

Welcome to your CDP Water Security Questionnaire 2019

W0. Introduction

W0.1

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

GENERAL NiSource, Inc. is a leading natural gas and electric utility company. Our nearly 8,000 employees ensure approximately 4 million Columbia Gas and NIPSCO customers have the energy they need across seven U.S. states. We're one of the largest fully regulated utility companies in the United States, covering service territories across Indiana, Kentucky, Maryland, Massachusetts, Ohio, Pennsylvania and Virginia. NiSource and its companies are committed to pursuing strong programs that prioritize environmental, health and safety responsibilities and achieves environmental, health and safety excellence. Our vision is to establish a legacy of social responsibility and environmental stewardship reflective of a premier energy company.

GAS DISTRIBUTION OPERATIONS NiSource's natural gas distribution operations operate approximately 59,000 miles of pipe and serve approximately 3.5 million customers across seven states.

ELECTRIC GENERATION OPERATIONS Through its subsidiary company NIPSCO, NiSource generates, transmits, and distributes electricity to approximately 468,000 customers in northern Indiana. NIPSCO electric transmission is marketed by the Midcontinent Independent Systems Operators (MISO), a nonprofit organization created to offer regional wholesale electric transmission services under one tariff complaint with the Federal Energy Regulatory Commission (FERC) regulations to enhance the reliability of electric power availability. NIPSCO owns and operates three coal-fired generating stations, one combined-cycle gas turbine generating station, and two hydroelectric generating stations. The NIPSCO fleet has a combined electric generating capacity of approximately 4,000 megawatts (4,000 MW) and is diverse in its portfolio providing electric service from fossil fuel, natural gas, hydroelectric, and purchased renewable source credits such as wind power.

WATER Our coal-fired and combined cycle natural gas turbine units use water to generate steam to turn turbines as well as to provide cooling water for condensers and water re-use. While NIPSCO operates electric generating facilities in an area with abundant fresh water resources, we recognize the need to maintain water quantity and quality in our region and continue to invest in and maintain or improve water quality. A particular focus area is northern Indiana, where our use of water in electric generation is the highest among our operating areas. We continue to identify and implement new technology that ensures environmental compliance and the preservation of this vital resource for the surrounding community. For example, our electric generation facilities return approximately 95 percent of withdrawn water to surface

water bodies in an environmentally responsible way that protects both water quality and the environment.

W-EU0.1a

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

- Electricity generation
- Transmission
- Distribution

W-EU0.1b

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

	Nameplate capacity (MW)	% of total nameplate capacity	Gross generation (MWh)
Coal – hard	2,080	72.9	10,135,946
Lignite	0	0	0
Oil	0	0	0
Gas	757	26.5	3,052,227
Biomass	0	0	0
Waste (non-biomass)	0	0	0
Nuclear	0	0	0
Geothermal	0	0	0
Hydroelectric	16	0.6	43,584
Wind	0	0	0
Solar	0	0	0
Other renewable	0	0	0
Other non-renewable	0	0	0
Total	2,853	100	13,231,757

W0.2

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

	Start date	End date
Reporting year	January 1, 2018	

W0.3

(W0.3) Select the countries/regions for which you will be supplying data.

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 over which operational control is exercised

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
Only the NIPSCO Generating Stations (electric generation) are reported in this disclosure. The NiSource natural gas distribution companies (i.e. Columbia Gas) and NIPSCO's natural gas operations use de minimis amounts of water by comparison to NIPSCO electric generation and that use is not tracked or recorded.	NiSource tracks the water use for only the NIPSCO electric generation operations.

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	Vital	Important	NiSource's subsidiary, NIPSCO utilizes freshwater for use in operations pertaining to its three coal fired generating stations and one

freshwater available for use			combined cycle natural gas turbine generating station. Additionally, NIPSCO operates two hydroelectric dam facilities. Abundant water is critical for continued operations.
Sufficient amounts of recycled, brackish and/or produced water available for use	Vital	Important	NIPSCO utilizes internally recycled water from its circulating water system for use in Flue Gas Desulfurization (FGD) units. While operations is able to control and provide recycled water, abundant water is critical for continued operations.

W1.2

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

	% of sites/facilities/operations	Please explain
Water withdrawals – total volumes	76-99	Indiana Department of Natural Resources requires monitoring and reporting of Significant Withdrawal data on an annual basis.
Water withdrawals – volumes from water stressed areas	Not relevant	
Water withdrawals – volumes by source	76-99	Indiana Department of Natural Resources monthly reporting requirement for the Kankakee River. Additionally, water withdrawals, including groundwater, are tracked at all stations for the annual significant withdrawal report.
Water withdrawals quality	76-99	In order to provide the water quality for our operations, general water quality of the raw water sources is monitored and evaluated prior to additional in-house water treatment. In addition, where groundwater is used as a potable source water, the water quality is monitored in accordance with requirements from the U.S. Environmental Protection Agency as well as the Indiana Department of Environmental Management and the Department of Health.
Water discharges – total volumes	76-99	Discharge water temperature is a required datum reported in the Clean Water Act required Discharge Monitoring Report (DMR) submitted to the Indiana Department of Environmental Management for compliance with the National

		Pollution Discharge Elimination System (NPDES) program.
Water discharges – volumes by destination	76-99	DMRs are facility specific.
Water discharges – volumes by treatment method	76-99	DMRs are facility specific, which utilize a single treatment approach.
Water discharge quality – by standard effluent parameters	76-99	All NIPSCO generating unit's discharged water quality is tested in accordance with the parameters identified in the applicable NPDES permit, in accordance with the Clean Water Act, and reported through the NPDES programs DMR process.
Water discharge quality – temperature	76-99	Discharge water temperature is a required datum reported in the Clean Water Act required Discharge Monitoring Report (DMR) submitted to the Indiana Department of Environmental Management for compliance with the National Pollution Discharge Elimination System (NPDES) program.
Water consumption – total volume	76-99	Estimated based on the mathematical difference between the total withdrawal and discharge volumes. Engineering estimates are applied to account for loss from evaporation in the application of cooling tower technology.
Water recycled/reused	1-25	Water used to sluice ash is discharged to a pond system. A portion of this water can be redirected, as needed, and reused in select operations including main system service water, non-contact cooling purposes, and as make-up to environmental control equipment such as the flue gas desulfurization units.
The provision of fully-functioning, safely managed WASH services to all workers	100%	All NiSource facilities provide water of adequate quality for purposes of drinking, sanitation, and hygiene.

W-EU1.2a

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

	% of sites/facilities/operations measured and monitored	Please explain
Fulfilment of downstream environmental flows	100%	We monitor dissolved oxygen as required by our FERC (Federal Energy Regulatory Commission) license. In addition, during periods of low flow, we implement our abnormal low flow plan, as required by USFWS (U.S. Fish & Wildlife Service) to protect existing endangered mussel habitat.
Sediment loading	Not 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, and how do these volumes compare to the previous reporting year?

	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Total withdrawals	106,441.24	Much lower	70% decrease largely impacted by retirement of two electric generating units
Total discharges	80,301.83	Much lower	76% decrease largely impacted by retirement of two electric generating units
Total consumption	26,139.41	Much higher	39% increase. Retirement of our single pass-through units is the primary factor of overall withdrawal and discharge decreases. Consumption decreases of 5.5% and 14% were observed on two of our remaining three coal fired stations.

W1.2h

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Relevant	98,880	Much lower	72% decrease largely impacted by retirement of two

				electric generating units
Brackish surface water/Seawater	Not relevant			
Groundwater – renewable	Relevant	7,560	About the same	Similar order of magnitude
Groundwater – non-renewable	Not relevant			
Produced/Entrained water	Not relevant			
Third party sources	Not relevant			

W1.2i

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

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water	Relevant	93,443	Much lower	72% decrease largely impacted by retirement of two electric generating units
Brackish surface water/seawater	Not relevant			
Groundwater	Not relevant			
Third-party destinations	Not relevant			

W1.2j

(W1.2j) What proportion of your total water use do you recycle or reuse?

	% recycled and reused	Comparison with previous reporting year	Please explain
Row 1	11-25	About the same	Engineering estimate

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)	Numerator: water aspect	Denominator: unit of production	Comparison with previous reporting year	Please explain
8.07	Total water withdrawals	MWh	Much lower	74% decrease
1.98	Total water consumption	MWh	Higher	20.1% increase

W1.4

(W1.4) Do you engage with your value chain on water-related issues?

No, we do not engage on water with our value chain

W1.4d

(W1.4d) Why do you not engage with any stages of your value chain on water-related issues and what are your plans?

	Primary reason	Please explain
Row 1	Other, please specify Beyond our control	We do not control nor have influence on the operating conditions of our suppliers.

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?

No

W3. Procedures

W-EU3.1

(W-EU3.1) How does your organization identify and classify potential water pollutants associated with your business activities in the electric utilities sector that could have a detrimental impact on water ecosystems or human health?

The USEPA (U.S. Environmental Protection Agency) establishes environmental regulations applicable to the electric utilities sector. These regulations identify potential water pollutants as well as the monitoring requirements.

W-EU3.1a

(W-EU3.1a) Describe how your organization minimizes the adverse impacts of potential water pollutants associated with your activities in the electric utilities sector on water ecosystems or human health.

Potential water pollutant	Description of water pollutant and potential impacts	Management procedures	Please explain
Hydrocarbons	Oil and associated products are restricted, via federal regulation, from being released into the water system.	Compliance with effluent quality standards Measures to prevent spillage, leaching, and leakages Community/stakeholder engagement Emergency preparedness	All NIPSCO electric generating units must comply with the requirements of the Clean Water Act via the National Pollutant Discharge Elimination System (NPDES) program. Compliance with the NPDES program includes monitoring our water discharge for hydrocarbons. In addition, the Spill Prevention, Control, and Countermeasure (SPCC) and the Facility Response Plan (FRP) rules require planning and prevention plans are implemented. The SPCC rule helps facilities prevent a discharge of oil into navigable waters or adjoining shorelines. The FRP rule requires certain facilities to submit a response plan and prepare to respond to a worst case oil discharge or threat of a discharge.

<p>Coal combustion residuals</p>	<p>Coal combustion residuals (CCRs) are restricted, via federal regulation, from being released into the water system.</p>	<p>Compliance with effluent quality standards Measures to prevent spillage, leaching, and leakages Community/stakeholder engagement Emergency preparedness</p>	<p>All NIPSCO electric generating units must comply with the requirements of the Clean Water Act via the National Pollutant Discharge Elimination System (NPDES) program. In addition to traditional effluent discharge monitoring, facilities with combustion waste impoundments are required to evaluate the impoundments for potential discharge via seepage and/or failure of the structural integrity of the impoundment. The NIPSCO coal combustion residual impoundments are routinely monitored for compliance with application federal regulations.</p>
<p>Thermal pollution</p>	<p>Adverse thermal discharge is restricted, via federal regulation, from being released into the water system.</p>	<p>Compliance with effluent quality standards Community/stakeholder engagement</p>	<p>All NIPSCO electric generating units must comply with the requirements of the Clean Water Act via the National Pollutant Discharge Elimination System (NPDES) program. Compliance with the NPDES program and section 316(a) of the CWA includes controlling and monitoring our thermal discharge.</p>
<p>Other, please specify</p>	<p>Numerous chemical pollutants and characteristics, including metals, nutrients, and organic compounds are restricted, via federal regulation, from being released into the water system.</p>	<p>Compliance with effluent quality standards Measures to prevent spillage, leaching, and leakages Community/stakeholder engagement Emergency preparedness</p>	<p>All NIPSCO electric generating units must comply with the requirements of the Clean Water Act via the National Pollutant Discharge Elimination System (NPDES) program with monitoring and compliance programs for numerous potential water pollutants beyond the above listed measures taken for hydrocarbons, coal combustion residuals, and thermal discharge. We are subject to regulations covering hundreds of potential pollutants including chemical, biological, and physical characteristics.</p>

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.

Direct operations

Coverage

Full

Risk assessment procedure

Water risks are assessed as part of other company-wide risk assessment system

Frequency of assessment

Six-monthly or more frequently

How far into the future are risks considered?

1 to 3 years

Type of tools and methods used

Databases

Other

Tools and methods used

Regional government databases

Internal company methods

Comment

Supply chain

Coverage

None

Comment

Other stages of the value chain

Coverage

None

Comment

W3.3b

(W3.3b) Which of the following contextual issues are considered in your organization's water-related risk assessments?

	Relevance & inclusion	Please explain
Water availability at a basin/catchment level	Relevant, always included	USGS (United States Geological Survey) station data are monitored for water availability and low level conditions.
Water quality at a basin/catchment level	Relevant, always included	NIPSCO Chemical Compliance department monitors raw water quality. These data are used to guide our pretreatment operations as well as to provide input towards future potential water quality issues.
Stakeholder conflicts concerning water resources at a basin/catchment level	Relevant, always included	NiSource/NIPSCO is constantly involved with local, regional, and other stakeholder groups. This interaction assists us in operating in concert with other activities and water use initiatives as well as with practices desired by our communities.
Implications of water on your key commodities/raw materials	Not relevant, explanation provided	The raw materials used in our electric generating facilities are not shipped via water. That said, NIPSCO participates in local stakeholder groups, one of which routinely assesses and evaluates the topic of potential limited water access.
Water-related regulatory frameworks	Relevant, always included	NiSource/NIPSCO continuously interact with local, state, and federal agencies. Our Environmental Policy team is responsible for evaluating the regulatory framework affecting our business operations.
Status of ecosystems and habitats	Relevant, always included	The NiSource/NIPSCO Environmental Natural Resource Permitting team monitors and guides our operations relative to ecosystems and various habitats.
Access to fully-functioning, safely managed WASH services for all employees	Relevant, always included	NiSource/NIPSCO Environmental and Industrial Hygiene teams are responsible for managing our potable water program to provide adequate water to employees for personal use.
Other contextual issues, please specify	Not considered	

W3.3c

(W3.3c) Which of the following stakeholders are considered in your organization's water-related risk assessments?

	Relevance & inclusion	Please explain

Customers	Relevant, always included	Satisfying customer needs in a safe manner is NiSource's primary business objective and this applies to all aspects of our business model including environmental matters. Customer survey responses and other customer feedback are received and considered in our planning process.
Employees	Relevant, always included	Our employees are also customers and stakeholders. Moreover, employee knowledge and innovation are extremely valuable. Accordingly, their input is of great value and always considered in our planning process.
Investors	Relevant, always included	Investors rely on NiSource to deliver on our business objectives. Furthermore, NiSource is an investor-owned company, governed by our Board of Directors which receive information and provide direction in all aspects of our operation via our commitment to transparency.
Local communities	Relevant, always included	NiSource is very active within our communities in which we both live and operate. Involved from numerous different levels within our communities, input is constantly received and information provided to be considered in our planning process.
NGOs	Relevant, always included	NiSource employees actively participate in numerous local non-governmental organizations. We operate in a transparent manner with NGOs which, we believe, provides us the best opportunity to work in a collaborative manner towards goals that best serve all involved.
Other water users at a basin/catchment level	Not relevant, explanation provided	Included in the other groups identified (customers, employees, NGOs).
Regulators	Relevant, always included	NiSource routinely works collaboratively with our regulators to ensure compliance with applicable environmental regulations.
River basin management authorities	Relevant, always included	NiSource employees actively participate in the local river basin management groups. As with NGOs and other stakeholders, we operate in a transparent manner with all stakeholders towards goals that best serve all involved.
Statutory special interest groups at a local level	Not relevant, explanation provided	Included in the other groups identified (customers, employees, NGOs).
Suppliers	Not relevant, explanation provided	NIPSCO continues to work with suppliers of our water treatment chemicals to ensure the use and application of additives appropriate to meet federal/state/local water quality standards.

Water utilities at a local level	Relevant, always included	As part of our local stakeholders, NIPSCO actively interfaces with our local water utility to ensure our operations do not negatively impact the public water supply.
Other stakeholder, please specify	Not relevant, explanation provided	Included in the other groups identified (customers, employees, NGOs).

W3.3d

(W3.3d) 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.

Water related risks are identified throughout the year using data from local databases as well as internal monitoring of water quality and water levels. At a minimum weekly meetings provide an opportunity for critical information to be passed along. Other opportunities occur at various monthly, quarterly, and annual update meetings.

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?

Yes, only within our direct operations

W4.1a

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

NIPSCO electric generation relies on adequate water for purposes of appropriate non-contact cooling. Insufficient water would limit our ability to operate.

W4.1b

(W4.1b) What is the total number of facilities exposed to water risks with the potential to have a substantive financial or strategic impact on your business, and what proportion of your company-wide facilities does this represent?

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	3	76-99	One coal-fired electric generating station that withdraws water from the Kankakee River, one coal-fired electric generating station that withdraws water from the White

			River, two hydroelectric facilities located on the Tippecanoe River.
--	--	--	--

W4.1c

(W4.1c) By river basin, what is the number and proportion of facilities exposed to water risks that could have a substantive impact on your business, and what is the potential business impact associated with those facilities?

Country/Region

United States of America

River basin

Other, please specify
Kankakee River

Number of facilities exposed to water risk

1

% company-wide facilities this represents

26-50

% company's annual electricity generation that could be affected by these facilities

26-50

% company's total global revenue that could be affected

26-50

Comment

Country/Region

United States of America

River basin

Other, please specify
White River

Number of facilities exposed to water risk

1

% company-wide facilities this represents

1-25

% company's annual electricity generation that could be affected by these facilities

1-25

% company's total global revenue that could be affected

1-25

Comment

Country/Region

United States of America

River basin

Other, please specify

Tippecanoe River

Number of facilities exposed to water risk

2

% company-wide facilities this represents

Less than 1%

% company's annual electricity generation that could be affected by these facilities

Less than 1%

% company's total global revenue that could be affected

Less than 1%

Comment

W4.2

(W4.2) Provide details of identified risks in your direct operations with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.

Country/Region

United States of America

River basin

Other, please specify

All: Kankakee, White, Tippecanoe rivers

Type of risk

Physical

Primary risk driver

Declining water quality

Primary potential impact

Closure of operations

Company-specific description

NIPSCO electric generation relies on adequate water for purposes of appropriate non-contact cooling. Insufficient water would limit our ability to operate. NIPSCO operates in areas of good water availability. Accordingly, the probability of a substantive impact is low.

Timeframe

Unknown

Magnitude of potential impact

Unknown

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

Potential financial impact figure - maximum (currency)

Explanation of financial impact

Primary response to risk

Adopt water efficiency, water re-use, recycling and conservation practices
Identified a water reduction plan.

Description of response

NIPSCO has identified a water reduction plan. Based on baseline volumes from 2005, we are progressing towards our goal to reduce water withdrawal and water discharge by 90% by the end of 2025.

Cost of response

Explanation of cost of response

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	Other, please specify Not applicable	Neither processing nor shipment of our primary raw materials (coal and natural gas) are not subject to water risks.

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

Other

Primary water-related opportunity

Other, please specify

Ability to operate

Company-specific description & strategy to realize opportunity

NIPSCO electric generation relies on adequate water for purposes of non-contact cooling. Inadequate water volume limits our ability to operate. Inadequate water quality requires additional pretreatment (added costs).

Estimated timeframe for realization

Current - up to 1 year

Magnitude of potential financial impact

Unknown

Are you able to provide a potential financial impact figure?

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact

W5. Facility-level water accounting

W5.1

(W5.1) For each facility referenced in W4.1c, provide coordinates, total water accounting data and comparisons with the previous reporting year.

Facility reference number

Facility 1

Facility name (optional)

R.M. Schahfer Generating Station

Country/Region

United States of America

River basin

Other, please specify
Kankakee River

Latitude

41.247197

Longitude

-87.024444

Primary power generation source for your electricity generation at this facility

Coal - hard

Total water withdrawals at this facility (megaliters/year)

37,796.2

Comparison of withdrawals with previous reporting year

Higher

Total water discharges at this facility (megaliters/year)

19,656.89

Comparison of discharges with previous reporting year

About the same

Total water consumption at this facility (megaliters/year)

18,139.69

Comparison of consumption with previous reporting year

Much higher

Please explain

Water withdrawal and discharge volumes are based on metered volumes reported to applicable regulatory agencies. In 2018, the Schahfer Station saw an increased withdrawal of 24%, an increased return of 6.7%, and an increased consumption of 50% coupled with an increase of generation while a similar efficiency compared to the previous year.

Facility reference number

Facility 2

Facility name (optional)

Sugar Creek Generating Station

Country/Region

United States of America

River basin

Other, please specify
White River

Latitude

39.384038

Longitude

-87.5125

Primary power generation source for your electricity generation at this facility

Gas

Total water withdrawals at this facility (megaliters/year)

3,780.11

Comparison of withdrawals with previous reporting year

Lower

Total water discharges at this facility (megaliters/year)

1,633.4

Comparison of discharges with previous reporting year

About the same

Total water consumption at this facility (megaliters/year)

2,146.71

Comparison of consumption with previous reporting year

Much lower

Please explain

Water withdrawal and discharge volumes are based on metered volumes reported to applicable regulatory agencies. In 2018, the Sugar Creek Station saw an decreased withdrawal of 12%, a slight increased return of 4.7%, and a decreased consumption of 21% compared to the previous year.

W5.1a

(W5.1a) For each facility referenced in W5.1, provide withdrawal data by water source.

Facility reference number

Facility 1

Facility name

R.M. Schahfer Generating Station

Fresh surface water, including rainwater, water from wetlands, rivers and lakes

34,018.39

Brackish surface water/seawater

0

Groundwater - renewable

3,777.95

Groundwater - non-renewable

0

Produced/Entrained water

0

Third party sources

0

Comment

Facility reference number

Facility 2

Facility name

Sugar Creek Generating Station

Fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

Brackish surface water/seawater

0

Groundwater - renewable

3,780.11

Groundwater - non-renewable

0

Produced/Entrained water

0

Third party sources

0

Comment

W5.1b

(W5.1b) For each facility referenced in W5.1, provide discharge data by destination.

Facility reference number

Facility 1

Facility name

R.M. Schahfer Generating Station

Fresh surface water

19,656.89

Brackish surface water/Seawater

0

Groundwater

0

Third party destinations

0

Comment

Facility reference number

Facility 2

Facility name

Sugar Creek Generating Station

Fresh surface water

1,633.4

Brackish surface water/Seawater

0

Groundwater

0

Third party destinations

0

Comment

W5.1c

(W5.1c) For each facility referenced in W5.1, provide the proportion of your total water use that is recycled or reused, and give the comparison with the previous reporting year.

Facility reference number

Facility 1

Facility name

R.M. Schahfer Generating Station

% recycled or reused

11-25%

Comparison with previous reporting year

About the same

Please explain

Facility reference number

Facility 2

Facility name

Sugar Creek Generating Station

% recycled or reused

None

Comparison with previous reporting year

About the same

Please explain

W5.1d

(W5.1d) For the facilities referenced in W5.1, what proportion of water accounting data has been externally verified?

Water withdrawals – total volumes

% verified

76-100

What standard and methodology was used?

Data submitted to Trinity Consultants for validation.

Water withdrawals – volume by source

% verified

76-100

What standard and methodology was used?

Data submitted to Trinity Consultants for validation.

Water withdrawals – quality

% verified

Not verified

What standard and methodology was used?

Validation of raw water quality checks is not necessary.

Water discharges – total volumes

% verified

76-100

What standard and methodology was used?

Data submitted to Trinity Consultants for validation.

Water discharges – volume by destination

% verified

76-100

What standard and methodology was used?

Data submitted to Trinity Consultants for validation.

Water discharges – volume by treatment method

% verified

Not verified

What standard and methodology was used?

Treatment method delineation not necessary.

Water discharge quality – quality by standard effluent parameters

% verified

Not verified

What standard and methodology was used?

Not applicable.

Water discharge quality – temperature

% verified

Not verified

What standard and methodology was used?

Not applicable.

Water consumption – total volume

% verified

76-100

What standard and methodology was used?

Data submitted to Trinity Consultants for validation.

Water recycled/reused

% verified

Not verified

What standard and methodology was used?

Engineering estimates.

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	Description of business dependency on water Description of business impact on water Description of water-related performance standards for direct operations Company water targets and goals Commitments beyond regulatory compliance Commitment to water stewardship and/or collective action Recognition of environmental linkages, for example, due to climate change	

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	Please explain
President	The Vice President in charge of Environmental matters is directly responsible for managing information on water-related issues, making decisions about what the company will do and adapting those decisions based on water-related information. Plans, summaries, and status reports are provided to the President as well as the Board of Directors.

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 - all meetings	Monitoring implementation and performance Overseeing major capital expenditures Reviewing and guiding annual budgets Reviewing and guiding business plans Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding strategy Reviewing and guiding corporate responsibility strategy	

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, please specify
 Vice President, Environmental

Responsibility

Both assessing and managing water-related risks and opportunities

Frequency of reporting to the board on water-related issues

Quarterly

Please explain

The Vice President in charge of Environmental matters is directly responsible for managing information on water-related issues, making decisions about what the company will do and adapting those decisions based on water-related information. Plans, summaries, and status reports are provided to the President as well as the Board of Directors.

W-FB6.4/W-CH6.4/W-EU6.4/W-OG6.4/W-MM6.4

(W-FB6.4/W-CH6.4/W-EU6.4/W-OG6.4/W-MM6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?

No, and we do not plan to introduce them in the next two years

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

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?

A management team meets routinely to identify and assess environmental policy risks. This team aligns our Government Affairs and other policy activities with our commitments. For example, our water policy activities are aligned with our target to reduce wastewater discharge and water withdrawal by 90% by 2025.

W6.6

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

No, and we have no plans to do so

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	5-10	Our Integrated Resource Plan (IRP) is updated at a minimum of every 5 years. The IRP addresses the planning for the next 5 years of operation.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	Current water goals identify the plan and targets until 2025.
Financial planning	Yes, water-related issues are integrated	5-10	Capital projects require approval by our state regulatory commission. Financial forecasting is a required element of the submittals to the commission.

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

Unable to forecast due to uncertainty in upcoming regulatory requirements.

W7.3

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

	Use of climate-related scenario analysis	Comment
Row 1	Yes	Our climate-related scenarios include a 50% reduction in GHG emissions by 2025 and an 80% reduction in GHG emissions by 2050. In the NIPSCO Integrated Resource Plan (IRP) process this year, we presented a scenario to stakeholders whereby NiSource could achieve an 80% reduction in its emissions by 2050 (from a 2005 baseline), through a combination of renewable generation, natural gas-fired generation, energy efficiency, and natural gas priority pipeline replacement. An 80% GHG reduction by 2050 is consistent with published "2-degree" scenarios.

W7.3a

(W7.3a) Has your organization identified any water-related outcomes from your climate-related scenario analysis?

No

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

W8. Targets

W8.1

(W8.1) Describe your approach to setting and monitoring water-related targets and/or goals.

	Levels for targets and/or goals	Monitoring at corporate level	Approach to setting and monitoring targets and/or goals
Row 1	Company-wide targets and goals Site/facility specific targets and/or goals	Targets are monitored at the corporate level Goals are monitored at the corporate level	Federal and state regulations as well as the technology required for compliance are evaluated. Targets and goals are developed based on the compliance activities required.

W8.1a

(W8.1a) Provide details of your water targets that are monitored at the corporate level, and the progress made.

Target reference number

Target 1

Category of target

Water withdrawals

Level

Company-wide

Primary motivation

Cost savings

Description of target

90% reduction

Quantitative metric

% reduction in total water withdrawals

Baseline year

2005

Start year

2017

Target year

2025

% achieved

74

Please explain

Baseline 452194 megaliters, 2025 target 45219 megaliters, 2018 actual 106441 megaliters

Target reference number

Target 2

Category of target

Water consumption

Level

Company-wide

Primary motivation

Cost savings

Description of target

90% reduction

Quantitative metric

% reduction in total water consumption

Baseline year

2005

Start year

2017

Target year

2025

% achieved

77

Please explain

Baseline 22273 megaliters, 2025 target 2227 megaliters, 2018 actual 26139 megaliters

Target reference number

Target 3

Category of target

Water discharge

Level

Company-wide

Primary motivation

Cost savings

Description of target

90% reduction

Quantitative metric

Other, please specify
% reduction in total water discharge

Baseline year

2005

Start year

2017

Target year

2025

% achieved

79

Please explain

Baseline 429921 megaliters, 2025 target 42992 megaliters, 2018 actual 80302 megaliters

W8.1b

(W8.1b) Provide details of your water goal(s) that are monitored at the corporate level and the progress made.

Goal

Engagement with public policy makers to advance sustainable water management and policies

Level

Company-wide

Motivation

Recommended sector best practice

Description of goal

Baseline year

Start year

End year

Progress

W9. Linkages and trade-offs

W9.1

(W9.1) Has your organization identified any linkages or tradeoffs between water and other environmental issues in its direct operations and/or other parts of its value chain?

Yes

W9.1a

(W9.1a) Describe the linkages or tradeoffs and the related management policy or action.

Linkage or tradeoff

Linkage

Type of linkage/tradeoff

Decreased wastewater treatment

Description of linkage/tradeoff

Reduction of wash water resulted in avoiding additional capital costs for a permanent waste treatment operation as well as avoiding additional O&M costs.

Policy or action

W10. Verification

W10.1

(W10.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1d)?

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

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	Vice President, Environmental	Other, please specify Vice President

W11.2

(W11.2) Please indicate whether your organization agrees for CDP to transfer your publicly disclosed data on your impact and risk response strategies to the CEO Water Mandate's Water Action Hub [applies only to W2.1a (response to impacts), W4.2 and W4.2a (response to risks)].

Yes

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	Public or Non-Public Submission	I am submitting to
I am submitting my response	Public	Investors



Please confirm below

I have read and accept the applicable Terms