

Module: Introduction**Page: W0. Introduction****W0.1****Introduction****Please give a general description and introduction to your organization.**

Ameren Corporation, headquartered in St. Louis, MO, is a public utility holding company with annual revenue of more than \$6 billion. It is the parent company of Ameren Illinois, Ameren Missouri and Ameren Transmission Company of Illinois. Ameren employs 8,500-plus co-workers who serve approximately 2.4 million electric and more than 900,000 natural gas customers across 64,000 square miles in Illinois and Missouri. Ameren's net generating capacity, all of which is owned by Ameren Missouri, is approximately 10,200 MWs. In 2015, coal-fired generation accounted for 71% of our total electric generation; 25% from the company's nuclear plant; 4% from renewable power generation including hydroelectric, pumped-storage and methane gas; and less than 1% from natural-gas fired units. The Ameren subsidiary companies operate in several different regulatory environments.

In Missouri, Ameren's utility subsidiary, Union Electric Company d/b/a Ameren Missouri, operates a rate-regulated electric generation, transmission and distribution business and natural gas distribution business. In Illinois, Ameren's utility subsidiary, Ameren Illinois Company, operates a rate-regulated electric and natural gas transmission and distribution business. Ameren Transmission Company of Illinois develops regional electric transmission projects. The Ameren companies share a proven record for reducing emissions from our energy centers, while controlling costs for customers.

Ameren publishes its Corporate Social Responsibility (CSR) report annually. The 2016 report discusses the challenges Ameren faces and the actions being taken in the areas of sustainability, customer and communities, workforce, environment and shareholders. It details activities that Ameren has undertaken to balance community betterment, environmental stewardship and financial strength. The online report details how Ameren Missouri is transitioning to a cleaner and more diverse generation portfolio as well as how overall emissions have declined over the past 20 years. The report is available at AmerenCSR.com.

Currently, less than 20% of our revenues and earnings come from carbon emitting resources. In the future five year planning horizon, nearly all of our capital investments will be directed to our transmission and distribution systems and our non-carbon emitting generation resources. The investments in our transmission and distribution systems will allow the systems to be more efficient and provide access to new wind and solar renewable generation resources.

Following the U.S. Supreme Court's stay of the EPA's Clean Power Plan, Ameren Missouri will operate in accordance with its 2014 Integrated Resource Plan (IRP) which provides the necessary framework to responsibly transition to a cleaner and more diverse generation portfolio over the next 20 years. The IRP will result in: achieving a 30 percent reduction in carbon dioxide emissions by 2035, based on 2005 levels; retiring one-third of Ameren Missouri's current coal-fired generating capacity; significant expansion of Ameren Missouri renewable generation; offering cost-effective customer energy efficiency programs that can be used to reduce the amount of energy needed to provide the same level of service; and extension of the operating license allowing Callaway Energy Center to operate until 2044. The

IRP examines electric customers' projected long-term energy needs and describes Ameren Missouri's preferred approach to cost-effectively meet those needs with additional clean, diverse sources of energy while maintaining system reliability. The plan includes converting two units at Meramec Energy Center to natural gas in 2016, and retiring all units at Meramec by the end of 2022 and the Sioux Energy Center by the end of 2033. More information is available at Ameren.com/TransitionPlan and AmerenMissouri.com/IRP.

FORWARD-LOOKING STATEMENTS. Statements in this report not based on historical facts are considered "forward-looking" and, accordingly, involve risks and uncertainties that could cause actual results to differ materially from those discussed. We refer you to our Annual Report on Form 10-K for the year ended December 31, 2015, and our other reports filed with the SEC, which contain a list of factors and a discussion of risks that could cause actual results to differ materially from management expectations suggested in such forward-looking statements.

W0.2**Reporting year**

Please state the start and end date of the year for which you are reporting data.

Period for which data is reported
Thu 01 Jan 2015 - Thu 31 Dec 2015

W0.3**Reporting boundary**

Please indicate the category that describes the reporting boundary for companies, entities, or groups for which water-related impacts are reported.

Other: Union Electric d/b/a Ameren Missouri

W0.4

Exclusions

Are there any geographies, facilities or types of water inputs/outputs within this boundary which are not included in your disclosure?

Yes

W0.4a

Exclusions

Please report the exclusions in the following table

Exclusion	Please explain why you have made the exclusion
Ameren is only reporting surface water used at major generating energy centers which is the major source of water consumption. Combustion turbines have been excluded due to low water use. Groundwater use is insignificant; however, we reported groundwater usage at our energy center facilities.	Relative water use among facilities and availability of data.

Further Information

Module: Current State

Page: W1. Context

W1.1

Please rate the importance (current and future) of water quality and water quantity to the success of your organization

Water quality and quantity	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Vital for operations	Neutral	Direct Use: Provides required cooling water for power generation. Indirect Use/Value Chain: Powder River Basin (PRB) coal is the primary fuel source for four major energy centers and represents the largest key input within the supply chain. PRB area is not located in a water stressed region.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Neutral	Direct Use: Recycled water reduces the amount of water withdrawn and discharged. Indirect Use/Value Chain: Powder River Basin (PRB) coal is the primary fuel source for four major energy centers and represents the largest key input within the supply chain. PRB area is not located in a water stressed region.

W1.2

For your total operations, please detail which of the following water aspects are regularly measured and monitored and provide an explanation as to why or why not

Water aspect	% of sites/facilities/operations	Please explain
Water withdrawals- total volumes	Less than 1%	Primary use is for thermal cooling at energy centers. Use is estimated based on design pump flow rate and run times for each energy center. Impractical to attempt to measure volumes and measurements are not needed for plant operations.
Water withdrawals- volume by sources	Less than 1%	Primary use is for thermal cooling at energy centers. Use is estimated based on design pump flow rate and run times for each energy center. Impractical to attempt to measure volumes and measurements are not needed for plant operations.
Water discharges- total volumes	1-25	Discharge flow rates are metered at one facility. Others estimated based on DOE/NETL 2010 consumption factors.
Water discharges- volume by destination	1-25	Discharge flow rates are metered at one facility. Others estimated based on DOE/NETL 2010 consumption factors.
Water discharges- volume by treatment method	1-25	Cooling water discharges are measured at one facility and some treated NPDES outfalls are metered.

Water aspect	% of sites/facilities/operations	Please explain
Water discharge quality data-quality by standard effluent parameters	76-100	Outfalls are monitored for water quality as required by NPDES Permits.
Water consumption- total volume	1-25	Consumption based on metered discharge flows at one facility. Other facilities are estimated based on DOE/NETL 2010 data (gal water consumed/KWh generated).
Facilities providing fully-functioning WASH services for all workers	76-100	County water or potable water is available at each facility. The water quality is monitored at our facilities that provide potable water.

W1.2a

Water withdrawals: for the reporting year, please provide total water withdrawal data by source, across your operations

Source	Quantity (megaliters/year)	How does total water withdrawals for this source compare to the last reporting year?	Comment
Fresh surface water	4379010	About the same	This data is for our five generation facilities (i.e., coal and nuclear). Dependent on plant generation & weather
Brackish surface water/seawater	0	Not applicable	Our operations are not located near brackish or seawater sources.
Rainwater	0	Not applicable	No comment
Groundwater - renewable	6321	About the same	This is groundwater at three generation facilities. Better estimate available this year.
Groundwater - non-renewable	0	Not applicable	No comment
Produced/process water	0	Not applicable	No comment
Municipal supply	0	Not applicable	Some facilities use municipal supply for potable water; however, no quantity available.

Source	Quantity (megaliters/year)	How does total water withdrawals for this source compare to the last reporting year?	Comment
Wastewater from another organization	0	Not applicable	No comment
Total	4385331	About the same	2015 total includes groundwater and surface water data. Dependent on plant generation & weather

W1.2b

Water discharges: for the reporting year, please provide total water discharge data by destination, across your operations

Destination	Quantity (megaliters/year)	How does total water discharged to this destination compare to the last reporting year?	Comment
Fresh surface water	4345509	About the same	This is for our five generation facilities (i.e., coal and nuclear). Dependent on plant generation & weather.
Brackish surface water/seawater	0	Not applicable	Our operations are not located near brackish or seawater sources.
Groundwater	6321	About the same	This is groundwater at three generation facilities. Better estimate available this year,
Municipal/industrial wastewater treatment plant	5	Not applicable	This data represents the sanitary wastewater discharge to the municipal treatment plant from Meramec Energy Center. This is the first year we are reporting this data.
Wastewater for another organization	0	Not applicable	Our operations do not discharge wastewater for another organization.
Total	4351835	About the same	No Comment

W1.2c

Water consumption: for the reporting year, please provide total water consumption data, across your operations

Consumption (megaliters/year)	How does this consumption figure compare to the last reporting year?	Comment
33496	About the same	Dependent on plant generation & weather

W1.3

Do you request your suppliers to report on their water use, risks and/or management?

Yes

W1.3a

Please provide the proportion of suppliers you request to report on their water use, risks and/or management and the proportion of your procurement spend this represents

Proportion of suppliers %	Total procurement spend %	Rationale for this coverage
1-25	51-75	Suppliers with Highest Procurement Spend. Ameren engages our suppliers through our involvement with the Electric Utility Sustainability Supply Chain Alliance (Alliance). The Alliance is developing standards to improve the procurement and environmental standards of suppliers to the electric industry via outreach and education. In 2015, the Alliance sent a voluntary

Proportion of suppliers %	Total procurement spend %	Rationale for this coverage
		survey to our top 100 suppliers to assess their commitment to sustainability (metrics include: reductions in GHG emissions, waste and water usage). Ameren identifies measures of success of our suppliers if they have a sustainability program, they have taken action to improve metrics, and they have a program in place to track progress. Ameren is working with the Alliance to add sustainability questions (e.g., energy usage, water usage, waste generated) to the Request for Proposal Process template for our high volume suppliers (i.e., poles, wires, and transformers). This information will be used to compare potential suppliers (high volume suppliers) and identify opportunities for improving sustainability practices within the industry. Supplier count = 100 suppliers or 1% of our total supplier count. Those 100 suppliers represent 75% of our total Procurement Spend.

W1.3b

Please choose the option that best explains why you do not request your suppliers to report on their water use, risks and/or management

Primary reason	Please explain
----------------	----------------

W1.4

Has your organization experienced any detrimental impacts related to water in the reporting year?

No

W1.4a

Please describe the detrimental impacts experienced by your organization related to water in the reporting year

Country	River basin	Impact indicator	Impact	Description of impact	Length of impact	Overall financial impact	Response strategy	Description of response strategy
---------	-------------	------------------	--------	-----------------------	------------------	--------------------------	-------------------	----------------------------------

W1.4b

Please choose the option below that best explains why you do not know if your organization experienced any detrimental impacts related to water in the reporting year and any plans you have to investigate this in the future

Primary reason	Future plans
----------------	--------------

Further Information

Module: Risk Assessment

Page: W2. Procedures and Requirements

W2.1

Does your organization undertake a water-related risk assessment?

Water risks are assessed

W2.2

Please select the options that best describe your procedures with regard to assessing water risks

Risk assessment procedure	Coverage	Scale	Please explain
Water risk assessment undertaken independently of other risk assessments	Direct operations and supply chain	All facilities and some suppliers	Continually track developments and new environmental rulings then verify compliance. Perform compliance studies focused on wastewater characterization. Design and deploy treatment systems.

W2.3

Please state how frequently you undertake water risk assessments, what geographical scale and how far into the future you consider risks for each assessment

Frequency	Geographic scale	How far into the future are risks considered?	Comment
Sporadically not defined	Region	3 to 6 years	The Company evaluates water availability risks on an as needed basis. Continually monitor water quality and endangered species issues to mitigate potential short-term (1-2 years) and long-term (6-10 years) risks.

W2.4

Have you evaluated how water risks could affect the success (viability, constraints) of your organization's growth strategy?

Yes, evaluated over the next 10 years

W2.4a

Please explain how your organization evaluated the effects of water risks on the success (viability, constraints) of your organization's growth strategy?

The evaluation of water risk is currently integrated into the Company's overall business risk management process, as is the case with other risks that management and the Board of Directors are responsible for identifying, assessing, mitigating and monitoring on a Company wide basis. The Company, through its Corporate Planning Department, has a corporate process for identifying risks and opportunities that result from initiatives to address climate change and related issues, including those containing water risk. The Company has an Enterprise Risk Management (ERM) Team for governance and oversight of the proactive identification, assessment and management of such risks and opportunities. The ERM process is used to ensure the achievement of corporate objectives is consistent with the Company's overall risk tolerance and increases accountability for risk identification, assessment and mitigation as part of the Company corporate culture. A relative risk presentation is given by management to the Board's Audit and Risk Committee five times per year and to the full Board of Directors annually. Individual departments monitor water issues within the Company at a grass roots level and provide appropriate information to senior management. Company representatives also engage various outside entities on water related matters such as state and federal regulatory/resource organizations including the Missouri Department of Natural Resources (MDNR), Missouri Department of Conservation (MDC), US Army Corps of Engineers (USACE), Fish and Wildlife Service (FWS), regional watershed groups (Missouri River), along with local and regional non-governmental organizations (NGOs).

W2.4b

What is the main reason for not having evaluated how water risks could affect the success (viability, constraints) of your organization's growth strategy, and are there any plans in place to do so in the future?

Main reason	Current plans	Timeframe until evaluation	Comment
-------------	---------------	----------------------------	---------

W2.5

Please state the methods used to assess water risks

Method	Please explain how these methods are used in your risk assessment
WBCSD Global Water Tool	This is one tool to evaluate if there are any potential concerns. Potential concerns were not identified. If potential concerns were identified, then further analysis would be needed.

W2.6

Which of the following contextual issues are always factored into your organization's water risk assessments?

Issues	Choose option	Please explain
Current water availability and quality parameters at a local level	Relevant, included	Although our facilities are geographically situated in an area of ample water supply, we strive to minimize the impact of our operations on water quality and use. We track water levels on surrounding watersheds. This daily data informs our use of hydroelectric generation and can alert us to any stressed water level conditions. Historically, water availability within our system has not been cause for concern.
Current water regulatory frameworks and tariffs at a local level	Relevant, included	The Clean Water Act establishes limitations on discharges from industrial sources such as power plants. The state permitting authority regulates our discharges, through the National Pollutant Discharge Elimination System (NPDES) permit program. Updated Permits for the Callaway and Labadie Energy Centers became effective in 2015. We have filed timely permit renewal applications for our Rush Island, Sioux and Meramec energy centers.
Current stakeholder conflicts concerning water resources at a local level	Relevant, included	Ameren considers the environmental impacts of our business. We firmly believe having a strong social responsibility framework is critical to our ability to build and maintain trust with stakeholders. We actively communicate with key stakeholders and participate in stakeholder meetings on water related issues.
Current implications of water on your key commodities/raw materials	Relevant, included	Powder River Basin Coal (primary fuel source for four major energy centers) is not located in a water stressed region.
Current status of ecosystems and habitats at a local level	Relevant, included	Ecosystems and habitats are currently considered at our generating facilities when making plant modifications/changes and during regulatory permit actions.
Current river basin management plans	Relevant, included	Participate in the Missouri River Recovery Implementation Committee Advisory Group. Membership includes 28 stakeholders: federal agencies, states, tribes, and non-governmental stakeholders. The purpose of the Advisory Group is to study the Missouri River and its tributaries to determine actions

Issues	Choose option	Please explain
		required to recover federally listed species under the Endangered Species Act.
Current access to fully-functioning WASH services for all employees	Not relevant, explanation provided	County water or potable water is available at each facility. The water quality is monitored at our facilities that provide potable water.
Estimates of future changes in water availability at a local level	Relevant, included	Although our facilities are geographically situated in an area of ample water supply, we strive to minimize the impact of our operations on water quality and use. Water availability risks are included in an enterprise risk management system.
Estimates of future potential regulatory changes at a local level	Relevant, included	Ameren is committed to protecting all natural resources, including water. We are developing an effective plan of action in response to the new regulations such as EPA's revised effluent limitations guidelines for the steam electric power sector. We evaluate possible future regulatory changes and include them in an enterprise risk management system. We develop plans to ensure the water in our region remains safe and clean.
Estimates of future potential stakeholder conflicts at a local level	Relevant, included	Ameren considers the environmental impacts of our business. We firmly believe having a strong social responsibility framework is critical to our ability to build and maintain trust with stakeholders and we consider stakeholder perspectives in planning for the future.
Estimates of future implications of water on your key commodities/raw materials	Relevant, included	Currently our largest supplier Power River Basin Coal is not located in a water stressed region and should not be affected in the future.
Estimates of future potential changes in the status of ecosystems and habitats at a local level	Relevant, included	Addressed in permit actions and construction activities.
Scenario analysis of availability of sufficient quantity and quality of water relevant for your operations at a local level	Relevant, included	Although our facilities are geographically situated in an area of ample water supply, we strive to minimize the impact of our operations on water quality and use. We track water levels on surrounding watersheds. This daily data informs our use of hydroelectric generation and can alert us to any stressed water level conditions. Historically, water availability within our system has not been cause for concern.
Scenario analysis of regulatory and/or tariff changes at a local level	Relevant, included	We evaluate possible future regulatory changes and plan for various scenario outcomes. Future regulatory changes are included in an enterprise risk management system.
Scenario analysis of stakeholder conflicts concerning water resources at a local level	Relevant, included	Ameren actively considers the environmental impacts of our business. We firmly believe having a strong social responsibility framework is critical to our ability to build and maintain trust with stakeholders and we consider stakeholder perspectives in planning for the future.
Scenario analysis of implications of water on your key commodities/raw materials	Relevant, included	Currently our largest supplier Power River Basin Coal is not located in a water stressed region and should not be affected in the future.
Scenario analysis of potential changes in the status of ecosystems	Relevant, included	Perform as appropriate

Issues	Choose option	Please explain
and habitats at a local level		
Other		

W2.7

Which of the following stakeholders are always factored into your organization's water risk assessments?

Stakeholder	Choose option	Please explain
Customers	Relevant, included	Economic risk is always considered with a goal of providing low cost power to customers
Employees	Relevant, included	Economic risk is always considered
Investors	Relevant, included	Economic risk is always considered with a goal of providing the best shareholder performance
Local communities	Relevant, included	Participate in various groups.
NGOs	Relevant, included	Changing operating environment
Other water users at a local level	Relevant, included	Meet and monitor local water users near major generating facilities
Regulators	Relevant, included	Meet often with local regulators
River basin management authorities	Relevant, included	Participate in the Missouri River Recovery Implementation Committee Advisory Group. The purpose of the Advisory Group is to study the Missouri River and its tributaries to determine actions required to recover federally listed species under the Endangered Species Act.
Statutory special interest groups at a local level	Relevant, included	Express Company position, dialogue on issues
Suppliers	Not	No comment

Stakeholder	Choose option	Please explain
Water utilities/suppliers at a local level	evaluated Relevant, included	As appropriate
Other		

W2.8

Please choose the option that best explains why your organisation does not undertake a water-related risk assessment

Primary reason	Please explain

Further Information

Module: Implications

Page: W3. Water Risks

W3.1

Is your organization exposed to water risks, either current and/or future, that could generate a substantive change in your business, operations, revenue or expenditure?

Yes, direct operations only

W3.2

Please provide details as to how your organization defines substantive change in your business, operations, revenue or expenditure from water risk

Current risk is related to implementation of water regulations through the National Pollutant Discharge Elimination System (NPDES) permit program for our energy centers. New EPA regulations pertaining to Clean Water Act section 316(b) and Effluent Limitations Guidelines as well as future regulatory actions associated with threatened and endangered species and Clean Water Act section 316(a). Depending on the outcome of these regulatory actions, additional increases in capital expenditures may be required at energy centers.

W3.2a

Please provide the number of facilities* per river basin exposed to water risks that could generate a substantive change in your business, operations, revenue or expenditure and the proportion this represents of total operations company-wide

Country	River basin	Number of facilities exposed to water risk	Proportion of total operations (%)	Comment
United States of America	Mississippi River	5	71-80	

W3.2b

Please provide the proportion of financial value that could be affected at river basin level associated with the facilities listed in W3.2a

Country	River basin	Financial reporting metric	Proportion of chosen metric that could be affected within the river basin	Comment
United States of America	Mississippi River	% cost of goods sold	71-80	

Country	River basin	Financial reporting metric	Proportion of chosen metric that could be affected within the river basin	Comment
United States of America	Mississippi River	% global production capacity	71-80	

W3.2c

Please list the inherent water risks that could generate a substantive change in your business, operations, revenue or expenditure, the potential impact to your direct operations and the strategies to mitigate them

Country	River basin	Risk driver	Potential impact	Description of impact	Timeframe	Likelihood	Magnitude of potential financial impact	Response strategy	Costs of response strategy	Details of strategy and costs
United States of America	Mississippi River	Regulatory-Regulatory uncertainty	Decrease in shareholder value	If facilities would need to be closed due to lack of water availability, stranded cost issues for shareholders would arise and require regulatory approval for continued cost recovery.	>6 years	Unknown	Medium-high	Other: Comply with local legal requirements or company own internal standards, whichever is more stringent	medium-high	Evaluate final rulemaking. Determine actions necessary to meet requirements. Initiate changes to comply with new requirements. Comply with legal requirements (state and federal). Implement regulatory requirements. There is potential for increased

Country	River basin	Risk driver	Potential impact	Description of impact	Timeframe	Likelihood	Magnitude of potential financial impact	Response strategy	Costs of response strategy	Details of strategy and costs
										capital expenditure. Evaluate economic viability of continued energy center operation.
United States of America	Mississippi River	Regulatory-Regulatory uncertainty	Closure of operations	If facilities would need to be closed due to lack of water availability, stranded cost issues for shareholders would arise and require regulatory approval for continued cost recovery.	>6 years	Unknown	Medium-high	Other: Comply with local legal requirements or company own internal standards, whichever is more stringent	medium-high	Evaluate final rulemaking. Determine actions necessary to meet requirements. Initiate changes to comply with new requirements. Comply with legal requirements (state and federal). Implement regulatory requirements. There is potential for increased capital expenditure. Evaluate economic viability of continued energy center operation.
United States of	Mississippi River	Regulatory-Regulatory uncertainty	Higher operating costs	If facilities would need to be closed due	>6 years	Unknown	Medium-high	Other: Comply with local legal	medium-high	Evaluate final rulemaking. Determine actions

Country	River basin	Risk driver	Potential impact	Description of impact	Timeframe	Likelihood	Magnitude of potential financial impact	Response strategy	Costs of response strategy	Details of strategy and costs
America				to lack of water availability, stranded cost issues for shareholders would arise and require regulatory approval for continued cost recovery.				requirements or company own internal standards, whichever is more stringent		necessary to meet requirements. Initiate changes to comply with new requirements. Comply with legal requirements (state and federal). Implement regulatory requirements. There is potential for increased capital expenditure. Evaluate economic viability of continued energy center operation.
United States of America	Mississippi River	Regulatory-Regulatory uncertainty	Other: May require cooling towers which will require higher capital and operating costs	If facilities would need to be closed due to lack of water availability, stranded cost issues for shareholders would arise and require regulatory approval for continued cost	>6 years	Unknown	Medium-high	Other: Comply with local legal requirements or company own internal standards, whichever is more stringent	medium-high	Evaluate final rulemaking. Determine actions necessary to meet requirements. Initiate changes to comply with new requirements. Comply with legal requirements (state and federal). Implement

Country	River basin	Risk driver	Potential impact	Description of impact	Timeframe	Likelihood	Magnitude of potential financial impact	Response strategy	Costs of response strategy	Details of strategy and costs
				recovery.						regulatory requirements. There is potential for increased capital expenditure. Evaluate economic viability of continued energy center operation.

W3.2d

Please list the inherent water risks that could generate a substantive change in your business operations, revenue or expenditure, the potential impact to your supply chain and the strategies to mitigate them

Country	River basin	Risk driver	Potential impact	Description of impact	Timeframe	Likelihood	Magnitude of potential financial impact	Response strategy	Costs of response strategy	Details of strategy and costs

W3.2e

Please choose the option that best explains why you do not consider your organization to be exposed to water risks in your direct operations that could generate a substantive change in your business, operations, revenue or expenditure

Primary reason	Please explain
----------------	----------------

W3.2f

Please choose the option that best explains why you do not consider your organization to be exposed to water risks in your supply chain that could generate a substantive change in your business, operations, revenue or expenditure

Primary reason	Please explain
Other: Adequate supplies exist	Powder River Basin (PRB) coal is the primary fuel source for our four energy centers and represents the largest key input within the supply chain. Based on a review of the Global Water Tool the PRB area is not located in a water stressed region. As a result, we do not believe any water risks are significant at this time. We will continue to monitor periodically.

W3.2g

Please choose the option that best explains why you do not know if your organization is exposed to water risks that could generate a substantive change in your business operations, revenue or expenditure and discuss any future plans you have to assess this

Primary reason	Future plans
----------------	--------------

Further Information

Ameren engages our suppliers through our involvement with the Electric Utility Sustainability Supply Chain Alliance (Alliance). The Alliance is developing standards to improve the procurement and environmental standards of suppliers to the electric industry via outreach and education. In 2015, the Alliance sent a voluntary survey to our top 100 suppliers to assess their commitment to sustainability (metrics include: reductions in GHG emissions, waste and water usage). Ameren identifies measures of success of our suppliers if they have a sustainability program, they have taken action to improve metrics, and they have a program in place to track progress. Ameren is working with the Alliance to add sustainability questions (e.g., energy usage, water usage, waste generated) to the Request for Proposal Process template for our high volume suppliers (i.e., poles, wires, and transformers). This information will be used to compare potential suppliers (high volume suppliers) and identify opportunities for improving sustainability practices within the industry.

Page: W4. Water Opportunities

W4.1

Does water present strategic, operational or market opportunities that substantively benefit/have the potential to benefit your organization?

Yes

W4.1a

Please describe the opportunities water presents to your organization and your strategies to realize them

Country or region	Opportunity	Strategy to realize opportunity	Estimated timeframe	Please explain
United States of America	Cost savings	Water is used through-out Ameren generating facilities for cooling, generation, makeup, etc. Cost savings from water quantity/quality (use/treatment) is passed on to customers. In addition, river navigation is utilized for some shipment of large components and equipment. Water is required to operate our generating facilities which produce electricity for our customers to use. Therefore, it is critical to optimize our use of this natural resource.	>6 years	For life of plants
United States of	Other: increased operational	Water is used through-out Ameren generating facilities for cooling, generation, makeup, etc. Cost savings from water quantity/quality (use/treatment) is passed on to customers. In addition, river	>6 years	For life of plants

Country or region	Opportunity	Strategy to realize opportunity	Estimated timeframe	Please explain
America	efficiency	navigation is utilized for some shipment of large components and equipment. Water is required to operate our generating facilities which produce electricity for our customers to use. Therefore, it is critical to optimize our use of this natural resource.		

W4.1b

Please choose the option that best explains why water does not present your organization with any opportunities that have the potential to provide substantive benefit

Primary reason	Please explain
----------------	----------------

W4.1c

Please choose the option that best explains why you do not know if water presents your organization with any opportunities that have the potential to provide substantive benefit

Primary reason	Please explain
----------------	----------------

Further Information

Module: Accounting

Page: W5. Facility Level Water Accounting (I)

W5.1

Water withdrawals: for the reporting year, please complete the table below with water accounting data for all facilities included in your answer to W3.2a

Facility reference number	Country	River basin	Facility name	Total water withdrawals (megaliters/year) at this facility	How does the total water withdrawals at this facility compare to the last reporting year?	Please explain
Facility 1	United States of America	Mississippi River	Labadie	1745426	About the same	Dependent on plant generation & weather
Facility 2	United States of America	Mississippi River	Meramec	434351	About the same	Dependent on plant generation & weather
Facility 3	United States of America	Mississippi River	Rush Island	1306283	About the same	Dependent on plant generation & weather
Facility 4	United States of America	Mississippi River	Sioux	866511	About the same	Dependent on plant generation & weather
Facility 5	United States of America	Mississippi River	Callaway	32760	About the same	Dependent on plant generation & weather

Further Information

Page: W5. Facility Level Water Accounting (II)

W5.1a

Water withdrawals: for the reporting year, please provide withdrawal data, in megaliters per year, for the water sources used for all facilities reported in W5.1

Facility reference number	Fresh surface water	Brackish surface water/seawater	Rainwater	Groundwater (renewable)	Groundwater (non-renewable)	Produced/process water	Municipal water	Wastewater from another organization	Comment
Facility 1	1739457	0	0	5969	0	0	0	0	Surface water and groundwater data provided
Facility 2	434351	0	0	0	0	0	0	0	Surface water provided
Facility 3	1306260	0	0	23	0	0	0	0	Surface water and groundwater data provided
Facility 4	866511	0	0	0	0	0	0	0	Surface water provided
Facility 5	32431	0	0	329	0	0	0	0	Surface water and groundwater data provided

W5.2

Water discharge: for the reporting year, please complete the table below with water accounting data for all facilities included in your answer to W3.2a

Facility reference number	Total water discharged (megaliters/year) at this facility	How does the total water discharged at this facility compare to the last reporting year?	Please explain
Facility 1	1741115	About the same	Dependent on generation
Facility 2	433789	About the same	Dependent on generation
Facility 3	1304277	About the same	Dependent on generation
Facility 4	864759	About the same	Dependent on generation
Facility 5	7895	About the same	Dependent on generation

W5.2a

Water discharge: for the reporting year, please provide water discharge data, in megaliters per year, by destination for all facilities reported in W5.2

Facility reference number	Fresh surface water	Municipal/industrial wastewater treatment plant	Seawater	Groundwater	Wastewater for another organization	Comment
Facility 1	1735146	0	0	5969	0	Surface water and groundwater data is provided
Facility 2	433784	5	0	0	0	Surface water data is provided
Facility 3	1304254	0	0	23	0	Surface water and groundwater data is provided
Facility 4	864759	0	0	0	0	Surface water data is provided
Facility 5	7566	0	0	329	0	Surface water and groundwater data is provided

W5.3

Water consumption: for the reporting year, please provide water consumption data for all facilities reported in W3.2a

Facility reference number	Consumption (megaliters/year)	How does this compare to the last reporting year?	Please explain
Facility 1	4311	About the same	Dependent on plant generation
Facility 2	562	Lower	Dependent on plant generation
Facility 3	2006	About the same	Dependent on plant generation
Facility 4	1752	About the same	Dependent on plant generation
Facility 5	24865	About the same	Dependent on plant generation

W5.4

For all facilities reported in W3.2a what proportion of their water accounting data has been externally verified?

Water aspect	% verification	What standard and methodology was used?
Water withdrawals- total volumes	Not verified	Not verified
Water withdrawals- volume by sources	Not verified	Not verified
Water discharges- total volumes	Not verified	Not verified
Water discharges- volume by destination	Not verified	Not verified
Water discharges- volume by treatment method	Not verified	Not verified
Water discharge quality data- quality by standard effluent parameters	Not verified	Not verified
Water consumption- total volume	Not verified	Not verified

Further Information

Module: Response

Page: W6. Governance and Strategy

W6.1

Who has the highest level of direct responsibility for water within your organization and how frequently are they briefed?

Highest level of direct responsibility for water issues	Frequency of briefings on water issues	Comment
Board of individuals/Sub-set of the Board or other committee appointed by the Board	Other: Quarterly	Ameren has a corporate process for identifying risks and/or opportunities that result from initiatives to address water; this process allows Ameren's business segments to make prudent decisions, while meeting customers' energy needs in a safe, reliable, efficient and environmentally responsible manner. All risks associated with water are assessed in this process, including risks such as regulatory changes in customer behavior, reputation, and physical risks that are weather-related. This process is overseen by the Risk Management Steering Committee (RMSC). The RMSC is comprised of senior leadership from Ameren's business segments and are responsible for governance and oversight of enterprise risk management. The RMSC meets at least every other month. Members of the RMSC responsible for environmental compliance report to the Nuclear and Operations Committee of the Board of Directors a minimum of four times per year.

W6.2

Is water management integrated into your business strategy?

Yes

W6.2a

Please choose the option(s) below that best explain how water has positively influenced your business strategy

Influence of water on business strategy	Please explain
Alignment of public policy positions with water stewardship	Water is essential to our daily lives. Ameren is committed to water conservation efforts throughout our service territory. In 2015, Ameren implemented water conservation projects that will save an estimated 7.8 million gallons of water annually as a

Influence of water on business strategy	Please explain
goals	result of investments we've made in new equipment and upgrades at facilities in Illinois and Missouri, including our St. Louis headquarters. During 2015 Ameren spent \$159.7 million to develop and implement energy efficiency programs which avoided more than 759,000 MWh of generation and associated water use. Beneficial use of 218,000 tons of fly ash in 2015 resulted in substantial savings of water used to convey ash to ponds.
Water resource considerations are factored into location planning for new operations	Water resource considerations are factored into all new facility construction. For example Callaway Unit 2 evaluated water use and planned to use alluvial wells and cooling towers for cooling water to minimize effects on the Missouri River including reduced water withdrawal and no entrainment/impingement.
Publicly demonstrated our commitment to water	Ameren's Water Policy - Our company is committed to protecting all natural resources, including the preservation of water. Though our facilities are geographically situated in an area of ample water supply, all divisions within Ameren take into consideration the impact of our operations on both water quality and use. We have made conscious decisions to conserve water in the design and modifications of our facilities, and plan to conserve water further in the future.

W6.2b

Please choose the option(s) below that best explains how water has negatively influenced your business strategy

Influence of water on business strategy	Please explain
Increased capital expenditure	Cost expended during 2015 to prepare/plan for new regulations associated with ash ponds and wastewater treatment.
No measurable influence	To date our operations have not been impacted by water negatively.

W6.2c

Please choose the option that best explains why your organization does not integrate water management into its business strategy and discuss any future plans to do so

Primary reason	Please explain
----------------	----------------

W6.3

Does your organization have a water policy that sets out clear goals and guidelines for action?

Yes

W6.3a

Please select the content that best describes your water policy (tick all that apply)

Content	Please explain why this content is included
Company-wide	Ameren's Water Policy - Our company is committed to protecting all natural resources, including the preservation of water. Though our facilities are geographically situated in an area of ample water supply, all divisions within Ameren take into consideration the impact of our operations on both water quality and use. We have made conscious decisions to conserve water in the design and modifications of our facilities, and plan to conserve water further in the future.

W6.4

How does your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) during the most recent reporting year compare to the previous reporting year?

Water CAPEX (+/- % change)	Water OPEX (+/- % change)	Motivation for these changes
152		Actual spend in 2014 was \$8.8 million. This expenditure is for landfill construction at Ameren Missouri facilities to avoid wet slurry of coal combustion residuals; Clean Water Act Sections 316(a) and 316(b) projects; and wastewater treatment-ELG projects. Actual spend in 2015 was \$22.2 million. This expenditure is for landfill construction at Ameren Missouri facilities to avoid wet slurry of coal combustion residuals; Clean Water Act Sections 316(a) and 316(b) projects; and wastewater treatment-ELG projects---increase due to spend required for planning efforts.

Further Information

Page: W7. Compliance

W7.1

Was your organization subject to any penalties, fines and/or enforcement orders for breaches of abstraction licenses, discharge consents or other water and wastewater related regulations in the reporting year?

No

W7.1a

Please describe the penalties, fines and/or enforcement orders for breaches of abstraction licenses, discharge consents or other water and wastewater related regulations and your plans for resolving them

Facility name	Incident	Incident description	Frequency of occurrence in reporting year	Financial impact	Currency	Incident resolution
---------------	----------	----------------------	---	------------------	----------	---------------------

W7.1b

What proportion of your total facilities/operations are associated with the incidents listed in W7.1a

W7.1c

Please indicate the total financial impacts of all incidents reported in W7.1a as a proportion of total operating expenditure (OPEX) for the reporting year. Please also provide a comparison of this proportion compared to the previous reporting year

Impact as % of OPEX	Comparison to last year
---------------------	-------------------------

Further Information

Page: W8. Targets and Initiatives

W8.1

Do you have any company wide targets (quantitative) or goals (qualitative) related to water?

Yes, targets and goals

W8.1a

Please complete the following table with information on company wide quantitative targets (ongoing or reached completion during the reporting period) and an indication of progress made

Category of target	Motivation	Description of target	Quantitative unit of measurement	Base-line year	Target year	Proportion of target achieved, % value
Other: Water Usage	Other: recommended sector best practice; risk mitigation; water stewardship	Permit and construct landfill for ash storage. Reduce/eliminate utilization of wet ash ponds in the future. Started construction of another landfill.	Other: Capital Investment in infrastructure to support future dry ash handling and reduced ash pond water discharges.	2013	2019	42%
Reduction of product water intensity	Other: recommended sector best practice; risk mitigation; water stewardship	Permit and construct landfill for ash storage. Reduce/eliminate utilization of wet ash ponds in the future. Started construction of another landfill.	Other: Capital Investment in infrastructure to support future dry ash handling and reduced ash pond water discharges.	2013	2019	42%
Other: Design of new wastewater treatment systems	Other: recommended sector best practice; risk mitigation; water stewardship	Design of new wastewater treatment systems with potential for recycle use as part of the Effluent Limitations Guidelines implementation.	Other: Capital Investment in infrastructure to support future dry ash handling and reduced ash pond water discharges.	2014	2024	20%

W8.1b

Please describe any company wide qualitative goals (ongoing or reached completion during the reporting period) and your progress in achieving these

Goal	Motivation	Description of goal	Progress
------	------------	---------------------	----------

Goal	Motivation	Description of goal	Progress
Strengthen links with local community	Water stewardship	Conserve water as appropriate consistent with corporate policy.	Regulatory changes within the industry are moving utilities towards a lower water intensity.

W8.1c

Please explain why you do not have any water-related targets or goals and discuss any plans to develop these in the future

Further Information

Module: Linkages/Tradeoff

Page: W9. Managing trade-offs between water and other environmental issues

W9.1

Has your organization identified any linkages or trade-offs between water and other environmental issues in its value chain?

Yes

W9.1a

Please describe the linkages or trade-offs and the related management policy or action

Environmental issues	Linkage or trade-off	Policy or action
Wind and Solar renewable energy generation sources	Linkage	In 2015, Ameren Missouri operated a 5.7 MW (DC) solar park located in O'Fallon, MO – first year of operation; the O'Fallon Renewable Energy Center (OREC). Solar energy reduces reliance on water resources compared to coal-fired and/or nuclear generation; however, solar energy is an intermittent resource compared to coal and nuclear generation.
Our company is committed to protecting all natural resources, including the preservation of water. Capital expenditures are required for our continued efforts in environmental stewardship. Coal Combustion Residuals and Effluent Limitations Guidelines rules will require reduced use of water due to the requirements of these rules.	Linkage	Environmental investments will be made to our energy centers to comply with rules/regulations. These rules/regulations will reduce water consumption. An additional impact will be increased customer rates, creating a burden for our low income customers. As we transition to clean energy in a responsible and affordable manner for our customers, we will reduce water consumption as well.

Further Information

Module: Sign Off

Page: Sign Off

W10.1

Please provide the following information for the person that has signed off (approved) your CDP water response

Name	Job title	Corresponding job category
Mark C. Birk	Ameren Services, Senior Vice President, Corporate Safety, Planning and Oversight	Other: Executive Management Level, Senior Vice President

W10.2

Please select if your organization would like CDP to transfer your publicly disclosed response strategy from questions W1.4a, W3.2c and W3.2d to the CEO Water Mandate Water Action Hub.

No

Further Information

CDP 2016 Water 2016 Information Request