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OMB Control Number: 0694-0120 Expiration Date: November 30, 2019

Section 232 National Security Investigation: The Effect of Imports of Uranium on the National Security

Nuclear Power Operator Survey



SCOPE OF ASSESSMENT

The U.S. Department of Commerce, Bureau of Industry and Security (BIS), Office of Technology Evaluation (OTE), is conducting a survey of the U.S. nuclear power operator and end-user sector. The survey results will be used to support an ongoing investigation of the effect of imports of uranium on the national security initiated under Section 232 of the Trade Expansion Act of 1962, as amended.

The principal goal of this survey is to assist the U.S. Department of Commerce in determining whether uranium is being imported into the United States in such quantities or under such circumstances as to threaten to impair the national security. Information collected will include facilities and production data, mergers and acquisitions, joint ventures, trade flows, supply chain networks, sales and demand data, employment information, conditions of domestic and global competition, research and development, and other financial factors. The resulting data will provide the U.S. Department of Commerce detailed uranium industry information that is otherwise not publicly available and needed to effectively conduct this Section 232 investigation.

RESPONSE TO THIS SURVEY IS REQUIRED BY LAW

A response to this survey is required by law (50 U.S.C. Sec. 4555). Failure to respond can result in a maximum fine of \$10,000, imprisonment of up to one year, or both. Information furnished herewith is deemed confidential and will not be published or disclosed except in accordance with Section 705 of the Defense Production Act of 1950, as amended (50 U.S.C. Sec. 4555). Section 705 prohibits the publication or disclosure of this information unless the President determines that its withholding is contrary to the national defense. Information will not be shared with any non-government entity, other than in aggregate form. The information will be protected pursuant to the appropriate exemptions from disclosure under the Freedom of Information Act (FOIA), should it be the subject of a FOIA request.

Notwithstanding any other provision of law, no person is required to respond to nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number.

BURDEN ESTIMATE AND REQUEST FOR COMMENT

Public reporting burden for this collection of information is estimated to average 14 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information to BIS Information Collection Officer, Room 6883, Bureau of Industry and Security, U.S. Department of Commerce, Washington, D.C. 20230, and to the Office of Management and Budget, Paperwork Reduction Project (OMB Control No. 0694-0120), Washington, D.C. 20503.

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	General Instructions
A.	Your organization is required to complete this survey of the U.S. nuclear power generation sectors using an Excel template, which can be downloaded from the BIS website: http://www.bis.doc.gov/nuclearoperator If you are unable to download the survey document, at your request, BIS survey support staff will e-mail the Excel survey template directly to you. For your convenience, a PDF version of the survey and required drop-down content is available on the BIS website to aid internal data collection. DO NOT SUBMIT the PDF version of the survey as your response to BIS. Should this occur, your organization will be required to resubmit the survey in the requested Excel format.
B.	Respond to every question. Surveys that are not fully completed will be returned for completion. Use the comment boxes to provide any information to supplement responses provided in the survey form. Make sure to record a complete answer in the cell provided, even if the cell does not appear to expand to fit all of the information. DO NOT CUT AND PASTE RESPONSES WITHIN THIS SURVEY OR PASTE IN RESPONSES FROM OUTSIDE THE SURVEY. Survey inputs should be completed by typing in responses or by using a drop-down menu. The use of cut and paste can corrupt the survey template. If your survey response is corrupted as a result of cut and paste responses, your survey will be rejected and your organization must immediately resubmit the survey.
D.	Do not disclose any USG classified information in this survey form.
E.	Upon completion of the survey, final review, and certification, transmit the survey document via e-mail to : Uranium232@bis.doc.gov
F.	Questions related to the survey should be directed to BIS survey support staff at Uranium232@bis.doc.gov E-mail is the preferred method of contact. You may also speak with a member of the BIS survey support staff by calling (202) 482-3800.
G.	For questions related to the overall scope of this Section 232 Investigation, contact Uranium232@bis.doc.gov or: Brad Botwin, Director, Industrial Studies Office of Technology Evaluation, Bureau of Industry and Security, Room 1093 U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230 DO NOT submit completed surveys to Mr. Botwin's postal or personal e-mail address. All surveys must be submitted electronically to: Uranium232@bis.doc.gov
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<u>Previous Page</u>	<u>Next Page</u> Definitions
Term	Definition
Applied Research	A systematic study to gain knowledge or understanding necessary to determine the means by which a recognized and specific need may be met. This activity includes work leading to the production of useful materials, devices, and systems or methods, including design, development, and improvement of prototypes and new processes.
Authorizing Official	An executive officer of the organization or business unit or another individual who has the authority to execute this survey on behalf of the organization.
Basic Research	A systematic, scientific study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts.
Boiling Water Reactor (BWR)	A common nuclear power reactor design in which water flows upward through the core, where it is heated by fission and allowed to boil in the reactor vessel. The resulting steam drives turbines, which activate generators to produce electrical power.
Capital Expenditures	Investments made by an organization in buildings, equipment, property, and systems where the expense is depreciated. This does not include expenditures for consumable materials, other operating expenses, and salaries associated with normal business operations.
Customer	Any organization (external or internal entity) for which your organization manufactures/processes any product comprised of, or containing, uranium in any form.
Defense-related Activities	Any product or service that your organization produces that is ultimately used by the U.S. government for defense purposes, whether by the armed services, the Department of Defense, or any other U.S. government entity.
Depleted Uranium	Uranium in which the precentage fraction by weight of U-235 is less than 0.711 percent.
Development	The design, simulation, and testing of a prototype, including experimental software or hardware systems, to validate technological feasibility or concept of operation in order to reduce technological risk, or provide test systems prior to production approval.
Enriched Uranium	Includes enriched uranium oxide, enriched uranium hexafluoride, and other enriched uranium. Uranium enriched in U-235 and its compounds: alloys, dispersions (including cermets), ceramic products, and mixtures containing uranium enriched in U-235.
Exports	Shipments to destinations outside the United States, including shipments to Canada and Mexico.
Facility	A building or the minimum complex of buildings or parts of buildings in which an organization operates to serve a particular function, producing revenue, and incurring costs for the company. A facility may produce an item of tangible or intangible property or may perform a service. It may encompass a floor or group of floors within a building, a single building, or a group of buildings or structures. Often, a facility is a group of related locations at which organization employees work, together constituting a profit-and-loss center for the company, and it may be identified by a unique DUNS number.
Foreign Corrupt Practices Act of 1977 (FCPA) 15 U.S.C. §§ 78dd-1	The Foreign Corrupt Practices Act (FCPA), enacted in 1977, generally prohibits the payment of bribes to foreign officials to assist in obtaining or retaining business. The FCPA can apply to prohibited conduct anywhere in the world and extends to publicly traded companies and their officers, directors, employees, stockholders, and agents. Agents can include third party agents, consultants, distributors, joint-venture partners, and others.
Fuel Assemblies	A structured group of fuel rods (long, slender, metal tubes containing pellets of fissionable material, which provide fuel for nuclear reactors).
Fuel Elements	Includes fuel rods or fuel pellets, non-irradiated, and other parts thereof.
Fuel Fabrication	Fuel fabrication is the last step in the process of turning uranium into nuclear fuel rods, wherby enriched UF6 is converted to uranium dioxide powder that is pressed into pellets and inserted into fuel rods, grouped together to form fuel assemblies.

Full Time Equivalent (FTE) Employees	Employees who work for 40 hours in a normal work week. Convert part-time employees into "full time equivalents" by taking their work hours as a fraction of 40 hours.
Global Headquarters	A location that serves as the organization's hub of worldwide operations with all global branches or divisions reporting to it.
Harmonized Tariff Schedule (HTS)	A 10-digit numbering system that classifies a good based on its name, use, and/or the material used in its construction. The number provides Customs and Border Protection (CBP) with a standardized method of tracking all merchandise imported into the United States and sets out the tariff rates and statistical categories.
Import Value	Values reported should be landed, duty paid values at the U.S. port of entry, including ocean freight and insurance costs, brokerage charges, and import duties (i.e., all charges except inland freight in the United States).
Inventory	The goods or materials an organization holds for its own use or for the ultimate goal of sale, or disposition or future conversion, enrichment, fabrication, or other use. This is material to which your organization has title; this does not include holding material for third-party use or storage.
Natural Uranium	Uranium with the same isotopic ratio as found in nature. This includes uranium ore and concentrates (U3O8) and natural uranium hexafluoride (UF6).
Non-U.S. Facility	A facility that is physically located outside of the United States.
Organization	A company, firm, laboratory, or other entity that owns or controls one or more U.S. establishment) or facility capable of designing and/or manufacturing products in the nuclear power generation sector.
Pressurized Water Reactor (PWR)	A common nuclear power reactor design in which very pure water is heated to a very high temperature by fission, kept under high pressure (to prevent it from boiling), and converted to steam by a steam generator. The resulting steam is used to drive turbines, which activate generators to produce electrical power.
Product/Process Development	Conceptualization and development of a uranium or nuclear fuel-related product or system prior to the production of the product for customers (i.e., utilities, governmental agencies etc.).
Production	The process of transforming inputs (raw materials, semi-finished goods, subassemblies, ideas, information, knowledge) into goods or services.
Research & Development	Basic and applied research in the engineering sciences, as well as design and development of prototype products and processes. Efforts that an organization conducts towards innovating, introducing and/or improving products and processes.
Russian Suspension Agreement	On October 16, 1992, the Department of Commerce suspended the antidumping duty investigations involving uranium imports from Russia on the basis of agreements by the country's government to restrict the volume of direct or indirect exports to the United States in order to prevent the suppression or undercutting of price levels of United States domestic uranium. The agreement expires in 2020.
Sales	All reported and unreported sales of uranium (natural, converted, enriched and/or fabricated), including sales to end-users, producers, conversion facilities, enrichers, financial entities, intermediaries, traders, distributors, et al.
Separative Work Unit (SWU)	The standard measure of enrichment services.
Spot Contract	Contracts with a one-time uranium delivery (usually) for the entire contract, and the delivery typically occurs within one year of contract execution (signed date).

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Supplier	An entity from which your organization obtains inputs, which may be goods or services. A supplier may be another organization with which you have a contractual relationship, or it may be another facility owned by the same parent organization.
Term Contract	Long-term contracts are contracts with one or more uranium deliveries to occur after a year following the contract execution (signed date) and as such may reflect some agreements of short and medium terms as well as longer term.
U.S. Department of Energy Uranium Transfer Program	The exchange of natural, enriched, or depleted uranium "tails," or uranium enrichment services between the U.S. Department of Energy and another party.
United States	The "United States" or "U.S." includes the 50 states, Puerto Rico, the District of Columbia, Guam, the Trust Territories, and the U.S. Virgin Islands.
Uranium Compounds	Includes uranium oxide, uranium hexafluoride, and other uranium compounds.
Uranium Concentrate	The end product of the mining and milling stage, in which uranium oxide concentrate (U3O8) is produced.
Uranium Conversion	The process whereby natural uranium in the form of an oxide is converted to uranium hexafluoride.
Uranium Metal (Natural)	A lustrous silver-white metal that is radioactive, malleable, ductile, and softer than steel. It contains an isotopic ratio of 99.27% U-238, 0.72 % U-235, and 0.0055 % U-234 by weight.
Uranium Metal (Depleted)	A byproduct of enrichment (tailings) or fission, DU has less than one-third of the concentration of U-235 and U-234 by weight. DU from fission (i.e., in reprocessed used nuclear fuel) is distinct because it also contains U-236.
Uranium Mill	A plant where uranium is separated from ore taken from mines, including both conventional mills and in situ recovery (ISR) plants.
Uranium Ore	Ore which contains uranium that has been obtained from conventional or in situ mining methods.
10 CFR § 40.42	Title and section of the U.S. Code of Federal Regulations that cover the Nuclear Regulatory Commission's (NRC) regulation for the expiration and termination of licenses and decommissioning of sites and separate buildings or outdoor areas.
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			1	: Organization	Information				
	Provide the following information for your	organization							
	Organization Name								
	Street Address								
	City								
A.	State								
Α.	ZIP Code								
	Location of Global Headquarters								
	U.S. Point of Contact Name								
	U.S. Point of Contact Email								
	U.S. Point of Contact Phone								
В.	Is this organization owned, in whole or in p applicable. List entities with at least 5% ow Entity Name At the global headquarters level, identify the specific street of the second content of the se	rnership. Global Headqua Addre	arters Street	Global Heado	quarters City	Global Headquarters State/Province	Global Headquarters Country	Ownership %	
			of nuclear po	wer generation					
C.	Nuclear Power Generation	ivity			Num	ber of U.S. Facilities	Number of Non-U.S.	Facilities	
	Research & Development								
	Other		(specify)	anacif ()					
	Other	-	(specify)		<u> </u>		<u> </u>		
	Comments:								
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_					2: Merge	ers, Acquisitions, I	Divestitures, and Joint Ventures		
	rom	2014 - 2018, record the total no	umber of mergers, ac	quisitions, and divestitures rel	ated to nuclear power gen	eration in which y	our organization participated.		
	Org	anization or Partnership Entity	Type of Activity	% of Shares Held by Partner Organization	Country Headquarters	Year Initiated	Primary Work Scope	Primary Purpose of Relationship	Explain
	Ĭ	Name	Type of Activity	Organization	Country Headquarters	Year initiated	Primary Work Scope	Primary Purpose of Relationship	Explain
	1								
	2								
	3								
	4								
Α	5								
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	7								
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	12								
	13 14								
	15								
	rom	2014 - 2018, record the total nu c/private partnerships, in which	umber of joint ventur	es and other business partner	ships related to nuclear po	wer generation a	nd nuclear power generation R&D, inc	cluding	
	oubii	c/private partnerships, in which	your organization pa	rticipated.					
	Org	anization or Partnership Entity	Type of Partnership	% of Shares Held by Partner	Country Headquarters	Year Initiated	Primary Work Scope	Primary Purpose of Relationship	Explain
		Name	Type of Farthership	Organization	country ricadquarters	real lilitiated	Timary Work Scope	Trimary rurpose of Relationship	Explain
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	12								
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	14								

Organization or Partnership Entit Name	Type of Partnership	% of Shares Held by Partner Organization	Country Headquarters	Year Initiated	Primary Work Scope	Primary Purpose of Relationship	Explain
1							
2							
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2							
.3							
4							
.5							
Comments:							

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Pre	vious Page								3a: F	acility Information							Next Page
Ide	ntify the total number of facilities that	your organization ow	rns in the United S	tates involved in the	generation of nucl	ear power.				U.S. Facilities							
. : - 4	your organization's nuclear power gen					-:4			h i			2040 2022 15 th - 5 - 111.		h- 2010 dudi u-lus-	:	NAMES From 16 - 6 - 1116 - 11 - 11 - 11	EII
LISE	your organization's nuclear power gen	eration facilities loca	tea in the Onitea :	states, identifying ea	actifactify's flame,	city, state, operating s	status, reactor iniorina	nion, and any expected c	nange in operations (e	e.g. expansion, worker layor	is, silutdowii, etc.) iroiii	2019-2023. II the facility	operated in 2016, report	me 2016 production volume	: III megawattnours (MWII). EVEILII a Iacility is closed,	nii out ali information possible.
	U.S. Facility Name	City	State	Operating Status	Merchant vs. Regulated	Amount of Reactors	2018 Total Production Volume (MWh)	Amount of U3O8 needed to run facility per year (Pounds)	Reactor Unit No.	Status of Reactor	Reactor Type	Reactor Vendor	Number of Current Active Fuel Assembly Suppliers	Number of Fuel Assemblies Required to Operate Per Year	Licensed MWe	Expected Change 2019-2023	Explanation of Change, If Applicable
																Closure Significant Modernization	
1																Expansion None	
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11																	
12																	
13																	
H																	
14																	
15																	
If a clos this	ny of your U.S. facilities are scheduled se in the 2019-2023 period, explain the action.	to close or may circumstances of															



							N	on-U.S. Facilities								
Identify the total number of facilities that	at your organization ov	wns outside the Un	nited States involved i	in the generation o	f nuclear power.											
List your organization's nuclear power g	eneration facilities loc	ated outside the U	nited States, identifyi	ing each facility's n	ame, city, state, opera	ating status, reactor information, and any exp	ected change in operat	ions (e.g. expansion, worke	ion, worker layoffs, shutdown, etc.) from 2019-2023. If the facility was operating, report the 2018 production volume in megawatthours (MWh). Even if a facility is closed, fill out all information possible.							
Non-U.S. Facility Name	City	Country	Operating Status	Merchant vs. Regulated	Amount of Reactors	2018 Total Amount of U3O8 Production Volume (MWh) Amount of U3O8 needed to run facility per year (Pounds)	Reactor Unit No.	Status of Reactor	Reactor Type	Reactor Vendor	Number of Current Active Fuel Assembly Suppliers	Number of Fuel Assemblies Required to Operate	Licensed MWe	Expected Change 2019-2023	Explanation of Change, If Applicable	
1																
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2			·													
3																
4																
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11																
12	•				·											
13																
14																
15																
If any of your non-U.S. facilities are sche may close in the 2019-2023 period, exp circumstances of this action.	eduled to close or lain the															



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3b: Facility Inventory

Provide all U.S. and non-U.S. inventories held directly or indirectly by you for the 2014 to 2018 period, current as of 12/31/2018.

U.S. Facilities

For any facility in the U.S., whether that facility is owned by you or another organization, indicate which forms of uranium your organization keeps in inventory, and the amounts of each in inventory for the 2014 to 2018 period, utilizing the measurements provided in parentheses.

U.S. Facility Name	Facility Owner	Operating Status	Types of Uranium in Inventory		2014	2015	2016	2017	2018
			Uranium Ore and Concentrates (Pounds U3O8)	Yes/No					
			Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						
			Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						
			Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						
	•	•	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						
	_		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						
			Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						
		<u>'</u>	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						
			Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						
	-		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						
			Uranium Ore and Concentrates (Pounds U3O8)						1
	-		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
			Fuel Assemblies (Finished Units)						+

			Uranium Ore and Concentrates (Pounds U3O8)			
			Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)			
11			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Fuel Assemblies (Finished Units)			
			Uranium Ore and Concentrates (Pounds U3O8)			
		•	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)			
12			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Fuel Assemblies (Finished Units)			
			Uranium Ore and Concentrates (Pounds U3O8)			
	·		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)			
13			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Fuel Assemblies (Finished Units)			
			Uranium Ore and Concentrates (Pounds U3O8)			
	<u>.</u>	•	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)			
14			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Fuel Assemblies (Finished Units)			
			Uranium Ore and Concentrates (Pounds U3O8)			
	<u> </u>		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)			
15			Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)			
			Fuel Assemblies (Finished Units)			

Non-U.S. Facilities

For each non-U.S. location, whether that facility is owned by you or another organization, indicate which forms of uranium your organization keeps in inventory, and the amounts of each in inventory for the 2014 to 2018 period, utilizing the measurements provided in parentheses.

Non-U.S. Facility Location	Operating Status	Types of Uranium in Inventory		2014	2015	2016	2017	2018
		Uranium Ore and Concentrates (Pounds U3O8)	Yes/No					
		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
1		Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Fuel Assemblies (Finished Units)						
		Uranium Ore and Concentrates (Pounds U3O8)						
		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
2		Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Fuel Assemblies (Finished Units)						
		Uranium Ore and Concentrates (Pounds U3O8)						
		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
3		Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Fuel Assemblies (Finished Units)						
		Uranium Ore and Concentrates (Pounds U3O8)						
		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
4		Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Fuel Assemblies (Finished Units)						
		Uranium Ore and Concentrates (Pounds U3O8)						
		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
5		Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Fuel Assemblies (Finished Units)						
		Uranium Ore and Concentrates (Pounds U3O8)						
		Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)						
6		Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)						
		Fuel Assemblies (Finished Units)						

	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
7	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
8	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
9	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
.0	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
1	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
12	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
.3	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
4	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
	Uranium Ore and Concentrates (Pounds U3O8)				
	Uranium Compounds (Oxide, Hexafluoride, Other) (KgU)				
15	Enriched Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Depleted Uranium (Oxide, Hexafluoride, Other) (KgU)				
	Fuel Assemblies (Finished Units)				
Comments:					
	BUSINESS CONFIDENTIAL	- Per Section 705(d) of the	Defense Production Act		

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Next Page Previous Page 3c: Facility Refueling Cycle Provide information pertaining to the reloading/refueling cycle for each of your organization's facilities, current as of 12/31/2018. If your organization operates two different reactor types at the same facility, separately report refueling information for each reactor type. Fuel Cycle Costs as Percentage of Total Facility Operating Costs Fresh Fuel Batch Size (Number of Assemblies) Uranium Contained in Fresh Fuel Batch (Pounds Reactor Assemblies U308 Equivalent) Replaced During Refuel Refueling Cycle Length (Months) Refueling Outage Length (Days) Aggregate Fuel Cycle Expenses as Percentage of Total Facility Operating Costs U.S. Facility Name U3O8 Acquisition (Mining, Milling) Conversion Services/UF6 Acquistion Enrichment Services/EUP Acquistion Fuel Fabrication Services 11 12 13 14 15 Since 2014, has your organization considered or implemented changes in a facility's refueling cycle (e.g. lengthening the refueling cycle)? Yes If yes, describe. Describe your organization's typical sequence for procuring nuclear fuel. Comments: BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act

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3d: Changes in Facility Operations, 1999-2018

Identify any U.S. nuclear power generation facility closings, relocations, contractions, expansions, corporate acquisitions or consolidations, or other major changes in operations (report as many as applicable). For each change, provide the reasons for the change in operations (e.g.,loss of market share to imports, loss/gain of market share from domestic competition, increasing/declining demand, low/high profitability, firm restructuring), and megawatthours of nuclear power impacted, as well as number of full-time-equivalent (FTE) employees impacted. Denote reductions with a "-" symbol. If a single facility has gone through multiple changes, list the facility on multiple lines and identify each separately.

Facility Name	Type of Change	Date of Change	Reason for Change	Annual MWh Capacity	Annual MWh Impacted	Number of FTEs Impacted	Explanation
	Closure						
1	Standby/Idle						
3	Contraction						
4	Expansion						
5	Significant Modernization						
6	Transfer/Sale						
7	Other						
3							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							`
19							
20							
21							
22							
23							
24							
25							
6							
7							
8							
9							
30							

Answer the following questions about facility changes in Section B and C.

If one of your organization's facilities was in the decommissioning process and had discharged its operator license, how long would it take, if possible, to fully restart operations at that facility? For each facility that your organization operates, indicate the factors that might inhibit restarting operations and the degree of impact for each factor. Estimate the total costs associated with each factor, and then explain your reasoning for your choices.

	Facility Name	Estimated time to Restart (in	Estimated Cost to Restart (in \$1000s	Factors Inhibiting R	Factors Inhibiting Restart		Explain
	Tallin, Name	days)	USD)	Factor	Degree of Impact	Each Factor (in \$1000s USD)	<u> </u>
				Operations	High		
				Regulatory (non-Environmental)	Moderate		
1				Environmental	Low		
				Employment	None		
				Other (specify)			
				Operations			
				Regulatory (non-Environmental)			
2				Environmental			
				Employment			
				Other (specify)			·
				Operations			
				Regulatory (non-Environmental)			
3				Environmental			
				Employment			
				Other (specify)			`
				Operations			
				Regulatory (non-Environmental)			
4				Environmental			
				Employment			

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	Other (specify)			•
	Operations			
	Regulatory (non-Environmental)			
5	Environmental			
	Employment			
	Other (specify)			
-				
	Operations			
	Regulatory (non-Environmental)			
6	Environmental			
	Employment			
	Other (specify)			•
	Operations			
	Regulatory (non-Environmental)			
7	Environmental			
	Employment			
B.	Other (specify)			
	Operations			
	Regulatory (non-Environmental)	-		
8	Environmental		1	
	Employment			
	Other (specify)			
	Operations			
	Regulatory (non-Environmental)			
9	Environmental			
	Employment			
	Other (specify)			
	Operations			
	Regulatory (non-Environmental)			
1	Environmental			
1	Employment			
_	Other (specify)			
	Operations			
	Regulatory (non-Environmental)			
1	Environmental			
	Employment			
	Other (specify)			•
	Operations			
	Regulatory (non-Environmental)			
1	Environmental			
	Employment			
	Other (specify)			•
	Operations			
	Regulatory (non-Environmental)		-	
1	Environmental			
	Employment			
	Other (specify)			•
	Operations			
	Regulatory (non-Environmental)			·
1	Environmental			
	Employment			
	Other (specify)			•
	Operations			
	Regulatory (non-Environmental)			
1	Environmental			
1	Employment			
	Other (specify)			
	Other (specify)			

If one of your organization's facilities was in standby but had not discharged its operator license, how long would it take, if possible, to fully restart operations at that facility? Assume the facility is not in standby for scheduled maintenance for refueling purposes. For each type of facility that your organization operates, indicate the factors that might inhibit the process in the space provided, ranking them from 1 to 5, with 1 being the most challenging factor, then explain the reasoning behind your choice.

Facility Name	Estimated Time to Restart	Estimated Cost to Restart	Factors Inhibiting F	(тн		ibiting Restart Estimated Cost of Each Factor (Thousands USD)		Explain
			Factor	Degree of Impact				
			Operations					
			Cost of Standby					
			Regulatory (non-Environmental)					
			Environmental					
			Employment					
			Other (specify)					
			Operations					
			Cost of Standby					
			Regulatory (non-Environmental)					
			Environmental					
			Employment					
			Other (specify)					
			Operations					
			Cost of Standby					
			Regulatory (non-Environmental)					
			Environmental					
			Employment					
			Other (specify)					
			Operations					
			Cost of Standby					
			Regulatory (non-Environmental)					
			Environmental					
		-	Employment					
			Other (specify)					
			Operations					
			Cost of Standby					
		-	Regulatory (non-Environmental) Environmental					
		-	Employment					
			Other (specify)					
			Operations Operations					
			Cost of Standby					
		-	Regulatory (non-Environmental)					
		-	Environmental					
			Employment					
		-	Other (specify)					
			Operations		+			
			Cost of Standby		+			
			Regulatory (non-Environmental)					
			Environmental		+			
			Employment					
			Other (specify)					
			Operations		+			
			Cost of Standby					
			Regulatory (non-Environmental)					
			Environmental					
			Employment					
			Other (specify)					
			Operations		+			
			Cost of Standby					
			Regulatory (non-Environmental)					
			Environmental					
			Employment					
			Other (specify)					

_	_										
				Operations							
				Cost of Standby							
	0			Regulatory (non-Environmental)							
- 1	.0			Environmental							
				Employment							
				Other (specify)							
				Operations							
				Cost of Standby							
				Regulatory (non-Environmental)							
- 1	.1			Environmental							
				Employment							
				Other (specify)				-			
-				Operations							
				Cost of Standby							
				Regulatory (non-Environmental)							
1	2			Environmental							
				Employment							
_				Other (specify)							
				Operations							
				Cost of Standby							
- 1	.3			Regulatory (non-Environmental)							
				Environmental							
				Employment							
				Other (specify)							
				Operations							
				Cost of Standby							
	4			Regulatory (non-Environmental)							
1	7			Environmental							
				Employment							
				Other (specify)							
				Operations							
				Cost of Standby							
				Regulatory (non-Environmental)							
	.5			Environmental							
				Employment							
				Other (specify)							
-											
	Describe the costs associated with maintaining a facility in stand total costs involved in maintaining a standby facility.	by, and estimate the									
	total costs involved in maintaining a standby facility.										
	Would your organization opt to maintain a facility in standby?		Yes	If yes, explain.							
D.											
	Describe the costs and regulatory factors associated with maintain										
	Describe the costs and regulatory factors associated with mainta	ining a brownileid site.									
											
	Describe the costs and regulatory factors associated with maintain	ining a "greenfield" site.									
	, , , , , , , , , , , , , , , , , , , ,	5 g Sitter									
	Comments:										
			BUSINESS C	ONFIDENTIAL - Per Section 705(d) of the	Defense Production Act			-			
	BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act										



Previous Page Next Page 4: Production Capacity Provide the facility-level information regarding production capacity and CO2 offset below. Fuel Cycle Cost as % of MWh Cost Average Annual Production Capacity 2014-2018 (MWh) Average Capacity Utilization Capacity 2014-2018 (%) Explanation for Difference Between Production Capacity and Annual Production, If Applicable (U308) UF6 Conversion Average Annual Production 2014-2018 (MWh) Facility Name Facility Location Annual Estimated Facility CO2 Offset (Tons) Reactor Type Fuel Fabrication Enrichment PWR and BWR 10 1 Are your facilities capable of load following (e.g. ramping up and down electric output depending on demand)? Explain. Yes If yes, explain. What changes to supply factors would contribute the most to change in MWh cost? Explain. Comments: BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act



Previo	Next Page 5: Permits												
Р	ovide the	permit information for your f	acilities below for both the state	and federal level. Include permi	ts for environmental and sal	fety aspects.							
		Facility Name	Permit Type	Issuing Agency	Cost of Permit	Average Length of Processing Time	Original Permit Date	Original Permit Expiration Date	Number of Renewal Applications	Average Renewal Application Length	Expiration Date of Current Permit	Plans to Renew Current Permit	Explanation
	1 2												
	3												
	4												
	6												
	7 8												
	9												
	10 11												
	12												
	13 14												
	15												
В.	Has your organization had difficulty obtaining permits for operation? If yes, explain below. 1 Have your permitting costs increased in the last ten years? If yes, explain below.												
	Does	our organization have any su	ggestions that would help impro	ve the permitting process?									
	4												
		Comments:											
						BUS	SINESS CONFIDENTIAL - Per Se	ction 705(d) of the Defe	nse Production Act				

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<u>Pre</u>	vious	<u>s Page</u>					<u>Next Page</u>				
			6: Fir	nancials							
Pro۱	vide t	he following financial line items for your organiz	zation's nuclear powe	er generation-relate	d U.S. operations be	elow for the 2014 to	2018 period.				
1		In come Chahamanh (Calash Line Hama)	Record \$ in Thousands, e.g. \$12,000.00 = survey input of \$12								
		Income Statement (Select Line Items)	2014	2015	2017	2018					
	A.	Net Sales (and other revenue)									
	B.	Cost of Goods Sold									
	C.	Total Operating Income (Loss)									
	D.	Earnings Before Interest and Taxes									
	E.	Net Income									
		Balance Sheet (Select Line Items)	F	Record \$ in Thousan	ds, e.g. \$12,000.00	= survey input of \$1	.2				
		balance sheet (select line items)	2014	2015	2016	2017	2018				
	A.	Cash									
	B.	Inventories									
2	C. Total Current Assets										
	D.	Total Assets									
	E.	Total Current Liabilities									
	F.	Total Liabilities									
	G.	Retained Earnings									
	H.	Total Owner's Equity									
Not	e: To	tal Assets must equal Total Liabilities plus Total	Owner's Equity								
			2014	2015	2016	2017	2018				
3		Total Revenue per MWh									
3		<u>`</u>									
		Total Operating Costs per MWh									
			2014	2015	2016	2017	2018				
4		Federal Taxes Paid State Taxes Paid									
		Local Taxes Paid									
				ļ	i	i					
		Comments:									
		BUSINESS CONFI	DENTIAL - Per Section	n 705(d) of the Defe	ense Production Act	:					



Previous Page					Next Page
	7: Capital Expe	enditures			
Record your organization's nuclear power generation-related capital expend	ditures corresponding to the select	categories below for the 2014	to 2018 period.		
Capital Expenditure Activity Type		Record \$ in Thousar	nds, e.g. \$12,000.00 = su	urvey input of \$12	
	2014	2015	2016	2017	2018
A Total Capital Expenditures					
1 Machinery, Equipment, and Vehicles [as a % of A]					
2 IT, Computers, Software [as a % of A]					
3 Land, Buildings, and Leasehold Improvements [as a % of A]					
4 Fuel [as a % of A]					
5 Other (Specify) [as a % of A]					
6 Other (Specify) [as a % of A]					
Lines 1 through 5 must total 100%					
For the below categories, indicate whether your organization experient 2018). Explain what factors have been affecting changes in your organi domestic and foreign competition, and declining uranium prices.	zation's capital expenditures from 2	2009 to 2018, including, but no	t limited to, U.S. Govern	iment or state governmer Explain	nt policies or regulations,
B 1 Machinery, Equipment, and Vehicles	165/110	ii res, type of change		Схріані	
2 IT, Computers, Software					
3 Land, Buildings, and Leasehold Improvements					
4 Fuel					
5 Other (Specify)					
6 Other (Specify)					
o other (Specify)					
Comments:					
BUSIN	ESS CONFIDENTIAL - Per Section 70	05(d) of the Defense Production	n Act		



Pre	evious Page	0.8	100			<u>Next Page</u>				
		8: Resea	rch & Development							
A.	Has your organization conducted nuclear power generation-related research and development (R&D) in the past ten years?		If no, proceed to Section 9.							
Rec	cord your organization's total R&D dollar expenditures and type of R&D expendi	iture for the 2014 to 2018 per	riod.							
		Record \$ in Thousands, e.g. \$12,000.00 = survey input of \$12								
		2014	2015	2016	2017	2018				
	1 Total R&D Expenditures									
В.	2 Basic Research [as a % of B1]									
J.	3 Applied Research [as a % of B1]									
	4 Product/Process Development [as a % of B1]									
	5 Total of 2 - 4 [must equal 100%]	0%	0%	0%	0%	0%				
Idei	entify your organization's R&D funding sources, by percent total of R&D dollars s	ourced.								
			Record \$ in Th	nousands, e.g. \$12,000.00 = survey i	nput of \$12					
		2014	2015	2016	2017	2018				
	1 Total R&D Funding Sources									
	2 Internal/Self-Funded/IRAD [as a % of C1]									
c.	Total Federal Government [as a % of C1]									
	4 Total State and Local Government [as a % of C1]									
	5 Universities - Public and Private [as a % of C1]									
	6 U.S. Industry, Venture Capital, Non-Profit [as a % of C1]									
	7 Non-U.S. Investors (as a % of C1]									
	8 Other (specify)	-0/	-0/	201	-0/	-0/				
	9 Total of 2 - 8 [must equal 100%]	0%	0%	0%	0%	0%				
D.	organization experience 1 constraints (for example,	If yes, explain and identify additional R&D activities that would occur absent those constraints.								
	Is your organization currently working with any foreign partners with respect	to R&D activities?		If yes, answer the following questions.						
E	Partner Company Company Headquarters	Partnership Start Date	Goal of Partnership	Reason for choosing Partner	Percent of R&D	Expenditures				
	1									
	2									
	3									
	4 5									
	3									
	Comments:									
	BUS	INESS CONFIDENTIAL - Per Se	ection 705(d) of the Defense I	Production Act						

outs Pane								7. Deliver	ies, 2014-2018											
Identify all purchases of uranium products or contracts for fuel cycle services r	made by your organization with delivery dates between	n 2014-2018. Additionally, identify all	contract fullfillments for fuel cycl	e services anticipated for the 2014-2018 p	eriod. For the Deliveries	s as Percentages of Fuel Capits	al Budget columns- if a given contra	ct did not cover one of the years in the 21	014-2018 period, enter NA in the appli am Ore (Pounds)	cable column(s). (e.g. if a cont	ract only had deliveries for 2	014 through 2016, but none	in 2017 or 2018, enter NA in	the 2017 and 2018 columns.	. "Open Origin" contracts are	defined as contracts which p	ermit uranium supplied under	or the contract to be sourced f	rom any country.	
f your organization did not receive any deliveries of this product in the 2014- applicable" in the space provided.	4-2018 period, please choose "Not 5	lot Applicable			1															
Seller Name Country of Seller Delivery Date Headquarters	Date of Contract Type of Contract Signature	Date of Contract Renexotiation (if Assistable)	Reason for Contract Renegotiatic	n Pricing Mechanism	Contract Completed	Years Remaining on Contract (If Applicable)	Open Origin	Country of U308 Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)						ges of Fuel Capital Budget			
												Capital Budget (Pounds U308 Equivalent)	Capital Budget (Thousand USD)	Capital Budget (Pounds U3O8 Equivalent)	Capital Budget (Thousand USD)	Capital Budget (Pounds U308 Equivalent)	Capital Budget (Thousands USD)	Capital Budget (Pounds U308 Equivalent)	Capital Budget (Thousands USD)	Estimated Percentage of 2018 Fuel Capital Budget 2018 Fuel Capital Budget (Thousar Pounds U308 Equivalent)
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Short-Term Long-Term		Price Shutdown Other	Fixed Market Fixed Plus Market Other (Explain in Comments)	Yes No		Yes No													
5 6 7 8																				
9 10 11 12																				
13 14 15 16																				
7 8 8 9																				
Comments																				
your organization did not receive any deliveries of this product in the 2014- plicable [®] in the space provided.	4-2018 period, please choose "Not	lot Applicable						Uranium Cons	centrate (Pounds U3O8)											
																Deliveries as Percentag	ges of Fuel Capital Budget			
Seller Name Country of Seller Delivery Date Headquarters	Date of Contract Signature Type of Contract	Date of Contract Renegotiation (if Applicable)	Reason for Contract Renegotiatic (If Applicable)	n Pricing Mechanism	Contract Completed	Years Remaining on Contract (If Applicable)	Open Origin	Country of U306 Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)	Percentage of 2014 Fuel Capital Budget (Pounds	Percentage of 2014 Fuel Capital Budget (Thousand	Percentage of 2015 Fuel Capital Budget (Pounds	Percentage of 2015 Fuel Capital Budget (Thousand	Percentage of 2016 Fuel Capital Budget (Pounds	Percentage of 2016 Fuel Capital Budget (Thousands	Percentage of 2017 Fuel Capital Budget (Pounds	Percentage of 2017 Fuel Capital Budget (Thousands	Estimated Percentage of Estimated Pt 2018 Fuel Capital Budget 2018 Fuel Ca (Thousar USOR Equivalent)
1	Short-Term		Price	Fland	Yes		Yes					U308 Equivalent)	ÜSD)	U308 Equivalent)	ÜSD)	U308 Equivalent)	ÜSD)	U308 Equivalent)	ÜSD)	(Pounds U308 Equivalent) (Thousar
2 3 4 4 5	Long-Term		Shutdown Other	Market Fixed Plus Market Other (Explain in Comments)	No		No													
3 2																				
9																				
Comments								Uranium Metal	(Pounds U308 Equivalent)											
rour organization did not receive any deliveries of this product in the 2034- plicable" in the space provided.	4-2018 period, please choose "Not	iot Applicable														Deliveries as Percentag	ges of Fuel Capital Budget			
Seller Name Country of Seller Headquarters Delivery Date	Date of Contract Signature Type of Contract	Date of Contract Renegotiation (If Applicable)	Reason for Contract Renegotiatic (If Applicable)	Pricing Mechanism	Contract Completed	Years Remaining on Contract (If Applicable)	Open Origin	Country of U308 Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)	Percentage of 2014 Fuel Capital Budget (Pounds	Percentage of 2014 Fuel Capital Budget (Thousand	Percentage of 2015 Fuel Capital Budget (Pounds	Percentage of 2015 Fuel Capital Budget (Thousand	Percentage of 2016 Fuel Capital Budget (Pounds	Percentage of 2016 Fuel Capital Budget (Thousands	Percentage of 2017 Fuel Capital Budget (Pounds	Percentage of 2017 Fuel Capital Budget (Thousands	Estimated Percentage of Estimated Per 2018 Fuel Capital Budget (2018 Fuel Capital Budget (Thousands UT
	Short-Term Long-Term		Price Shutdown Other	Fixed Market Fixed Plus Market	Yes No		Yes No					OJO LIJIVARITY	U.U.J	O2CO EQUIVALITY	U.D.	OSOS Equisarity	0.0)	OJO EQUIDADES	52)	Positis Osod Equivalenty (Industria O
			Other	Fixed Plus Market Other (Explain in Comments)																
Comments																				
our organization did not receive any deliveries of this product in the 2014- licable" in the space provided.	4-2018 period, please choose "Not	iot Applicable						Natural Uranium - Not Cor	mpounds (Pounds U308 Equivalent)											
																Deliveries as Percentag	ges of Fuel Capital Budget			
Seller Name Country of Seller Headquarters Delivery Date	Date of Contract Signature Type of Contract	Date of Centract Renegotiation (if Applicable)	Reason for Contract Renegotiatic ()f Applicable)	n Pricing Mechanism	Contract Completed	Years Remaining on Contract (If Applicable)	Open Origin	Country of U3OS Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)	Percentage of 2014 Fuel Capital Budget (Pounds U308 Equivalent)	Percentage of 2014 Fuel Capital Budget (Thousand USD)	Percentage of 2015 Fuel Capital Budget (Pounds U308 Equivalent)	Percentage of 2015 Fuel Capital Budget (Thousand USD)	Percentage of 2016 Fuel Capital Budget (Pounds U308 Equivalent)	Percentage of 2016 Fuel Capital Budget (Thousands USD)	Percentage of 2017 Fuel Capital Budget (Pounds U308 Equivalent)	Percentage of 2017 Fuel Capital Budget (Thousands USD)	Estimated Percentage of 2018 Fuel Capital Budget 2018 Fuel Capital Budget (Thousar Utousar
	Short-Term Long-Term		Price Shutdown Other	Fixed Market Fixed Plus Market	Yes No		Yes No													
				Other (Explain in Comments)																
Comments																				

If way repositation did not not	when any defineries of this	product in the 2014.2	1018 period please choo	nee "Neel							Uranium Compounds	Oxide (Pounds U3O8 Equivalent)											
If your organization did not re Applicable" in the space provis	led.			Not Aç	oplicable													Deliveries as Percenta	ges of Fuel Capital Budget				
Seller Name	Country of Seller Headquarters	Delivery Date	Date of Contract Signature	Type of Contract	Date of Contract Renegotiation (If Applicable	Reason for Contract Reregotiatic () ()f Applicable)	on Pricing Mechanism	Contract Completed?	Years Remaining on Contract (If Applicable)	Open Origin	Country of U3O8 Origin	Price Per Unit (USD)	Quantity Delivered Value of Quant (thousand	y Delivered USD) Percentage of 21	4 Fuel Percentage of 2014 Fo xunds Capital Budget (Thousa nt) USD)	el Percentage of 2015 Fuel	Percentage of 2015 Fuel			Percentage of 2017 Fo	uel Percentage of 2017 Fue	Estimated Percentage of	Estimated Percentage of
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Seller Name	Country of Seller Headquarters	Delivery Date	Date of Contract Signature	Type of Contract	Date of Contract Renegotiation (If Applicable	Reason for Contract Reregotiation (If Applicable)	on Pricing Mechanism	Contract Completed?	Years Remaining on Contract (If Applicable)	Open Origin	Country of U3D8 Origin	Price Per Unit (USD)	Quantity Delivered Value of Quant (thousans	y Delivered USD) Percentage of 21 Capital Budget LLDDR Frence	4 Fuel Percentage of 2014 Fo ounds Capital Budget (Thousant) USD)	el Percentage of 2015 Fuel ads Capital Budget (Pounds 11708 Emission)	Percentage of 2015 Fuel Capital Budget (Thousands	Percentage of 2016 Fuel Capital Budget (Pounds 1008 Ferricalent)	Percentage of 2016 Fuel Capital Budget (Thousand	Percentage of 2017 For ds Capital Budget (Pour	uel Percentage of 2017 Fuel ds Capital Budget (Thousand	Estimated Percentage of a 2018 Fuel Capital Budget	Estimated Percentage of 2018 Fuel Capital Budget (Thomasurk 1970)
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	Country of Seller Headquarters	Delivery Date		Type of Contract	systematics Ballin of Contract Bornegorisation (O Applicable	Price	Printy Mechanism Printy Mechanism Printy Printy Mechanism Printy Printy Mechanism Printy Printy	Context Conspicted I	Years Remaining on Contract (If Applicable)	Open Origin 70 70 70 70	United Companies Country of USGR Origin	Other (Promoth 1)208 Equivalent() Priva Per Usel (),005()	Quantity Delivered Vidas of Quantity (Procume	y Collored Percentage of 2000 Copied Rules of Option UNCR Equina	A Final Presentings of 20164 Townson	el Percentage of 2015 Fuel Copie Budget (Paroda Copie Budget (Paroda Cuzol Septembri)	Preventings of 2035 fuel Ceptial Budget (Thousands (605)			Percentage of 2027 for Control of	and Percentage of 2021 Function of 2021 Function of 2021 Function (Fig. 1)	Estimated Processings of Salar	Estimated Proceedings of 2008 Fast Capital Budget (Phonounish USD)
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											Depleted Uranium-Flo	surides (Pounds U3D8 Equivalent)												
If your organization did not recei Applicable" in the space provider	ive any deliveries of thi d.	is product in the 2014-2	2018 period, please choo	ne "Not Not/	Applicable														Deliveries as Percenta	ges of Fuel Capital Budget				
Seller Name	Country of Seller Headquarters	Delivery Date	Date of Contract Signature	Type of Contract	Date of Contract Renegotiation (If Applicable)	Reason for Contract Reregotiatic ()f Applicable)	n Pricing Mechanism	Contract Completed?	Years Remaining on Contract (If Applicable)	Open Origin	Country of U306 Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)	Percentage of 2014 Fuel	Percentage of 2014 Fuel	Percentage of 2015 Fuel	Percentage of 2015 Fuel			Percentage of 2017 Fuel	Percentage of 2017 Fuel	Estimated Percentage of	Estimated Percentage of
1				Short-Term		Price	Fixed	Yes		Yes					Capital Budget (Pounds U3D8 Equivalent)	Capital Budget (Thousands USD)	Capital Budget (Pounds U308 Equivalent)	Capital Budget (Thousands USD)	Capital Budget (Pounds U308 Equivalent)	Capital Budget (Thousand USD)	is Capital Budget (Pounds U308 Equivalent)	Capital Budget (Thousands USD)	2018 Fuel Capital Budget (Pounds USOS Equivalent)	Estimated Percentage of 2018 Fuel Capital Budget (Thousands USD)
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	nesoquaters	.,	Signature		venegotiation (If Applicable)	() r Applicable)			Contract (ir Applicable)					(thousands USD)	Percentage of 2014 Fuel Capital Budget (Pounds U308 Equivalent)	Percentage of 2014 Fuel Capital Budget (Thousands USD)	Percentage of 2015 Fuel Capital Budget (Pounds U308 Equivalent)	Percentage of 2015 Fuel Capital Budget (Thousands USD)	Percentage of 2016 Fuel Capital Budget (Pounds U308 Equivalent)	Percentage of 2016 Fuel Capital Budget (Thousand USD)	Percentage of 2017 Fuel Capital Budget (Pounds U308 Equivalent)	Percentage of 2017 Fuel Capital Budget (Thousands USD)	Estimated Percentage of 2018 Fuel Capital Budget (Pounds U308 Equivalent)	Estimated Percentage of 2018 Fuel Capital Budget (Thousands USD)
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Seller Name	Country of Seller Headquarters	Delivery Date	Date of Contract Signature	Type of Contract	Date of Contract Renegotiation (If Applicable)	Reason for Contract Reregotiatic ()f Applicable)	n Pricing Mechanism	Contract Completed?	Years Remaining on Contract (If Applicable)	Open Origin	Country of U308 Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)	Percentage of 2014 Fuel Capital Budget (Pounds LITOS Emissions)	Percentage of 2014 Fuel Capital Budget (Thousands	Percentage of 2015 Fuel Capital Budget (Pounds 11308 Environment)	Percentage of 2015 Fuel Capital Budget (Thousands (RN)	Percentage of 2016 Fuel Capital Budget (Pounds USOR Environment)	Percentage of 2016 Fuel Capital Budget (Thousand	Percentage of 2017 Fuel (Capital Budget (Pounds 11008 Ferninalent)	Percentage of 2017 Fuel Capital Budget (Thousands	Estimated Percentage of 2018 Fuel Capital Budget (Pounds USDS Emission)	Estimated Percentage of 2018 Fuel Capital Budget (Thousands USD)
1				Short-Term Long-Term		Price	Fixed	Yes		Yes								,						
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Seller Name	Country of Seller Headquarters	Delivery Date	Date of Contract Signature	Type of Contract	Date of Contract Renegotiation (if Applicable)	Reason for Contract Reregotiatic ()f Applicable)	n Pricing Mechanism	Contract Completed?	Years Remaining on Contract (If Applicable)	Open Origin	Country of U308 Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)	Percentage of 2014 Fuel Capital Budget (Pounds	Percentage of 2014 Fuel Capital Budget (Thousands	Percentage of 2015 Fuel Capital Budget (Pounds	Percentage of 2015 Fuel Capital Budget (Thousands			Percentage of 2017 Fuel is Capital Budget (Pounds U308 Equivalent)	Percentage of 2017 Fuel Capital Budget (Thousands	Estimated Percentage of 2018 Fuel Capital Budget	Estimated Percentage of 2018 Fuel Capital Burket
1 2				Short-Term Logo-Term		Price Shutrleam	Fixed Market	Yes No		Yes No					U308 Equivalent)	USD)	U308 Equivalent)	USD)	U3O8 Equivalent)	USD)	U308 Equivalent)	USD)	(Pounds U308 Equivalent)	(Thousands USD)
3 4 5						Other	Fixed Plus Market Other (Explain in Comments)																	
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If your organization did not receive any deliveries of this product in the 2014-2018 period, please c Applicable" in the space provided.	hoose "Not Not Applicable		Enriched Uranium Hexaflouride (Pounds U308 Equivalent)								
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1	98	(Laptain in Comments)									
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Comments			Enriched Uzanium - Other (Pounds U308 Equivalent)								
If your organization did not receive any deliveries of this product in the 2014-2018 period, please of Applicable" in the space provided.	Not Applicable						Deliveries as Percentages of Fu	ael Capital Budget			
Seller Name Country of Seller Delivery Date Date of Contract Signature Signature	t Type of Contract Date of Contract Reason for Contract Renegotiation (If Applicable) (If Applicable)	Pricing Mechanism Contract Completed? Years Remaining on Contract (If Applicable)	Open Origin Country of USOS Origin Price Per Unit (USD)	Quantity Delivered Value of Quantity Delivered (thousands USD) Percentag Capital Its Intel® (1997)	pe of 2014 Fuel Percentage of 2014 Fuel odget (Pounds Capital Sudget (Thousands Fresholder)	Percentage of 2015 Fuel Capital Budget (Pounds USOB Equivalent) Percentage of 2015 Fuel Capital Budget (Thousands USD)	Percentage of 2016 Fuel Perc Capital Budget (Pounds Capits LIDE Engineer)	centage of 2016 Fuel Per lal Budget (Thousands Cap	centage of 2017 Fuel Percentage of 201 oital Budget (Pounds Capital Budget (The UPON Fresident)	Fuel Estimated Percentage of mands 2018 Fuel Capital Budget (Provide 1708 Free instance)	f Estimated Percentage of tt 2018 Fuel Capital Budget (Programme USD)
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0 7 30 11 12											
1											
Comments											
			Conversion Services								
If your organization did not receive any fulfillments from contracts for convention services in the X please choose "Not Applicable" in the space provided.	214-2038 pariniel. Nost Applicable		Conversion Services				Deliveries as Percentages of Fu	ael Capital Budget			
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BUSINESS CONFIDENTIAL - Per Section 705(d) of the Defense Production Act

sentify all purchases of uranium pr	products or contracts fo	or fuel cycle services ma	de by your organization	with delivery dates between 2019 and 2023. Additionally	identify all contract fullfillments for fuel	cycle services anticipated for the 2019-2023 period. Fo	r the Deliveries as Estimated Percentag	es of Fuel Capital Budget columns- if :	AOMETIME CT	liveries, 2019-2003 years in the 2019-2023 period, enete	r NA in the applicable column(s).	(e.g. if a contract only had	leliveries for 2019 through	2021, but none in 2022 and	023, eneter NA in the 2022 a	nd 2023 columns.) "Open O	gin" contracts are defined as	contracts which permit ura	nium supplied under the cont	tract to be sourced from any	country.	
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																			Deliveries as Estimated Per	centages of Fuel Capital Budg	t			
Seller Name	Country of Selle Headquarters	Delivery Date	Date of Contract Signature	Type of Contract	Date of Contract Renegotiation (If Applicable)	Reason for Contract Reregotiatio ()f Applicable)	on Pricing Mechanism	Contract Completed?	Years Remaining on Contract (If Applicable)	Open Origin	Country of U3D6 Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)	Estimated Percentage of 2019 Fuel Capital Budget	Estimated Percentage of 2019 Fuel Capital Budget	Estimated Percentage of 2020 Fuel Capital Budget	Estimated Percentage of 2020 Fuel Capital Budget	Estimated Percentage of 2021 Fuel Capital Budge	Estimated Percentage of 2021 Fuel Capital Budget	Estimated Percentage of Estimated Percentage of 2022 Fuel Capital Budget 20	atimated Percentage of 222 Fuel Capital Budget	Estimated Percentage of 2023 Fuel Capital Budget	Estimated Percentage of 2023 Fuel Capital Budget
							1			V					(Pounds U3O8 Equivalent	(Thousands USD)	(Pounds U308 Equivalent)	(Thousands USD)	(Pounds U3O8 Equivalent	(Thousands USD)	(Pounds U308 Equivalent)	(Thousands USD)	Pounds U308 Equivalent)	(Thousands USD)
2				Short-Term Lorg-Term		Shutdown Other	Fixed Market Fixed Plus Market Other (Explain in Comments)	No No		No .														
5 6		+					Other (Explain in Comments)																	
7 8 2																								
10		1	1																					
13 14		1 -	_																			=		
15 16 17										_														
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2																								
40	Commi	ints	-		1		1				1	1				1	1		1					
	Curitis																							

											Fireshed Fuel Assemblies (PWR, BWR, or Other) (Finished Units)											
If your organization does not an Applicable" in the space provide	icipate any deliveries of d.	this product in the 20	9-2023 period, please	choose "Not Not A	pplicable																		
																		Deliveries as Estimated Perc	entages of Fuel Capital Budg	ıt			
Seller Name	Country of Seller Headquarters	Delivery Date	Date of Contract Signature	Type of Contract	Date of Contract Renegotiation (If Applicable	Reason for Contract Renegotiation ()f Applicable)	Pricing Mechanism	Contract Completed?	Years Remaining on Contract (If Applicable)	Open Origin	Country of U308 Origin	Price Per Unit (USD)	Quantity Delivered	Value of Quantity Delivered (thousands USD)	2019 Fuel Capital Budget	Estimated Percentage of 2020 Fuel Capital Budget (Pounds USO8 Equivalent)	2020 Fuel Capital Budget	Estimated Percentage of 2021 Fuel Capital Budget (Pounds U308 Equivalent	2021 Fuel Capital Budget	Estimated Percentage of 2022 Fuel Capital Budget (Pounds USOS Equivalent)	2022 Fuel Capital Budget	Estimated Percentage of 2023 Fuel Capital Budget (Pounds USOS Equivalent)	2023 Fuel Capital Budget
1				Short-Term		Price	Fixed	Yes.		'es													
2				Long-Term		Shutdown	Market	No		4o													
3						Other	Fixed Plus Market																
4							Other (Explain in Comments)																
5																							
6																							
7																							
8																							+
7																							
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12	_																				_		
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14	t				1	1		t			1							1	t	t	t	t	
15																		1			1		
16																			1			1	1
17																							1
18																							
19																							
20																							
	Comments																						

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				11: Projected Shipments to I	Enrichment Services Provide	ers and Unfilled Uranium Red	quirements, 2019-2028			
Answer th	he following questions ab	out projected shipments to	enrichment services provide	rs and unfilled uranium requi	irements.					
				Projected Sh	nipments to Enrichment Serv	rices Providers (Pounds U308	Equivalent)			
А	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
				l l	Jnfilled Uranium Requireme	 nts (Pounds U308 Equivalent)			
В	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Has prev	s your organization chang viously filled requiremen	ged its timeframe for filling t ts five years in advance but	uranium requirements? (e.g. now only fills three years in :	, if your organization advance) Explain.	Yes					
		Comments:								
				BUSINESS CO	NFIDENTIAL - Per Section 7	05(d) of the Defense Product	tion Act			



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		12: Logistics	
Ansv thro	ver the following questions about transportation of yough which a uranium product leaves a foreign country	our imported uranium products. after your organization has acc	For this question, initial port of export is defined as the first port puired title to the product.
		Uranium Products	
Е	Top Ten Initial Ports of Export (Ranked by Volume of Pounds U308 equivalent)	Carriers Serving Port	Percentage of Total Imports of Uranium Products
1			
2			
3			
4			
6			
7			
8			
9 10			
If an ports	y of the ports listed above were to be closed, what s would your organization use to export uranium?		
enco Prac	cribe any difficulties your organization has buntered in complying with the Foreign Corrupt tices Act as pertains to the transportation and ort of uranium products.		
	Comments:	NTIAL - Per Section 705(d) of t	ne Defense Production Act

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							13: Employment						-
Record	the total number of full time equiva	elent (FTE) employees and cont	ractors for 2009, and aga	ain for the 2014 to 2018 perio	od.								
		2009	2014	2015	2016	2017	20	18					
А	FTE Employees												
	FTE Contractors												
		1 177	1 0 1 1										
Answei	the following questions about emp	loyment difficulties, workforce	age, educational require	ements, vacancies, and chang	ges in employment.	FTEs Impacted	1/2014/2019)						
	Occupation			Difficulty	Explanation for Difficulty, if Applicable	If FTEs were impacted due to changes in facility operations, indicate which types of employees were impacted	Type of Employment Impact	Current Average Age of Worker (2019)	Educational Requirements (Formal and On-The- Job)	On-The-Job Training Requirements (OJT)	Current Number of Vacancies (2019)	Average Weeks Vacant	Explanation
Ei	Engineering (Civil, Electrical, Mechanical, Chemical, Other)			Hiring					No Formal Educational Credential	No OJT Required			
Eı	Engineering (Nuclear)			Retaining					High School Diploma or Equivalent	Less Than A Month Of OJT Required			
N	Nuclear-Related Administrative Professions (Nuclear Planning, Nuclear Oversight)			Both					Associate's Degree	Between 1 Month And 6 Months Of OJT Required			
B N	Non-Nuclear Administrative Professions (Accountants, Financial, Lawyers)			None					Bachelor's Degree	Between 6 Months To 1 Year Of OJT Required			
N O	Nuclear Technicians & Radiation Workers (Radiation Protection Specialists, Reactor Operators, Control Room Personnel)								Master's Degree	Between 1 And 2 Years Of OJT Required			
N	Non-Nuclear Technicans (Heavy Equipment Operators, Mechanics, Electricians)								Doctoral or Professional Degree	Over 2 Years Of OJT Required			
	Security Personnel (Guards, Emergency Management)												
SI	Skilled Trades (Carpenters, Masons, Pipefitters, Sheet metal workers, Welders)												
o	ther	(specify h	ere)										
D	Does the industry experience any amount of workforce cross-over between commercial and government nuclear power generation activities? Explain.												
С	Yes												
A	e the skills associated with the work	kforce in your organization tran	nsferable to other industr	ries? Explain.									
D	Yes												
D	Does the geographic location of your organization's facilities play any role in the challenges in hiring, retaining, and rehiring employees? Explain.												
E	Yes												
If	If one of your facilities were idled, how long do you reasonably anticipate being able to rehire workers laid off due to the idling?												
F													
If	If your organization utilizes or provides consulting services that assist in optimizing core business processes relating to your organization's role in the nuclear fuel cycle, describe the types of firms you work with, and the substance of the consulting work.												
G													
	Comments:												
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14a: Market Trends									
	From your organization's perspective, explain political support and public perception within United States and outside of the United States of nuclear power has changed from 2009 to 2018. Explain any trends and describe the principal factors that have affected these changes in perception.								
	Market			Overall Change Explanation and Factors					
Α	Within the United States								
	Outside the United States								
	From 2009 to 2018, indicate whether uranium import competition has affected your U.S. operations, sales, employment, planned expansions, investments, etc. with respect to the production nuclear power. Explain your answers.								
	Item Yes/No		Explain						
	1	Manufacturing Operations	Yes						
	2 Sales Yes								
	3 Employment Yes								
	4 Planned Expansions Yes		Yes						
	5	Other (specify)	Yes						
	grov inve	wth, investment, abilit	y to raise ca imports of	apital, existing develop any type of uranium or	negative effects on its return on investment or its ment and production efforts, or the scale of capital nuclear fuel assemblies into the United States?	Yes			
	1	Return on Investment	Yes						
В.	2	Investments	Yes						
	3 Ability to Raise Capital Yes								
	4	Existing Development/ Production Efforts	Yes						
	5	Scale of Capital Investments	Yes						
	6	Other (specify)	Yes						

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	urar	nium or nuclear fuel as	semblies in	y negative effects on its business due to future imports of any type of ito the United States, particularly from countries with state-owned n, Uzbekistan, and China? Indicate Yes/No to the right and explain below.	Yes						
	1	Russia	Yes								
	2	Kazakhstan	Yes								
	3	Uzbekistan	Yes								
	4	China	Yes								
	5	Other (Specify)	Yes								
	Describe the top 5 most significant challenges to the competitive position of your organization's U.S. nuclear operations in the U.S. energy market.										
	1										
	2										
	3										
	5										
С	Describe the top 5 most significant challenges to the competitive position of your organization's non-U.S. nuclear operations in the non-U.S. energy market.										
	1										
	2										
	3										
	5										
Are there proposed regulatory or legislative initiatives at the federal or state level that would improve the financial viability of your organization's nuclear power generation facilities? Explain below. D											
	Comments:										
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Ple	ase	answer the following questions, then provide explanations for your answers.	14b: Competiti	ive Hardships					
		Prices and Practices	-Yes/No-	Explain					
	1	Has your organization engaged in any cost-cutting measures in order to compete in the current energy market? Explain.	Yes	Ехрівії					
Α	2	Has your organization made significant operational or strategic changes in order to better compete in the energy market? Explain.	Yes						
	3	Does your organization incorporate national security considerations in its assessment of reliability and risk as pertains to selection of uranium suppliers?	Yes						
		Operational Practices	-Yes/No-	Explain					
	1	Do your organization's nuclear power facilities provide baseload generation capacity?	Yes						
В	2	Have any of your facilities had to reduce electrical output due to market or other conditions? If yes, what factors contributed to this?	Yes						
	3	Is your organization considering a change in any of your facilities' operating flexibility to respond to market conditions? Describe.	Yes						
	4	In the event of a disruption in fuel delivery to any of your facilities, would your organization need to decrease output at that facility? If yes, how long could that facility operate at full capacity without refueling?	Yes						
		Regulatory Factors and Competition	-Yes/No-	Explain					
	1	Has your organization experienced difficulties selling energy due to competition from solar and wind producers, particularly those who sell energy at zero or negative cost?	Yes						
	2	Have state Renewable Portfolio Standards had an impact on your facilities' viability?	Yes						
	3	Have federal or state regulatory frameworks affected your organization's ability to economically operate your power generation facilities?	Yes						
С	4	Does your organization perceive that current energy pricing does not reflect the value of nuclear energy?	Yes						
ŭ	5	Has low cost natural gas affected your organization's competitiveness? Explain.	Yes						
	6	Does your organization receive any state or federal subsidies for facilities involved in the generation of nuclear power? Explain.	Yes						
	7	Has the U.S. Department of Energy's program of selling off natural uranium and LEU stocks affected your organization? Explain.	Yes						
	8	Excluding license extensions, has your organization performed mandated regulatory upgrades since 1999? If so, does your organization believe that these upgrades were warranted?	Yes						
	9	Does your organization believe that regulatory costs are more burdensome than fuel costs?	Yes						

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ĺ		International Operations and Factors	-Yes/No-	Explain						
	1	Excluding direct government subsidies, do you believe that foreign uranium producers operate at lower costs than U.S. producers? Explain.	Yes							
		Does your organization consider environmental, health, safety, and labor standards in foreign countries when considering business with foreign suppliers?	Yes							
		Does your organization purchase uranium products from Russia, China, Kazakhstan, and Uzbekistan? If so, describe what factors your organization considers in its risk analysis reports for these countries.	Yes							
	4	Will China's increasing presence in the nuclear fuel sector affect your organization? Explain.	Yes							
	5	Has the 2011 Fukushima disaster impacted your organization's nuclear power operations? Explain.	Yes							
D	6	Have foreign suppliers offered to offset any potential costs imposed by a potential remedy under Section 232? If so, explain.	Yes							
	7	Do nuclear power generators face challenges in complying with the Foreign Corrupt Practices Act (FCPA) when purchasing imported uranium products from foreign countries? Identify any specific countries where these practices, as defined in the FCPA, are prevalent.	Yes							
		Do uranium producers operating in foreign market economies (e.g. Canada, Australia) have competitive advantages (e.g. geology, business practices, logistics chain) over U.S. producers?								
	9	Do regulatory or legislative frameworks give operators in foreign market economies (e.g. Canada, Australia) advantages over U.S. producers?								
	10	Has your organization dealt with any supply disruptions from foreign sources in the past five years? Explain.	Yes							
		Russian Presence on the Global Uranium Market	-Yes/No-	Explain						
		How have restrictions on imports of Russian uranium affected your organization?	Yes							
Ε	2	How would your organization's posture be affected by an increased Russian presence in the U.S. market?	Yes							
	3	Would your organization plan to purchase more Russian-origin uranium if the suspension agreement ends in 2020?	Yes							
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15: Certification							
The undersigned certifies that the information herein supplied in response to this questionnaire is complete and correct to the best of his/her knowledge. It is a criminal offense to willfully make a false statement or representation to any department or agency of the United States Government as to any matter within its jurisdiction (18 U.S.C. 1001 (1984 & SUPP. 1197)). Once your organization has completed this survey, save a copy and submit it via email to Uranium232@bis.doc.gov. Be sure to retain your survey for							
	your records and to facilitate any necessary edits or clarifications. BIS Survey Website https://www.bis.doc.gov/nuclearoperator						
Organization Name							
Organization's Internet Address							
Name of Authorizing Official							
Fitle of Authorizing Official							
E-mail Address	-mail Address						
Phone Number and Extension							
Date Certified							
In the box below, provide any additional comme	ents or any other information you wish to include regarding this survey assessment.						
How many hours did it take to complete this survey?							
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