This report identifies certain climate-related issues that are not necessarily material for financial reporting purposes. These forward-looking statements are made as of September 26, 2023 and Alliant Energy disclaims any obligation to update these statements.

W-EU0.1a

(W-EU0.1a) Which activities in the electric utilities sector does your organization engage in?

- Electricity generation
- Distribution

W-EU0.1b

(W-EU0.1b) For your electricity generation activities, provide details of your nameplate capacity and the generation for each technology.

	Nameplate capacity (MW)	% of total nameplate capacity	Gross electricity generation (GWh)
Coal – hard	2072	24.54	7416.5
Lignite			
Oil	90	1.07	1.75
Gas	4180	49.51	11438.07
Biomass			
Waste (non-biomass)			
Nuclear			
Fossil-fuel plants fitted with carbon capture and storage			
Geothermal			
Hydropower	43	0.51	195.28
Wind	1782	21.11	6424.65
Solar	266	3.15	41.05
Marine			
Other renewable	9	0.11	
Other non-renewable			
Total	8442	100	25517.3

W0.2

(W0.2) State the start and end date of the year for which you are reporting data.

Reporting year	Start date	End date
Reporting year	January 1 2022	December 31 2022

W0.3

(W0.3) Select the countries/areas in which you operate.

United States of America

W0.4

(W0.4) Select the currency used for all financial information disclosed throughout your response.

USD

W0.5

(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.

Companies, entities or groups in which an equity share is held

W0.6

(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?

Yes

W0.6a

(W0.6a) Please report the exclusions.

Exclusion	Please explain
Non-regulated businesses	This report focuses on Alliant Energy's largest sources of water withdrawals, which are primarily associated with our IPL and WPL regulated utility operations. This includes IPL and WPL fossil-fueled electric generation facilities that operate under National Pollutant Discharge Elimination System (NPDES) permits that comprise a majority of our water use plus supporting operational facilities. Therefore, information on water use from non-regulated businesses that do not directly support our regulated electric utility operations are not included in this report.
Natural Gas distribution	The operations associated with procuring and distributing natural gas to our customers uses little to no direct water resources. These operations include the use of potable water as a resource for hydrostatic testing and for excavation operations to construct lines. This negligible water use is not included in this report.

W0.7

(W0.7) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, a Ticker symbol	NASDAQ:LNT
Yes, an ISIN code	US0188021085

W1. Current state

W1.1

(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Vital	Important	Sufficient amounts of quality freshwater are essential for the continued operation of our existing electric generation fleet, including all fossil steam-electric and hydroelectric sources, now and into the future. As Alliant Energy develops and deploys more renewable generating sources, water use and withdrawal are expected to decrease.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Important	Our Emery Generating Station (EGS) utilizes effluent from the Clear Lake Sanitation District (CLSD). The recycled water received by EGS is used as cooling tower make-up water, which minimizes the use of a regional groundwater aquifer as a source. Ultimately EGS sends the effluent back to CLSD for treatment and final discharge.

W1.2

(W1.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water withdrawals – total volumes	100%	Continuously	Instrumentation and/or pump run times	Monitoring required by permit and/or regulation.
Water withdrawals – volumes by source	100%	Continuously	Instrumentation and/or pump run times	Monitoring required by permit and/or regulation.
Entrained water associated with your metals & mining and/or coal sector activities - total volumes [only metals and mining and coal sectors]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Water withdrawals quality	100%	Continuously	Instrumentation, grab sampling, composite sampling	Monitoring required by permit and/or regulation.
Water discharges – total volumes	100%	Continuously	Instrumentation and/or pump run times	Monitoring required by permit and/or regulation at each fossil-fueled facility. Reported to state agencies on a monthly basis.
Water discharges – volumes by destination	100%	Continuously	Instrumentation and/or pump run times	Monitoring required by permit and/or regulation at each fossil-fueled facility. Reported to state agencies on a monthly basis.
Water discharges – volumes by treatment method	100%	Continuously	Instrumentation and/or pump run times	Monitoring required by permit and/or regulation at each fossil-fueled facility. Reported to state agencies on a monthly basis.
Water discharge quality – by standard effluent parameters	100%	Continuously	Instrumentation, grab sampling, composite sampling	Monitoring required by permit and/or regulation at each fossil-fueled facility. Reported to state agencies on a monthly basis.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	100%	Continuously	Instrumentation, grab sampling, composite sampling	Monitoring required by permit and/or regulation at each fossil-fueled facility. Reported to state agencies on a monthly basis.
Water discharge quality – temperature	100%	Continuously	Instrumentation	Monitoring required by permit and/or regulation at each fossil-fueled facility. Reported to state agencies on a monthly basis.
Water consumption – total volume	100%	Continuously	Instrumentation and/or pump run times	Consumption is not required but is calculated and voluntarily disclosed in Alliant Energy's annual Corporate Responsibility Report by using withdrawal minus discharge for facilities with cooling towers and by using an EPRI factor for facilities without them. The EPRI factor accounts for uncertainties with data of once-through cooling plants.
Water recycled/reused	26-50	Continuously	Instrumentation and/or pump run times	Water recycled/reused is specifically measured at approximately 50% of our fossil-fueled generating facilities through cooling tower cycling and specifically at our Emery Generating Station, which utilizes effluent from the Clear Lake Sanitation District (CLSD) as cooling tower make-up water.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Continuously	Instrumentation and/or pump run times	Fully functioning WASH services are provided for workers at all sites and facilities. Sources include groundwater wells and municipal supply.

W-EU1.2a

(W-EU1.2a) For your hydropower operations, what proportion of the following water aspects are regularly measured and monitored?

	% of sites/facilities/operations measured and monitored	Please explain
Fulfillment of downstream environmental flows	100%	Alliant Energy Hydroelectric facilities (Prairie du Sac and Kilbourn) continuously monitor the head of water maintained upstream of the dams to maintain flow within state and federal environmental and dam safety requirements.
Sediment loading	Not monitored	Not currently monitored
Other, please specify	Not relevant	

W1.2b

(W1.2b) 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?

	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Please explain
Total withdrawals	874522.42	Higher	Other, please specify (Withdrawals are slightly higher than 2021. Water use is dependent on energy demand from year-to year-and which facilities are running.)	Unknown	Unknown	The five-year forecast is not available because dispatch of Alliant Energy's electric generation units is dependent on the Midcontinent Independent System Operator (MISO) energy markets. MISO's energy markets serve as a platform for matching the supply and demand of energy in the areas covered in North America by this Regional Transmission Organization (RTO). MISO ensures real-time operating reliability of the interconnected bulk electric system within its footprint through standardized operating procedures that address energy capacity, resource adequacy and flexible market operations. Therefore, while our company follows the MISO operating procedures, we cannot forecast future dispatch with certainty. Water use is dependent on energy demand as determined by MISO. However, withdrawals are anticipated to decrease as the company transitions towards more renewable energy options.
Total discharges	694803.16	Lower	Other, please specify (Discharges are slightly lower than 2021. Water use is dependent on energy demand from year-to year-and which facilities are running.)	Unknown	Unknown	The five-year forecast is not available because dispatch of Alliant Energy's electric generation units is dependent on the Midcontinent Independent System Operator (MISO) energy markets. MISO's energy markets serve as a platform for matching the supply and demand of energy in the areas covered in North America by this Regional Transmission Organization (RTO). MISO ensures real-time operating reliability of the interconnected bulk electric system within its footprint through standardized operating procedures that address energy capacity, resource adequacy and flexible market operations. Therefore, while our company follows the MISO operating procedures, we cannot forecast future dispatch with certainty. Water use is dependent on energy demand as determined by MISO. However, discharges are anticipated to decrease as the company transitions towards more renewable energy options.
Total consumption	24537.03	Lower	Other, please specify (Consumption is slightly lower than 2021. Water use is dependent on energy demand from year-to year-and which facilities are running.)	Unknown	Unknown	The five-year forecast is not available because dispatch of Alliant Energy's electric generation units is dependent on the Midcontinent Independent System Operator (MISO) energy markets. MISO's energy markets serve as a platform for matching the supply and demand of energy in the areas covered in North America by this Regional Transmission Organization (RTO). MISO ensures real-time operating reliability of the interconnected bulk electric system within its footprint through standardized operating procedures that address energy capacity, resource adequacy and flexible market operations. Therefore, while our company follows the MISO operating procedures, we cannot forecast future dispatch with certainty. Water use is dependent on energy demand as determined by MISO. However, consumption is anticipated to decrease as the company transitions towards more renewable energy options.

W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress, provide the proportion, how it compares with the previous reporting year, and how it is forecasted to change.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Identification tool	Please explain
Row 1	No	<Not Applicable >	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	WRI Aqueduct	Alliant Energy utilizes various technical resources to assess the status of water conditions surrounding our thermal generation plants. This includes the application of the WRI Aqueduct tool to monitor potential current and future areas of water stress. The WRI Aqueduct tool's modeled overall water risk for our fossil-fueled generating facilities is low to low-medium, largely due to the potential for riverine flooding and drought. In addition, water resource data collected by state and federal regulatory agencies are consulted to assess actual conditions versus modeled results from the WRI Aqueduct tool. The information is considered to provide an overall picture of water conditions that could affect our electric generation operations and to support future planning. Alliant Energy also works closely with state regulatory agencies to obtain permits and manage water withdrawals to minimize environmental impacts.

W1.2h

(W1.2h) Provide total water withdrawal data by source.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Relevant	859441.8	Higher	Increase/decrease in business activity	The increase of fresh surface water use in 2022 is due to a number of factors, but can primarily be attributed to increased operation of facilities that withdraw surface water. Alliant's largest users of fresh surface water are coal facilities, and therefore overall fresh surface water use is expected to decrease over the long-term with the expansion of renewable resources, planned retirement of coal-fired units, and transition to new technologies such as energy storage.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Groundwater – renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Groundwater – non-renewable	Relevant	8784.31	Higher	Increase/decrease in business activity	The increase of groundwater use in 2022 is due to a number of factors, but can primarily be attributed to increased operation of facilities that withdraw groundwater. Alliant's largest users of groundwater are efficient combined-cycle natural gas generation facilities, which are expected to run more as coal facilities are retired. However, overall water use is expected to decrease over the long-term with the expansion of renewable resources, planned retirement of coal-fired units, and transition to new technologies such as energy storage.
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Third party sources	Relevant	6296.31	Higher	Increase/decrease in business activity	The increase of third-party water source use in 2022 is due to a number of factors, but can primarily be attributed to increased operation of facilities that use this source of water. Alliant's largest users of third-party water sources are natural gas generation facilities, which are expected to run more as coal facilities are retired. However, overall water use is expected to decrease over the long-term with the expansion of renewable resources, planned retirement of coal-fired units, and transition to new technologies such as energy storage.

W1.2i

(W1.2i) Provide total water discharge data by destination.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Relevant	694803.16	Lower	Increase/decrease in business activity	Discharges are lower than 2021. Water use is dependent on energy demand from year-to-year and energy markets that determine which facilities are running as determined by the Midcontinent Independent System Operator (MISO). While our company follows the MISO operating procedures, we cannot forecast future dispatch with certainty. Water use is dependent on energy demand as determined by MISO. However, discharges are anticipated to decrease as the company transitions towards more renewable energy and other technologies such as energy storage.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Alliant Energy does not have facilities located near brackish surface water or seawater and does not discharge into such sources.
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Not Applicable to Alliant Energy's operations.
Third-party destinations	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Not Applicable to Alliant Energy's operations.

W1.2j

(W1.2j) Within your direct operations, indicate the highest level(s) to which you treat your discharge.

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Relevant	310.76	Higher	Increase/decrease in business activity	1-10	Alliant Energy uses granular media filtration at its West Riverside Energy Center. After going through an oil-water separator, the wastewater is passed through a sand filter prior to final discharge. Increased plant runtimes have led to increased water use and therefore increased water discharges and treatment. Therefore, the increase in discharge of tertiary treated water in 2022 is due to increased operation of the West Riverside Energy Center natural gas combined cycle generation units.
Secondary treatment	Relevant	694472.5	Lower	Increase/decrease in business activity	91-99	Alliant Energy uses primary and secondary treatment at all of its fossil-fueled electric generating facilities. Treatment includes settling ponds, coagulants and/or chemical treatment. All discharges are monitored in accordance with state issued National Pollutant Discharge Elimination System (NPDES) permits. Discharges are lower than 2021. Water use is dependent on energy demand from year-to-year and energy markets that determine which facilities are running as determined by the Midcontinent Independent System Operator (MISO). While our company follows the MISO operating procedures, we cannot forecast future dispatch with certainty. Water use is dependent on energy demand as determined by MISO. However, discharges are anticipated to decrease as the company transitions towards more renewable energy and other technologies such as energy storage.
Primary treatment only	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Alliant Energy uses primary treatment in conjunction with secondary treatment methods at all of its fossil-fueled generating facilities and has chosen to combine this data into the Secondary Treatment response of this report.
Discharge to the natural environment without treatment	Relevant	19.91	This is our first year of measurement	Other, please specify (This is the first year of measuring as for a new Wisconsin Pollutant Discharge Elimination System (WPDES) permit at the Kilbourn Hydroelectric dam.)	1-10	Alliant Energy discharges to the natural environment at the Kilbourn Hydroelectric dam. The dam utilizes water from a groundwater well for noncontact cooling water of the turbine bearings. This discharge is not treated, but meets monitoring requirements through a Wisconsin Pollutant Discharge Elimination System (WPDES) permit
Discharge to a third party without treatment	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	All Alliant Energy discharges to a third party are to publicly owned treatment works (POTWs) that treat the water before discharge. Alliant does not track the levels of treatment provided at the POTWs used for discharge.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	

W1.2k

(W1.2k) Provide details of your organization's emissions of nitrates, phosphates, pesticides, and other priority substances to water in the reporting year.

	Emissions to water in the reporting year (metric tonnes)	Category(ies) of substances included	List the specific substances included	Please explain
Row 1	0.11	Phosphates	<Not Applicable>	Alliant Energy monitors phosphorus discharge to surface water at the Riverside, Columbia, and Edgewater electric generation facilities, as required by each facility Wisconsin Pollutant Discharge Elimination System (WPDES) permit.

W1.3

(W1.3) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue	Total water withdrawal volume (megaliters)	Total water withdrawal efficiency	Anticipated forward trend
Row 1	3421000	873710.89	3915.4828 4352963	The anticipated forward trend for our total water withdrawal efficiency is to increase (i.e., continue to improve). Alliant Energy's Clean Energy Vision goals for 2030 include reducing our electric utility water supply by 75% from 2005 levels. In 2022, we achieved a reduction of 50% in water withdrawals. Our company expects to achieve our future goal by implementing our Clean Energy Blueprint plans. These plans include retirement of coal-fired generation and expansion of renewable resources.

W-EU1.3

(W-EU1.3) Do you calculate water intensity for your electricity generation activities?

Yes

W-EU1.3a

(W-EU1.3a) Provide the following intensity information associated with your electricity generation activities.

Water intensity value (m3/denominator)	Numerator: water aspect	Denominator	Comparison with previous reporting year	Please explain
0.96	Freshwater consumption	MWh	Lower	Intensity is based on equity-share of water consumed (numerator) divided by total owned generation as reported in our Form 10K to the Securities and Exchange Commission (SEC). In 2021, intensity was 1.06, and in 2022, intensity was 0.96. The decrease in water intensity is attributable to the expansion of renewable resources. A continued decrease over the long-term is anticipated with the continued expansion of renewable resources, planned retirement of coal-fired units, and transition to new technologies such as energy storage.

W1.4

(W1.4) Do any of your products contain substances classified as hazardous by a regulatory authority?

	Products contain hazardous substances	Comment
Row 1	No	

W1.5

(W1.5) Do you engage with your value chain on water-related issues?

	Engagement	Primary reason for no engagement	Please explain
Suppliers	Yes	<Not Applicable>	<Not Applicable>
Other value chain partners (e.g., customers)	Yes	<Not Applicable>	<Not Applicable>

W1.5a

(W1.5a) Do you assess your suppliers according to their impact on water security?

Row 1

Assessment of supplier impact

Yes, we assess the impact of our suppliers

Considered in assessment

Procurement spend

Number of suppliers identified as having a substantive impact

% of total suppliers identified as having a substantive impact

100%

Please explain

Contracts: Alliant Energy's standard supplier contractual terms mandate compliance with all policies and procedures established by Alliant Energy — including without limitation health, safety, security, cybersecurity and environmental laws, regulations, policies and procedures — which are provided by Alliant Energy to a contractor in writing at any time during the term of their agreement. The contract terms can be accessed at <https://www.alliantenergy.com/suppliers>.

W1.5b

(W1.5b) Do your suppliers have to meet water-related requirements as part of your organization's purchasing process?

	Suppliers have to meet specific water-related requirements	Comment
Row 1	Yes, water-related requirements are included in our supplier contracts	<Not Applicable>

W1.5c

(W1.5c) Provide details of the water-related requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.

Water-related requirement

Please select

% of suppliers with a substantive impact required to comply with this water-related requirement

100%

% of suppliers with a substantive impact in compliance with this water-related requirement

100%

Mechanisms for monitoring compliance with this water-related requirement

Other, please specify (Compliance with environmental requirements for suppliers is governed by the U.S. Environmental Protection Agency (EPA) and state regulatory agencies.)

Response to supplier non-compliance with this water-related requirement

Other, please specify (Any breach of our contract terms is addressed through our legal and supplier contract departments on a case-by-case basis.)

Comment

Applicable environmental water-related requirements vary for each supplier.

W1.5d

(W1.5d) Provide details of any other water-related supplier engagement activity.

W1.5e

(W1.5e) Provide details of any water-related engagement activity with customers or other value chain partners.

Type of stakeholder

Other, please specify (Communities and customers)

Type of engagement

Innovation & collaboration

Details of engagement

Encourage stakeholders to work collaboratively with other users in their river basins toward sustainable water management

Rationale for your engagement

We are collaborating to create natural habitat where practical at our solar fields by converting agricultural land to a mixture of native and non-native grassland habitat. In addition to supporting biodiversity, when this habitat grows to maturity the conversion of this land will decrease the amount of nitrogen, phosphorus, sediment, and biological oxygen demand (BOD) entering surrounding waterways. This can help to improve the ecological health of the watershed and the quality of life for all inhabitants, as high loadings of these pollutants can produce excess algae growth and degrade the habitat in adjacent waterbodies. This affects not only the organisms that inhabit these waters, but the people who live and recreate there, impacting fishing and boating, decreasing tourism, and lowering property values. Examples include:

<https://www.alliantenergy.com/cleanenergy/ourenergyvision/solargeneration/wisconsinsolar/beaverdamsolarproject>

<https://www.alliantenergy.com/cleanenergy/ourenergyvision/solargeneration/wisconsinsolar/northrocksolarproject>

Impact of the engagement and measures of success

To estimate the pollutant reductions that will result from this land conversion, our company is also retaining consulting services to complete water quality modeling based on publicly available watershed data. The U.S. Environmental Protection Agency's STEPL model (Spreadsheet for Estimating Pollutant Loads) was used to quantify the pollutant loads originating from the land in its agricultural condition and in its proposed prairie condition. The United States Geological Survey's SPARROW model (Spatially Referenced Regression on Watershed Attributes) model was used to determine the percentage of these pollutants that will enter local waterbodies.

W2. Business impacts

W2.1

(W2.1) Has your organization experienced any detrimental water-related impacts?

No

W2.2

(W2.2) 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	Fines, enforcement orders, and/or other penalties	Comment
Row 1	Yes	Enforcement orders or other penalties	In 2022, Alliant Energy was issued two notices of non-compliance: one related to a spill and one related to a storm water issue. A civil penalty of \$14,576 was imposed for the spill-related notice of non-compliance.

W2.2b

(W2.2b) Provide details for all significant fines, enforcement orders and/or other penalties for water-related regulatory violations in the reporting year, and your plans for resolving them.

Type of penalty

Fine

Financial impact

14576

Country/Area & River basin

United States of America	Other, please specify (Upper Mississippi River Basin)
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Type of incident

Spillage, leakage or discharge of potential water pollutant

Description of penalty, incident, regulatory violation, significance, and resolution

On September 21, 2022, EPA Region 7 filed a Consent Agreement/Final Order related to a sodium hypochlorite release that occurred at the Prairie Creek Generating Station in June 2021. An evaluation of the incident indicated that check valves failed, resulting in a release of 450 gallons of the chemical to the river. There were no apparent environmental impacts resulting from the release and proper agency notifications were made. Modifications to the tank system were completed in an effort to prevent future releases. EPA reached out to discuss the matter further, and those discussions culminated in this agreement with IPL to remit a civil penalty of \$14,576 that has been paid.

Type of penalty

Other penalty type, please specify (Notice of Non-Compliance)

Financial impact

0

Country/Area & River basin

United States of America	Other, please specify (Upper Mississippi River Basin)
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Type of incident

Other non-compliance with permits, standards, or regulations

Description of penalty, incident, regulatory violation, significance, and resolution

On November 3, 2022, the Wisconsin Department of Natural Resources (WDNR) issued a "Notice of Noncompliance" (NON) to Wisconsin Power and Light Company (WPL) for the Crawfish River Solar construction project alleging failure to implement and/or maintain erosion control best management practices (BMPs) and to update plans according to site specific changes to BMPs. After WPL incorporated all of the required BMPs, the WDNR stated to WPL on July 11, 2023 that the WDNR found it acceptable to close out this Notice of Noncompliance.

W3. Procedures

W3.1

(W3.1) 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	Please explain
Row 1	Yes, we identify and classify our potential water pollutants	Alliant Energy environmental specialists monitor federal, state and local rules that regulate the discharge of water pollutants. The team identifies and classifies potential water pollutants based on environmental regulatory requirements and the compliance strategies associated with the requirements. Specific water pollutants of concern are derived from the Clean Water Act (CWA), primarily the CWA's Water Quality Standards (WQS), but also specific regulations such as the Section 316(a) Thermal Discharge, Section 316(b) Cooling Water Intake Structures and the Steam Electric Effluent Limitations Guidelines (ELGs). All of these regulations are incorporated into facility-specific NPDES operating permits and/or pre-treatment agreements, which aim to protect and maintain the chemical, physical, and biological integrity of waters of the United States. In addition, the coal combustion residuals (CCR) rule under the Resource Conservation and Recovery Act (RCRA) is incorporated into Alliant Energy's water and ash planning program. Alliant Energy conducts all required studies for its NPDES permits and permit renewals. The results of the studies are discussed with state NPDES permitting authorities and drive permit limit changes and are the basis for permit limits. On-site staff at our facilities complete required compliance activities including routine sampling. Non-compliance is reported and addressed to minimize potential impacts on the water ecosystem and/or to human health.	<Not Applicable>

W3.1a

(W3.1a) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Water pollutant category

Oil

Description of water pollutant and potential impacts

Oil is used for direct operations at fossil-fuel facilities. It has the potential to impact water quality if it is spilled. Outfalls are monitored through wastewater permitting.

Value chain stage

Direct operations

Actions and procedures to minimize adverse impacts

Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

Please explain

Our fossil fuel generating facilities minimize the adverse impacts of oil pollutants through implementing Spill Prevention Control and Countermeasure (SPCC) plans to prevent spills from occurring. Many of our facilities also utilize oil water separators or oil detection equipment to prevent oil from discharging.

Water pollutant category

Inorganic pollutants

Description of water pollutant and potential impacts

Inorganic pollutants are a byproduct of fossil-fuel energy generation that may impact water quality. The concentration of inorganic pollutants in wastewater is regulated by the Clean Water Act and impacts are limited through compliance with National Pollutant Discharge Elimination System (NPDES) permits.

Value chain stage

Direct operations

Actions and procedures to minimize adverse impacts

Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

Please explain

Our fossil fuel generating facilities have procedures to properly operate and maintain wastewater treatment equipment or other discharge processes needed to comply with our National Pollutant Discharge Elimination System (NPDES) permitting requirements.

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?

Yes, water-related risks are assessed

W3.3a

(W3.3a) Select the options that best describe your procedures for identifying and assessing water-related risks.

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Water risks are assessed as part of an established enterprise risk management framework

Frequency of assessment

Annually

How far into the future are risks considered?

More than 6 years

Type of tools and methods used

Tools on the market

Enterprise risk management

Databases

Other

Tools and methods used

WRI Aqueduct

Enterprise Risk Management

Regional government databases

Contextual issues considered

Water availability at a basin/catchment level

Water quality at a basin/catchment level

Water regulatory frameworks

Status of ecosystems and habitats

Other, please specify (We apply the Envision framework by the Institute of Sustainable Infrastructure to guide planning of resilient infrastructure, including review of water-related risks in project design and construction to reduce potential impacts when feasible.)

Stakeholders considered

Customers

Employees

Investors
 Local communities
 NGOs
 Regulators
 Suppliers

Comment

Alliant Energy's engagement with our external stakeholders occurs on many levels both in-person and virtually. This ongoing dialogue gives us the opportunity to learn what they consider to be important sustainability priorities. These discussions help us to understand key issues and identify potential concerns to find common ground and discuss potential collaboration opportunities. In addition to these voluntary outreach efforts, Alliant Energy also engages with our stakeholders through formal regulatory proceedings and public comment hearings. As part of our Clean Energy Blueprint development, our company conducts broad outreach and held stakeholder meetings in both Wisconsin and Iowa to discuss and obtain input on our resource planning efforts.

Alliant Energy's regulatory strategy and environmental compliance development utilizes various teams, tools and databases to manage its water risks and planning efforts. In 2016, Alliant Energy established an internal water and ash team to plan and execute its long-term compliance strategy for the Coal Combustion Residuals (CCR), Effluent Limitations Guidelines (ELG) and 316(a) and 316(b) rules. Our CCR website shares required compliance information and monitoring data. It can be directly accessed at ccr.alliantenergy.com. Alliant Energy also works with state regulatory agencies to identify approved beneficial uses for CCR.

Value chain stage

Supply chain

Coverage

Partial

Risk assessment procedure

Water risks are assessed in an environmental risk assessment

Frequency of assessment

More than once a year

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Tools on the market
 Databases
 Other

Tools and methods used

WRI Aqueduct
 Internal company methods

Contextual issues considered

Water regulatory frameworks

Stakeholders considered

Regulators
 Suppliers

Comment

Alliant Energy has a policy to include an environmental review and approval of any supply chain contract that proposes work in and around water resources or has the ability to generate or spill chemicals which may impact its National Pollutant Discharge Elimination System (NPDES) permits.

W3.3b

(W3.3b) Describe your organization's process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.

	Rationale for approach to risk assessment	Explanation of contextual issues considered	Explanation of stakeholders considered	Decision-making process for risk response
Row 1	Alliant Energy's process is largely driven by regulatory change at the federal and state level.	We utilize many partners (trade groups, stakeholder groups, listservs, etc.) to stay informed on regulatory changes including legislation, rules, and policies. We evaluate water-related issues as part of our overall business strategy and long-term financial planning. All proposed water-related regulatory updates are evaluated for direct impacts, timing and associated expenditures.	Alliant Energy discloses its water-related risks and associated compliance plans through several publicly available reports to provide transparency to our customers, communities and shareowners. More specifically, any CCR-related financial issues determined to be material are publicly reported in the company's annual Form 10-K filing with the U.S. Securities and Exchange Commission.	Alliant Energy has environmental and legal staff who monitor regulatory changes in order to identify potential business risks and opportunities. Relevant changes are considered by various business units in our company including our water and ash team. Our water and ash team coordinates with internal and external subject matter experts to plan and execute our water and ash strategy. They work with consultants and teams at our generating facilities to complete required construction projects. Certain members of the water and ash team inform the Board and company leadership of specific issues and projects required for compliance.

W4. Risks and opportunities

W4.1

(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?

No

W4.1a

(W4.1a) How does your organization define substantive financial or strategic impact on your business?

Alliant Energy's definition of substantive financial or strategic impact on its business is aligned with materiality determinations based on the final rules of the U.S. Securities and Exchange Commission (SEC). Results of company operations are described in the Management Discussion and Analysis (MD&A) section the company's annual Form 10-K and other periodic public filings to the SEC. The MD&A provides an overview of the company's strategy as well as qualitative discussion and quantitative results on the company's performance relative to implementation of the strategy. Primary indicators of financial results include net income and earnings per share. Additional quantitative indicators include capital investments expanding company-owned renewable generation and battery storage, and modernizing infrastructure to help enable maximizing its operation on the electricity grid. In addition, updates and progress on Alliant Energy's voluntary environmental-related goals including its Clean Energy Vision greenhouse gas reduction goals are periodically disclosed in the MD&A section of its SEC Form 10-K and Form 10-Q filings.

W4.2b

(W4.2b) Why does your organization not consider itself exposed to water risks in its direct operations with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	Alliant Energy is fortunate to operate in a region with abundant water. Although seasonal fluctuations and extreme events can and have occurred, we have plans in place to address those issues to help ensure continued operations. Furthermore, Alliant Energy continues to transition its electric generation fleet by retiring its most water-intensive coal units and constructing more renewable sources (wind and solar). By 2030, this strategic plan is currently expected to result in a 75% water reduction in water supply across our regulated utility operations.

W4.2c

(W4.2c) Why does your organization not consider itself exposed to water risks in its value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	Alliant Energy discusses potential risks related to its business operations and value chain in its filings with the U.S. Securities & Exchange Commission (SEC), including the Risk Factors section of our company's annual Form 10-K report found at: https://investors.alliantenergy.com/financials/sec-filings/

W4.3

(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes, we have identified opportunities, and some/all are being realized

W4.3a

(W4.3a) Provide details of opportunities currently being realized that could have a substantive financial or strategic impact on your business.

Type of opportunity

Resilience

Primary water-related opportunity

Increased resilience to impacts of climate change

Company-specific description & strategy to realize opportunity

In an effort to support pollinators, Alliant Energy is planting pollinator habitat at most of its solar development sites and new substation construction sites. This fits into our company's core value of Act for Tomorrow. Once established, the native grasses and forbs within the seed mix will promote water infiltration, add diversity to the habitat and serve as food and reproductive space for pollinators. Future benefits outside of pollinators include minimized stormwater run-off and drought resistance. We anticipate an overall maintenance savings once the plantings are established.

Estimated timeframe for realization

1 to 3 years

Magnitude of potential financial impact

Low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact

Project installation costs are project specific and based on size, local ecological needs and seed type. Maintenance costs associated with initial establishment timeline are also site-specific. Long-term maintenance offsets, such as reduced mowing, can be estimated but vary by location.

Type of opportunity

Markets

Primary water-related opportunity

Improved community relations

Company-specific description & strategy to realize opportunity

We are collaborating to create natural habitat where practical at our solar fields by converting agricultural land to a mixture of native and non-native grassland habitat. In addition to supporting biodiversity, when this habitat grows to maturity the conversion of this land will decrease the amount of nitrogen, phosphorus, sediment, and biological oxygen demand (BOD) entering surrounding waterways. This can help to improve the ecological health of the watershed and the quality of life for all inhabitants, as high loadings of these pollutants can produce excess algae growth and degrade the habitat in adjacent waterbodies. This affects not only the organisms that inhabit these waters, but the people who live and recreate there, impacting fishing and boating, decreasing tourism, and lowering property values.

To estimate the pollutant reductions that will result from this land conversion, our company is also retaining consulting services to complete water quality modeling based on publicly available watershed data. The U.S. Environmental Protection Agency's STEPL model (Spreadsheet for Estimating Pollutant Loads) was used to quantify the pollutant loads originating from the land in its agricultural condition and in its proposed prairie condition. The United States Geological Survey's SPARROW model (Spatially Referenced Regression on Watershed Attributes) model was used to determine the percentage of these pollutants that will enter local waterbodies.

Estimated timeframe for realization

4 to 6 years

Magnitude of potential financial impact

Low-medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact

Due to the nature of this opportunity, it is not possible to determine the specific financial impact. Over the long-term it will reduce our operational maintenance cost for mowing. In addition, qualitatively it will improve our company's relationship with the customers and communities that we have the privilege to serve.

W6. Governance

W6.1

(W6.1) Does your organization have a water policy?

Yes, we have a documented water policy that is publicly available

W6.1a

(W6.1a) Select the options that best describe the scope and content of your water policy.

	Scope	Content	Please explain
Row 1	Company-wide	Other, please specify (Alliant Energy's water policy is implemented through our Environmental Commitment, Clean Energy Vision 2030 goal to reduce our electric utility water supply by 75% by 2030, and Sustainable Development Goal (SDG) alignment.)	<p>Our commitment is provided below and more details are available at the following: http://alliantenergy.com/esgperformance http://alliantenergy.com/crrgoals http://alliantenergy.com/crrsdgvalues</p> <p>Our Environmental Commitment: Alliant Energy is committed to complying with all environmental laws and regulations. We integrate environmental requirements into planning, decision-making, construction, operating and maintenance activities that we perform. Employees conduct work in a manner demonstrating Alliant Energy's concern for preserving natural resources and protecting wildlife – acting in accordance with our Value to Act for Tomorrow. We use resources wisely, care for the environment and continuously improve ourselves and our company. Alliant Energy is committed to environmental stewardship and the following principles to guide our actions:</p> <ul style="list-style-type: none"> • Ensure that the entire organization is accountable for environmental performance. • Achieve our company's vision for a clean energy future. • Advance our sustainability framework through the company's mission, culture and Values. • Comply fully with all applicable environmental laws and regulations and company procedures. • Monitor Alliant Energy's environmental programs systematically to reduce risk and liability through Enterprise Risk Management. • Strive for performance beyond environmental compliance through operational efficiencies, technologies, recycling, reuse, materials and product substitution. • Integrate a comprehensive environmental management approach into our overall business and mitigate adverse environmental impacts caused by our operations. • Provide employees with job-specific training to properly execute environmental requirements and procedures. • Pursue cost-effective energy efficiency improvements in our operations and promote conservation practices and investments in energy saving technologies by our customers. • Preserve natural resources, safeguard ecosystems and promote biodiversity through hazard reduction measures and enhanced land management. • Participate in environmental policy development in order to support responsible, fair and flexible regulatory outcomes. • Engage in open relationships, communication and education with our customers, regulators and other stakeholders on environmental matters. • Transparently report our environmental performance and sustainability progress.

W6.2

(W6.2) Is there board level oversight of water-related issues within your organization?

Yes

W6.2a

(W6.2a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for water-related issues.

Position of individual or committee	Responsibilities for water-related issues
Board-level committee	The Operations Committee of the Board of Directors reviews and oversees environmental and safety issues. The Operations Committee reports up to the full Board of Directors. Any strategic projects recommended by the Operations Committee require approval by the full Board of Directors. This includes strategic projects, such as capital investments for environmental compliance as well as expansion of renewable generation including wind and solar projects. The Operations Committee consists solely of independent directors.
Chief Executive Officer (CEO)	Alliant Energy's Chief Executive Officer (CEO), along with other company executives, have overarching responsibility for company strategy, compliance and operations, including water-related issues.

W6.2b

(W6.2b) Provide further details on the board’s oversight of water-related issues.

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	<p>Monitoring implementation and performance</p> <p>Overseeing major capital expenditures</p> <p>Reviewing and guiding corporate responsibility strategy</p> <p>Reviewing and guiding major plans of action</p> <p>Reviewing and guiding risk management policies</p> <p>Reviewing and guiding strategy</p> <p>Reviewing innovation/R&D priorities</p> <p>Setting performance objectives</p>	<p>Oversight of water management activities is providing through various Board committees.</p> <p>Board of Directors</p> <ul style="list-style-type: none"> Responsible for overseeing our vision and mission, strategic plan and overall corporate risk profile – including the impact water risks and environmental policy have on these matters. Consists of experienced and diverse members. Consists of independent directors other than the Chief Executive Officer. <p>Nominating and Governance Committee of the Board of Directors</p> <ul style="list-style-type: none"> Responsible for overseeing Environmental, Social and Governance (ESG) issues. Reviews and approves the Corporate Responsibility Report including progress on water reduction goals. Consists solely of independent directors. <p>Compensation and Personnel Committee of the Board of Directors</p> <ul style="list-style-type: none"> Reviews and approves ESG performance metrics as part of executive compensation oversight. Oversight of issues related to our workforce environment. Consists solely of independent directors. <p>Operations Committee of the Board of Directors</p> <ul style="list-style-type: none"> Oversees climate change including water-related risks. Reviews and oversees environmental and safety issues. Consists solely of independent directors.

W6.2d

(W6.2d) Does your organization have at least one board member with competence on water-related issues?

	Board member(s) have competence on water-related issues	Criteria used to assess competence of board member(s) on water-related issues	Primary reason for no board-level competence on water-related issues	Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future
Row 1	Yes	<p>Alliant Energy provides a summary of the skills and qualifications for each of its Board members in the annual Proxy Statement that is available online: https://investors.alliantenergy.com/financials/annual-reports/</p> <p>The Board’s Nominating and Governance Committee is responsible for evaluating nominees for director and has review criteria to ensure that the skills, qualifications and experiences necessary for the effectiveness of the Board of Directors are fully represented through a diversity of expertise. More specifically, Board members are reviewed for environmental qualifications that can include understanding water-related issues.</p>	<Not Applicable>	<Not Applicable>

W6.3

(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).

Name of the position(s) and/or committee(s)

Other C-Suite Officer, please specify (Senior Vice President of Sustainability and Regulatory Strategy)

Water-related responsibilities of this position

Assessing water-related risks and opportunities
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

The Senior Vice President of Sustainability and Regulatory Strategy reports to the Chief Operating Officer (COO).

Areas of responsibility: Oversight of the company's environmental services and corporate sustainability department and customer support services department. This role is responsible for developing priorities and communicating progress on the company's sustainability programs and Environmental, Social and Governance (ESG) performance to the Board of Director's Nominating & Governance Committee.

Name of the position(s) and/or committee(s)

Other, please specify (Director of Environmental Services and Corporate Sustainability)

Water-related responsibilities of this position

Setting water-related corporate targets
Monitoring progress against water-related corporate targets
Managing public policy engagement that may impact water security
Integrating water-related issues into business strategy
Other, please specify (Environmental Compliance)

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

The Director of Environmental Services and Corporate Sustainability reports to the Senior Vice President of Sustainability and Regulatory Strategy.

Areas of responsibility: Establishes and leads an aligned environmental and sustainability strategy, operational plans and budgets to meet corporate environmental and corporate sustainability objectives. This includes environmental compliance as well as updating and tracking progress on the company's achievement of Alliant Energy's Clean Energy Vision goals

Water-related issues including potential policies, regulation and legislation, are primarily monitored through our Environmental Services and Corporate Sustainability and Public Affairs departments. Other departments also monitor water-related issues as these may affect routine operations or business planning - such as evolving technology trends or supporting customer requests through innovative energy solutions.

Name of the position(s) and/or committee(s)

Chief Operating Officer (COO)

Water-related responsibilities of this position

Managing water-related risks and opportunities
Other, please specify (Oversight of water-related operations including environmental compliance and sustainability.)

Frequency of reporting to the board on water-related issues

As important matters arise

Please explain

The President and Chief Operating Officer (COO) reports to the CEO and is responsible for operations, customer solutions, supply chain, corporate strategy, safety, sustainability and regulatory strategy. The President and COO also serves as CEO of Alliant Energy's utility subsidiaries, IPL and WPL, and provides oversight of operations in Iowa and Wisconsin.

W6.4

(W6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	

W6.4a

(W6.4a) What incentives are provided to C-suite employees or board members for the management of water-related issues (do not include the names of individuals)?

	Role(s) entitled to incentive	Performance indicator	Contribution of incentives to the achievement of your organization's water commitments	Please explain
Monetary reward	Board/Executive board Corporate executive team Chief Executive Officer (CEO) Chief Operating Officer (COO) Other, please specify (All employees company-wide up to and including CEO and full Board of Directors.)	Other, please specify (Achievement of Alliant Energy's Clean Energy Vision 2030 goal to reduce our electric utility water supply by 75% from 2005 levels through successful implementation of the company's strategic plan.)	As provided in the explanation for this question.	The Compensation and Personnel Committee of the Board of Directors approves performance compensation goals that include ESG metrics. Our short-term incentive plan specifically rewards annual progress toward the Company's long-term goal of a 50% reduction in carbon dioxide (CO2) emissions by 2030 from 2005 levels. Our Clean Energy Vision also includes a goal to reduce our electric utility water supply by 75% from 2005 levels by 2030. This goal is directly linked to achievement of our CO2 reduction goals, because our fossil-fueled generation facilities are the primary sources of water use for our regulated electric utility operations. Management is responsible for updating and implementing the company strategy. All employees are reviewed periodically throughout the year by their manager for performance relative to their job responsibilities. For certain employees, these roles specifically support execution of our Clean Energy Blueprint and Clean Energy Vision goals, such as: tracking progress on CO2 reduction targets, planned retirement of coal-fired facilities, expansion of company-owned renewable energy sources (wind and solar), enabling customer-owned and community distributed generation and renewable purchase power agreements (PPAs), completing integrated grid projects (energy storage, undergrounding electric distribution lines, digital technology initiatives), and on-going support for customer demand-side management including conservation and energy efficiency programs.
Non-monetary reward	Other, please specify (Our company is using monetary rewards to drive performance (in lieu of non-monetary incentives) for the management of water-related issues.)	Please select		

W6.5

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?

- Yes, direct engagement with policy makers
- Yes, trade associations
- Yes, funding research organizations

W6.5a

(W6.5a) What processes do you have in place to ensure that all of your direct and indirect activities seeking to influence policy are consistent with your water policy/water commitments?

Alliant Energy engages directly and indirectly with the U.S. Environmental Protection Agency, Iowa Department of Natural Resources (DNR) and Wisconsin DNR, Federal Energy Regulatory Commission (FERC), U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, and other agencies as needed. Our company also engages in water-related policy through trade associations including the Edison Electric Institute and Utility Solid Waste Activities Group as well as environmental coalitions such as the Baker Botts Cross-Cutting Issues Group. We fund research to independent, non-profit organizations such as the Electric Power Research Institute. Engagement and input to these groups is provided to ensure it is consistent with our company's Environmental Commitment and guided by our Core Value to **Act for Tomorrow - We use resources wisely, care for the environment and continuously improve ourselves and our company.** In particular, input on trade association priorities and joint public comments is provided to ensure these submissions are technically sound, provide a balanced perspective and aligned with implementation of our sustainable energy plan and Clean Energy Vision which includes a water reduction goal.

W6.6

(W6.6) Did your organization include information about its response to water-related risks in its most recent mainstream financial report?

- Yes (you may attach the report - this is optional)
- Q2 2023 Alliant Energy 10Q.pdf
- 2022 Alliant Energy 10K.pdf

W7. Business strategy

W7.1

(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	11-15	Alliant Energy has a long history of environmental stewardship focused on meeting customers' energy needs in an affordable, safe, reliable and sustainable manner. We proactively consider future environmental compliance requirements and proposed regulations in our planning, decision-making, construction and ongoing operations activities. Specifically, our company integrates key issues such as water availability, quality, reduction, re-use and resiliency when designing new projects or modifying existing facilities. Furthermore, our future environmental plans are guided by our voluntary water reduction goals. Adopting a long-term strategy prepares us to achieve environmental compliance requirements. It also provides flexibility to adjust our plans if needed and supports sustainable use of natural resources. Alliant Energy continues to track progress on our 75% reduction goal for water withdrawals. Our water reduction goal covers all of our electric utility operations, including owned fossil-fueled electric generation, hydro-electric generation and our supporting facility operations. In 2022, we achieved 50% reduction compared to 2005 levels, equating to a reduction in volume of over 231 billion gallons of water. Our company's future efforts will continue to focus on implementing water conservation measures and adding renewable resources to further reduce water use from our electric utility operations.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	11-15	Located in the Midwest, historically our operations have not been directly impacted by droughts or water scarcity issues. We proactively protect our facilities for increased precipitation by developing Flood Plans and working with local energy response planners. West Riverside Energy Center's wastewater treatment system design results in about 65% lower discharge volume and less pollutants to the Rock River. The facility also reuses stormwater by diverting roof drains for process make-up water, reducing groundwater use by approximately 70,000 gallons per year. Emery Generating Station uses greywater as cooling tower make-up in addition to groundwater. In 2022, approximately 214 million gallons of greywater was used. We installed dry ash handling systems at our coal-fired electric generating stations including Edgewater, Ottumwa and Columbia to eliminate or reduce water used to manage coal combustion residuals on-site. With over 1,475 MW of coal generation retired since 2005, we expect to retire another 1,100 MW by the end of 2026 eliminating water needed for these operations. Wind farm turbines are designed to be resilient to storms including withstanding wind speeds up to 120 mph and lightning protection. We collaborate where practical at our solar fields by converting agricultural land to native and non-native grassland habitat. This supports biodiversity plus decreases the amount of nitrogen, phosphorus, sediment, and biological oxygen demand entering nearby waterways.
Financial planning	Yes, water-related issues are integrated	5-10	Long term financial plans consider projected costs of compliance with current and proposed water-related regulatory requirements. Projects impacting water are evaluated in the design stage and costs of water-related impacts or issues are integrated into the long-term financial plan overall cost for the project.

W7.2

(W7.2) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?

Row 1

Water-related CAPEX (+/- % change)

Anticipated forward trend for CAPEX (+/- % change)

Water-related OPEX (+/- % change)

Anticipated forward trend for OPEX (+/- % change)

Please explain

Any financially material water-related capital expenditures applicable to our regulated electric utility operations are disclosed in Alliant Energy's Form 10-K and 10-Q reports submitted to the United States Securities & Exchange Commission (SEC).

W7.3

(W7.3) Does your organization use scenario analysis to inform its business strategy?

	Use of scenario analysis	Comment
Row 1	Yes	Our use of climate-related scenario analysis to better understand the potential impacts of low-carbon transition on the company's Clean Energy Blueprint plans and Clean Energy Vision carbon dioxide (CO2) emissions and water reduction strategy is explained in Alliant Energy's Climate Report available at: http://alliantenergy.com/climatereport

W7.3a

(W7.3a) Provide details of the scenario analysis, what water-related outcomes were identified, and how they have influenced your organization's business strategy.

	Type of scenario analysis used	Parameters, assumptions, analytical choices	Description of possible water-related outcomes	Influence on business strategy
Row 1	Climate-related	<p>Alliant Energy had the Electric Power Research Institute (EPRI) complete quantitative scenario analysis to better understand the potential impacts of low-carbon transition on the company's Clean Energy Blueprint plans and Clean Energy Vision carbon dioxide (CO2) emissions reduction strategy. This study was based on EPRI's technical research on climate-related risk and modeling. In addition, the Task Force on Climate-Related Financial Disclosures (TCFD) scenario analysis guidance was also considered. Our Climate Report is at: http://alliantenergy.com/climatereport</p> <p>Driving forces are external factors subject to future uncertainty that can affect company operations — potentially resulting in positive or negative impacts. Understanding these driving forces provides context on both strategic risks and opportunities related to climate change. The priority driving forces analyzed in the EPRI climate study were identified using the recommended TCFD categories including technology, market/economic, social and policy.</p> <p>Scenarios were developed to explore a range of different possible futures to assess the potential impacts of low-carbon transition on Alliant Energy's electric utility operations. To gain a broad perspective, the scenarios were designed to test various combinations of assumptions considered to be plausible yet challenging relative to current predictions of business conditions. The development of the scenario design framework condensed these external driving forces into two dimensions:</p> <ul style="list-style-type: none"> • Policy actions from broad (more efficient, flexible, lower cost) to narrow (targeted to a limited set of technologies, less efficient, more prescriptive) • Non-policy actions from lower impact (directions that make decarbonization easier and cheaper) to higher impact (directions that make decarbonization harder and more expensive). Non-policy actions include the technology, market, economic and social drivers. <p>With this characterization, four scenarios were developed as defined above to evaluate the potential uncertainties within these boundary conditions — in other words, the most pessimistic or optimistic pairing of non-policy outcomes considering the range of future policy outcomes. In addition, because the boundary scenarios are necessarily more extreme/less likely, there were five scenarios developed to evaluate in between conditions. These captured alternative choices within this decision-space to better understand the impacts of changes in key drivers.</p>	<p>For electricity production, we predominantly use water to make steam and cool equipment at fossil-fueled facilities. Most of this is non-contact cooling water that is pumped through the generating facility in piping systems where the water cools process equipment indirectly. Therefore, our actual water consumption is very low, with over 97% returned overall for subsequent reuse.</p> <p>In addition, our company has general water use at our office buildings and other facilities that provide operational support, such as garages, warehouses and equipment maintenance. This water use includes potable drinking water, sanitary and various ancillary uses. This general water use represents less than 1% of our total water consumption.</p> <p>Therefore, because over 99% of Alliant Energy's water use is driven by fossil-fueled generation, our company's climate-related scenario analysis results provide useful insights on the potential impacts of low-carbon transition on our future energy mix. More specifically, our Clean Energy Blueprint plan that guides our low-carbon transition to successfully provide for customers' future energy needs by expanding cost-effective renewable resources and implementing alternative energy resources. Implementing this plan is integral to successful achievement of our company's water reduction goal.</p>	<p>The EPRI climate study found that Alliant Energy's Clean Energy Vision emission reduction goals are consistent with the Paris Agreement's objective to limit global average temperature rise to well below 2°C above pre-industrial levels and to pursue efforts to limit global average temperature increase even further to 1.5°C. Clean Energy Blueprint plans are consistent with a low-carbon transition under various scenario outcomes that consider different policy, market, technology, social, and economic contexts. The results of EPRI's scenario analysis will be used to inform our ongoing review of Blueprint plans and progress in achieving our goals (below). Additional details are available at: http://alliantenergy.com/2023goalupdate</p> <p>Successful execution of our Strategy will enable us to achieve our clean energy initiatives.</p> <p>By 2030:</p> <ul style="list-style-type: none"> • Reduce greenhouse gas emissions from our utility operations by 50% from 2005 levels • Reduce our electric utility water supply by 75% from 2005 levels • Electrify 100% of our company-owned light-duty fleet vehicles <p>By 2040:</p> <ul style="list-style-type: none"> • Eliminate all coal from our generation fleet • Reduce greenhouse gas emissions from our utility operations by 80% from 2005 levels <p>By 2050:</p> <ul style="list-style-type: none"> • Aspire to achieve net-zero greenhouse gas emissions from our utility operations <p>We will continue to review and update our Sustainable Energy Plan and Clean Energy Vision, based on future economic developments, evolving energy technologies and emerging trends in the communities we serve.</p>

W7.4

(W7.4) Does your company use an internal price on water?

Row 1

Does your company use an internal price on water?

No, and we do not anticipate doing so within the next two years

Please explain

The Company does not plan to use an internal price on water and will instead integrate water stewardship into our practices through our water reduction goals and implementation of sustainability programs.

W7.5

(W7.5) Do you classify any of your current products and/or services as low water impact?

	Products and/or services classified as low water impact	Definition used to classify low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	Yes	<p>Alliant Energy's growing portfolio of customer-focused energy solutions includes programs and products that support reductions in carbon emissions and are expected to lower water impacts associated with energy use.</p> <p>As our energy mix transitions to use more renewable resources, this will result in less water used to generate electricity. The criteria used to classify our products and services as low water impact includes supporting the transition to a low-carbon economy by reducing energy use and also through expansion of renewable resources. These criteria apply both to product use and production of energy through reduced reliance of fossil-fueled electric generation.</p> <p>As a Midwest electric utility with service areas in Iowa and Wisconsin, international standards are not applicable to our operations and do not need to be considered in setting our low water impact criteria. However, we have referenced published studies by the National Renewable Energy Laboratory (NREL) including "A Review of Operational Water Consumption and Withdrawal Factors for Electricity Generating Technologies" NREL/TP-6A20-50900 March 2011 available at: https://www.nrel.gov/docs/fy11osti/50900.pdf. This research study provides water consumption factors for various electric generation technologies including wind and solar - documenting the low water impacts from these renewable resources.</p> <p>Examples of low water impact products and services offered to Alliant Energy's customers include:</p> <ul style="list-style-type: none"> • Energy efficiency: Our company's energy efficiency portfolio includes programs targeted at reducing total energy usage as well as to support managing peak periods by reducing or shifting energy use through demand response. These are implemented through Interstate Power and Light's Energy Efficiency Plan in Iowa and Wisconsin Power and Light's participation in the state-managed Focus on Energy (FoE) program in Wisconsin. Alliant Energy's customers benefit from our energy efficiency programs as an option to conserve energy, reduce costs, and help the environment. Our energy efficiency programs offer both customer rebates and also our Alliant Energy® Marketplace to purchase energy-efficient products such as smart thermostats and lighting. • Customer-renewable options: Our Second Nature® program provides an option for our residential and non-residential customers to support electricity generated from wind and solar resources located in Iowa and Wisconsin. Customers simply select a participation level, and a third party verifies annually that all electricity purchased on behalf of Second Nature participants comes from qualified renewable resources. In addition, we offer various renewable energy options directly to our customers through green tariffs and other customizable utility rate designs. This currently includes our Alliant Energy® Community Solar, Customer-Hosted Renewables and Renewable Energy Partner programs. • Electrification initiatives: We support electrification initiatives as an opportunity to enable broader, economy-wide carbon reductions, especially from transportation — which is now the highest CO2 emitting sector in the United States. As the power sector transitions by expanding renewable and other cleaner energy resources, electric vehicles can reduce emissions by charging with electricity from the grid. At industrial and commercial facilities, providing emissions-free work-site conditions significantly benefits equipment operators. Our company is encouraging business adoption of various electrification options such as electric forklifts, electric truck refrigeration units and electric cars and trucks. We also support residential adoption by sponsoring various rebates and educational events. Alliant Energy also offers rebates to residential, commercial, and community customers. Our 2022 customer electrification rebates supported: <ul style="list-style-type: none"> • 276 residential customer and employee Level 2 EV charging stations • 17 non-residential customer Level 2 EV charging stations • 92 electric forklifts • 2 electric truck refrigeration units (eTRUs) 	<Not Applicable>	<p>As described in the prior field on how our company classifies low water impact, our portfolio of customer solutions include: 1) energy efficiency; 2) customer-renewable options, and 3) electrification rebates.</p> <p>Additional information is available online for our programs as follows:</p> <p>Energy efficiency rebates and market: https://alliantenergymarketplace.com/</p> <p>Second Nature: https://www.alliantenergy.com/cleanenergy/whatyoucando/seconnature</p> <p>Community Solar: https://www.alliantenergy.com/cleanenergy/whatyoucando/communitysolar</p> <p>Customer-hosted renewables: https://www.alliantenergy.com/cleanenergy/whatyoucando/customerhostedrenewables</p> <p>Renewable Energy Partner: https://www.alliantenergy.com/cleanenergy/whatyoucando/renewableenergypartner</p> <p>Electrification: https://www.alliantenergy.com/cleanenergy/ourenergyvision/electrification</p>

W8. Targets

W8.1

(W8.1) Do you have any water-related targets?

Yes

W8.1a

(W8.1a) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.

	Target set in this category	Please explain
Water pollution	Please select	<Not Applicable>
Water withdrawals	Yes	<Not Applicable>
Water, Sanitation, and Hygiene (WASH) services	Please select	<Not Applicable>
Other	Please select	<Not Applicable>

W8.1b

(W8.1b) Provide details of your water-related targets and the progress made.

Target reference number

Target 1

Category of target

Water withdrawals

Target coverage

Company-wide (direct operations only)

Quantitative metric

Reduction in total water withdrawals

Year target was set

2016

Base year

2005

Base year figure

462543.57

Target year

2030

Target year figure

Reporting year figure

230810.19

% of target achieved relative to base year

<Calculated field>

Target status in reporting year

Underway

Please explain

Alliant Energy's Clean Energy Blueprint and sustainable energy plan guide our long-term transition to successfully provide for customers' future energy needs. We are transitioning our energy to a cleaner mix, expanding cost-effective renewable resources and implementing alternative energy resources. Alliant Energy continues to track progress on our 75% reduction goal for water withdrawals. Our water reduction goal covers all of our electric utility operations, including owned fossil-fueled electric generation, hydro-electric generation and our supporting facility operations. In 2022, we achieved 50% reduction compared to 2005 levels, equating to a reduction in volume of over 231,000 million gallons of water. Our company's future efforts will continue to focus on implementing water conservation measures and adding renewable resources to further reduce water use from our electric utility operations.

W9. Verification

W9.1

(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?

No, we do not currently verify any other water information reported in our CDP disclosure

W10. Plastics

W10.1

(W10.1) Have you mapped where in your value chain plastics are used and/or produced?

	Plastics mapping	Value chain stage	Please explain
Row 1	Please select	<Not Applicable>	

W10.2

(W10.2) Across your value chain, have you assessed the potential environmental and human health impacts of your use and/or production of plastics?

	Impact assessment	Value chain stage	Please explain
Row 1	Please select	<Not Applicable>	

W10.3

(W10.3) Across your value chain, are you exposed to plastics-related risks with the potential to have a substantive financial or strategic impact on your business? If so, provide details.

	Risk exposure	Value chain stage	Type of risk	Please explain
Row 1	Please select	<Not Applicable>	<Not Applicable>	

W10.4

(W10.4) Do you have plastics-related targets, and if so what type?

	Targets in place	Target type	Target metric	Please explain
Row 1	Please select	<Not Applicable>	<Not Applicable>	

W10.5

(W10.5) Indicate whether your organization engages in the following activities.

	Activity applies	Comment
Production of plastic polymers	Please select	
Production of durable plastic components	Please select	
Production / commercialization of durable plastic goods (including mixed materials)	Please select	
Production / commercialization of plastic packaging	Please select	
Production of goods packaged in plastics	Please select	
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	Please select	

W11. Sign off

W-FI

(W-FI) 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.

W11.1

(W11.1) Provide details for the person that has signed off (approved) your CDP water response.

	Job title	Corresponding job category
Row 1	Michele A. Pluta, P.E.	Other, please specify (ESG Program Manager)

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.

No

Please confirm below

I have read and accept the applicable Terms