U.S. PURCHASERS' QUESTIONNAIRE

LARGE POWER TRANSFORMERS FROM SOUTH KOREA

This questionnaire must be received by the Commission by <u>April 17, 2024</u>
See last page for instructions regarding how to file this questionnaire.

The information called for in this questionnaire is for use by the United States International Trade Commission in connection with its review of the antidumping order concerning large power transformers from South Korea (Inv. No. 731-TA-1189 (Second Review)). The information requested in the questionnaire is requested under the authority of the Tariff Act of 1930, title VII. This report is mandatory and failure to reply as directed can result in a subpoena or other order to compel the submission of records or information in your possession (19 U.S.C. § 1333(a)). Further information on this questionnaire can be obtained from Hau Nguyen (202-708-1441, hau.nguyen@usitc.gov).

Name of firm

City	State	Zip Code	
Website			
-	ourchased large power transformers (as defined on the time since January 1, 2018?	next page) <u>from any source</u> (o	domestic or
□ NO	(Sign the certification below and promptly return only this $\boldsymbol{\mathfrak{p}}$	page of the questionnaire to the C	Commission)
YES	(Complete all parts of the questionnaire, and return the ent	ire questionnaire to the Commiss	sion)
•	onnaire via the Commission <i>Drop Box</i> by clicking ox.usitc.gov/oinv/. (PIN: LPT). See last page for o	•	
	CERTIFICATION		
ge and belief and f this certificatio	ation herein supplied in response to this question If understand that the information submitted is subj In I also grant consent for the Commission, and	ect to audit and verification bits employees and contract	by the Commission personnel, to use
ge and belief and f this certificatio ion provided in t d by the Commiss	ation herein supplied in response to this question dunderstand that the information submitted is subjoin I also grant consent for the Commission, and this questionnaire and throughout this proceeding sion on the same or similar merchandise.	ect to audit and verification bits employees and contract pin any other import-injury p	by the Commission personnel, to use roceedings or revi
ge and belief and f this certificatio ion provided in t d by the Commiss dersigned, acknong or other procest (a) for developiand evaluations (3; or (ii) by U.S.	ation herein supplied in response to this question dunderstand that the information submitted is subjoin I also grant consent for the Commission, and this questionnaire and throughout this proceeding	ect to audit and verification be its employees and contract per in any other import-injury per this request for information or mmission, its employees and proceeding, or (b) in internal cions of the Commission incl	by the Commission personnel, to use roceedings or reving and throughout loffices, and continuestigations, aududing under 5 U.
ge and belief and f this certificatio ion provided in t d by the Commiss dersigned, acknong or other procest (a) for developiand evaluations (3; or (ii) by U.S.	ation herein supplied in response to this question of understand that the information submitted is subjust on I also grant consent for the Commission, and this questionnaire and throughout this proceeding sion on the same or similar merchandise. Sowledge that information submitted in response to eedings may be disclosed to and used: (i) by the Coloring or maintaining the records of this or a related particular to the programs, personnel, and operating of the programs, personnel, and operating of the programs of the personnel, solon appropriate nondisclosure agreements.	ect to audit and verification be its employees and contract per in any other import-injury per this request for information or mmission, its employees and proceeding, or (b) in internal cions of the Commission incl	by the Commission personnel, to use roceedings or reving and throughout loffices, and continuestigations, aududing under 5 U.

PART I.—GENERAL INFORMATION

<u>Background.</u>-- On August 31, 2012, the Department of Commerce ("Commerce") issued an antidumping duty order on imports of large power transformers from South Korea. On September 1, 2023, the Commission instituted a review pursuant to section 751(c) of the Tariff Act of 1930 (19 U.S.C. § 1675(c)) (the Act) to determine whether revocation of the order would be likely to lead to continuation or recurrence of material injury to the domestic industry within a reasonably foreseeable time. If both the Commission and Commerce make an affirmative determination, the order will remain in place. If either the Commission or Commerce makes a negative determination, Commerce will revoke the order. Pertinent information to this proceeding are available at:

Questionnaires: https://usitc.gov/reports/active import injury questionnaires. Other case information: https://ids.usitc.gov/case/3269/investigation/8433

<u>Large power transformers</u> covered by this proceeding are large liquid dielectric power transformers (LPTs) having a top power handling capacity greater than or equal to 60,000 kilovolt amperes (60 megavolt amperes), whether assembled or unassembled, complete or incomplete.

Incomplete LPTs are subassemblies consisting of the active part and any other parts attached to, imported with or invoiced with the active parts of LPTs. The "active part" of the transformer consists of one or more of the following when attached to or otherwise assembled with one another: the steel core or shell, the windings, electrical insulation between the windings, the mechanical frame for an LPT.

The product definition encompasses all such LPTs regardless of name designation, including but not limited to step-up transformers, step-down transformers, autotransformers, interconnection transformers, voltage regulator transformers, rectifier transformers, and power rectifier transformers.

Large power transformers are currently imported under statistical reporting numbers 8504.23.0045, 8504.23.0080, 8504.90.9634, 8504.90.9638, 8504.90.9642, and 8504.90.9646 of the Harmonized Tariff Schedule of the United States (HTSUS). The HTSUS provisions are for convenience and customs purposes; the written description of the scope is dispositive.

<u>Purchaser</u>.--Any firm engaged, either directly or through a parent company or subsidiary, in purchasing large power transformers from another firm that produces, imports, or otherwise distributes large power transformers.

Reporting of information.--If information is not readily available from your records, provide carefully prepared estimates. If your firm is completing more than one questionnaire in connection with this proceeding (i.e., a producer, importer, and/or purchaser questionnaire), you need not respond to duplicated questions.

<u>Confidentiality</u>.--The commercial and financial data furnished in response to this questionnaire that reveal the individual operations of your firm will be treated as confidential by the Commission to the extent that such data are not otherwise available to the public and will not be disclosed except as may be required by law (see 19 U.S.C. § 1677f). Such confidential information will not be published in a manner that will reveal the individual operations of your firm; however, general characterizations of numerical business proprietary information (such as discussion of trends) will be treated as confidential business information only at the request of the submitter for good cause shown.

<u>Verification</u>.--The information submitted in this questionnaire is subject to audit and verification by the Commission. To facilitate possible verification of data, please keep all of your files, worksheets, and supporting documents used in the preparation of the questionnaire response. Please also retain a copy of the final document that you submit.

Release of information.--The information provided by your firm in response to this questionnaire, as well as any other business proprietary information submitted by your firm to the Commission in connection with this proceeding, may become subject to, and released under, the administrative protective order provisions of the Tariff Act of 1930 (19 U.S.C. § 1677f) and section 207.7 of the Commission's Rules of Practice and Procedure (19 CFR § 207.7). This means that certain lawyers and other authorized individuals may temporarily be given access to the information for use in connection with this proceeding or other import-injury proceedings conducted by the Commission on the same or similar merchandise; those individuals would be subject to severe penalties if the information were divulged to unauthorized individuals.

I-1. <u>Reporting requirements</u>.--Please report below the actual number of hours required and the cost to your firm of completing this questionnaire for use by the Office of Management and Budget.

Hours	Dollars		

The questions in this questionnaire have been reviewed with market participants to ensure that issues of concern are adequately addressed and that data requests are sufficient, meaningful, and as limited as possible. Public reporting burden for this questionnaire is estimated to average 20 hours per response, including the time for reviewing instructions, gathering data, and completing and reviewing the questionnaire.

We welcome comments regarding the accuracy of this burden estimate, suggestions for reducing the burden, and any suggestions for improving this questionnaire. Please provide such comments to the Office of Investigations, import_injury@usitc.gov.

I-2a. <u>Establishments covered.</u>--Provide the name and address of establishment(s) covered by this questionnaire, if different from that listed on the cover page. Firms operating more than one establishment should combine the data for all establishments into a single response.

"Establishment" Each facility of a firm involved in the <u>purchase</u> of large power transformers,
including auxiliary facilities operated in conjunction with (whether or not physically separate
from) such facilities.
Stock symbol information. If your firm or parent firm is publishy traded places specify the

I-2b. **Stock symbol information.**— If your firm or parent firm is publicly traded, please specify the stock exchange and trading symbol: _____.

U.S. Purchasers' Questionnaire – Large Power Transformers (Second Review) Page 4 I-2c. External counsel.-- If your firm or parent firm is represented by external counsel in relation to this proceeding, having filed an entry of appearance, please specify the name of the law firm and the lead attorney(s). Law firm: Lead attorney(s): I-3. Ownership.--Is your firm owned, in whole or in part, by any other firm? No Yes--List the following information, relating to the ultimate parent/owner. **Extent of ownership** Firm name Country (percent) I-4. Related producers/importers/exporters. -- Does your firm have any related firms, either domestic or foreign, that produce large power transformers, import large power transformers into the United States, or export large power transformers to the United States? "Related firm" - A firm that your firm solely or jointly owned, managed, or otherwise controlled; a firm that solely or jointly owned, managed, or otherwise controlled your firm; and/or a firm that was solely or jointly owned, managed, or otherwise controlled by a firm that also solely or jointly owned, managed, or otherwise controlled your firm. No Yes--List the following information.

Firm name	Type (i.e., producer, exporter, importer)	Country	Affiliation

PART II.--PURCHASES

<u>Contact information</u> Please identify the responsible individual and the manner by which Commission
staff may contact that individual regarding the confidential information submitted in this questionnaire

Name	
Title	
Email	
Telephone	

II-1. <u>Purchases.</u>—Report, as indicated below, your firm's purchases (either directly or through a sales agent or broker) of large power transformers. Report based on delivery date, not order date.

Quantity (in MVAs) and value (in actual values)				
Item	2021	2022	2023	
Purchases of large power transformers produced in The United States: Quantity				
Value				
South Korea: Quantity				
Value				
All other countries:1 Quantity				
Value				

¹ Please list the other countries (i.e., sources other than South Korea or the United States) in descending order in terms of the quantity of purchased LPTs reported above:

II-2. Changes in purchasing patterns.-- Please indicate whether the shares of your firm's purchases of large power transformers steadily increased, fluctuated but ended higher, were constant, fluctuated but ended lower, or steadily decreased since January 1, 2018 from the listed sources.

Select one box per row.

Source of purchases	Did not purchase	Steadily increased	Fluctuated up	No change	Fluctuated down	Steadily decreased	Explanation for trend
United States							
South Korea							
All other countries							
Sources unknown							

II-3. <u>Country knowledge.--</u> Please indicate whether your firm has experience or is otherwise familiar with large power transformers produced in the following countries.

United States	South Korea	Other countries	Other countries (specify)

II-4. <u>Supplier identification</u>.--Please list your firm's <u>FIVE</u> largest suppliers for large power transformers since January 1, 2021, by quantity. Also, provide the share of the quantity of your firm's total purchases of large power transformers that each of these suppliers accounted for in 2023.

No.	Supplier's name (and producer's name, if different)	Location of production facility (city state, country)	Share of value of 2023 purchases
1			%
2			%
3			%
4			%
5			%

PART III.--MARKET CHARACTERISTICS AND PURCHASING PRACTICES

III-1. <u>Firm type.--</u>Which of the following best describes your firm as a purchaser of large power transformers (check all that apply)?

Public utility	Investor- owned utility	Industrial user	Engineering or construction company/ power project developer	Distributor	Other
Describe (other:				

III-2. End uses.—

(a) Have there been any changes in the end uses of large power transformers since January 1, 2018 or do you anticipate any future changes?

No	Yes	If yes, explain the changes, noting when these changes occurred or are expected to occur.

(a) For the products you make using large power transformers, please estimate the percent of your <u>total production cost</u> that is accounted for by large power transformers and by other inputs (such as labor, energy, and other raw materials).

	Share of total cost in e firm produces	Total (should			
Product(s) your firm produces	Large power transformers		Other inputs		sum to 100.0% across)
Distribution substations	%	+	%	Ш	0.0 %
Generating facility substations	%	+	%	П	0.0 %
Transmission line substations	%	+	%	II	0.0 %
Wind farms	%	+	%	П	0.0 %
	%	+	%	II	0.0 %

(a)	steadily d	ecreased	d, fluctuated b	final products inco ut ended lower, w ce January 1, 2018	ere constant, flu	
	Select one	answer				1
	Steadil increase	-	uctuated up	Constant	Fluctuated down	Steadily decr
(b)	Has this h	ad any e	ffect on your f	irm's demand for	large power trar	nsformers?
	No	Yes			Explain	
Donloo		Llas ve	our firm's dom	and for large now	or transformore	shangad singa
				and for large pow ate of replacemer Expla	t of aging transfo	
Januar	y 1, 2018 dı			ate of replacemer	t of aging transfo	
No Impact	Yes t of smart gourchases of	rid techi	hange in the ra	ate of replacemer	in technology had a	ormers?
No Impact firm's p	Yes t of smart gourchases of	rid techi	nology on firm	ate of replacemer Expla Has smart grid	in technology had a	ormers?
No Impact No Impact	Yes Yes of smart gourchases of Yes t of increase	rid techi f large p	nology on firm nower transfor yes, describe.	ate of replacemer Expla Has smart grid	in technology had a y 1, 2018?	an impact on yo

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power tran	sformer du	eduction Act of 2022.—Has there been an impact on the market for ie to the government infrastructure spending and loans programs un Act of 2022?	_
No	Yes	If yes, describe.	

No	If yes, explain the changes, noting when these changes occurred or are expected to occur.

III-9. <u>Demand trends.--</u> Has demand within the United States and outside of the United States (if known) for large power transformers steadily increased, fluctuated but ended higher, not changed, fluctuated but ended lower, or steadily decreased since January 1, 2018, and how do you anticipate demand will change in the future? Explain any trends and describe the principal factors that have affected, and that you anticipate will affect, these changes in demand.

Select one box per row.

elect one box p	er row.	T	Ī	1	Ī		
Market	Steadily increase	Fluctuate up	No change	Fluctuate down	Steadily decrease	Explanation and factors	
From January 1, 2018-December 31, 2020							
Within the United States							
Outside the United States							
		D	emand si	nce January	, 1, 2021		
Within the United States							
Outside the United States							
			Anticipat	ed future d	emand		
Within the United States							
Outside the United States							

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III-10.	Country preferences Do you or your customers ever prefer to order large power transformers
	produced in a specific country or countries over other possible country sources of supply?

No	Yes	If yes, identify the countries and explain any preferences.

III-11. <u>Importance of purchasing domestic product.</u>--Please fill out the table below, estimating the share of your firm's total 2023 purchases of large power transformers that required large power transformers produced in the United States.

	Estimated share of your firm's total 2023 purchases of large power transformers
Purchases that did not require domestic product	%
Purchases that were required by law or regulation to be domestic product (e.g., government purchases under "Buy American" provisions)	%
Purchases that were not required by law or regulation, but were required by your customers to be domestic product	%
Purchases that were required to be domestic product for other reasons	
(explain:)	%
Total (should sum to 100.0%)	0.0 %

III-12. <u>Business cycles.</u>—Is the large power transformers market subject to business cycles, either during the year or across years? If yes, describe.

No Yes	If yes, please describe, including any changes since January 1, 2018.

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III-13.	Conditions of competitionIs the large power transformers market subject to conditions of
	competition distinctive to large power transformers other than the business cycles described in
	the previous question? If yes, describe.

No	Yes	If yes, please describe, including any changes since January 1, 2018.

III-14. <u>Decisions based on producer and country-of-origin.</u>— How often does your firm, and if known, do your customers, make purchasing decisions involving large power transformers based on its producer or country of origin?

	Always	Usually	Sometimes	Never	If at least sometimes, explain.			
	Decision based on producer							
Your firm								
Your customers								
		Decis	ion based on c	ountry of	origin			
Your firm								
Your customers								

III-16.

III-15. <u>Availability of supply</u>.--Has the availability of large power transformers in the U.S. market changed since January 1, 2018? Do you anticipate any future changes?

Availability in the U.S. market			No	Yes	Please explain, noting the countries and reasons for the changes.
From Januar	y 1, 2	018-Dec	embe	r 31,	2020:
U.Sproduced product		duct			
Imports from Korea	n Sout	th			
Imports from all other countries					
Since Januar	y 1, 2	021:			
U.Sproduce	ed pro	duct			
Imports from Korea	n Sout	th			
Imports from all other countries		ther			
Anticipated of	chang	ges:			
U.Sproduced product					
Imports from Korea	Imports from South Korea				
Imports from all other countries					
					Are certain grades/types/sizes of large power ain country sources?
No Ye		If yes, pl only fro			ify the countries and the grades/types/sizes available untries.

III-17.	Su	p	<u>ply</u>	<u>/ constraints</u> .—

(a)	Has any firm refused, declined, or been unable to supply your firm with large power
	transformers, or a bid to supply a large power transformer(s), since January 1, 2018
	(examples include placing customers on allocation or "controlled order entry," declining to
	accept new customers or renew existing customers, delivering less than the quantity
	promised, being unable to meet timely shipment commitments, etc.)?

No	Yes	If yes, please describe, noting any differences by MVA size.	Also, explain any actions your firm took to cope with or overcome such supply constraints (e.g., purchasing from other countries, purchasing from other suppliers in the same country, rescheduling production plans, etc.)

(b) **Advanced Slot Reservation.** -- Have suppliers of large power transformers offered advanced slot reservation, either with or without an associated fee, since January 1, 2018?

No	Please explain the advanced slot reservations, how those are negotiated, and which specific suppliers (firm name and origin of LPTs) you received offers.

III-18. <u>Purchasing frequency.</u>--Does your firm purchase large power transformers on a regular/fixed schedule?

No	Yes	Explain.

III-19.	Raw	material	prices.—
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(a) Is your firm familiar with the prices for raw materials used in the production of large power transformers?

No	Yes – please answer (b)

(b) Has information on raw material prices affected your firm's negotiations or contracts to purchase large power transformers since January 1, 2018?

No	Yes	Explain

III-20. Number of suppliers contacted.--To how many suppliers do you generally send a Request for Quotation (RFQ) or other request before making a purchase? Between _____ and _____ firms.

III-21. Supplier negotiations.—

(a) Do your firm's purchases of large power transformers usually involve negotiations between supplier and purchaser?

No	If yes, explain the factors you generally negotiate, and answer the question below.

(b) Does your firm typically quote competing prices during negotiations?

No	If yes, describe the type of feedback given to suppliers during the negotiation.

III-22. Blanket agreements.—

(a) Has your firm purchased large power transformers pursuant to blanket agreements, alliance agreements, master contracts, master service agreements, outline agreements, or any other type of long-term supply agreements since January 1, 2021?

No (skip to III-23)	Yes (fill out table below)

(b) Report your five largest agreements that were in effect since 2021 (additional suppliers should be included if agreement is not exclusive).

Supplier, producer (if different), and country	Dates covered	Range of MVA sizes covered	Value (in \$1,000)	Exclusive supplier? (check if yes)	Are you required to buy from this supplier? (check if yes)
	1	•	Agreement 1	•	
			Agreement 2		
	Agreement 3				
			Agreement 4	_	
			Agreement 5		

III-22. Dialiket agreementscommueu	III-22.	Blanket agreementsContinued
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(c)	If you identified more than one supplier for any of the long-term agreements above, describe how you determine which of the qualified suppliers will supply each of your transformer needs over the life of the agreement. For example, will certain suppliers provide one type of transformer exclusively? Can there be further competition among the qualified suppliers based on price to supply any of the transformers while the agreement is in place?

III-23. New projects or rebids/renewals of agreements.--Please identify any new projects that are planned or likely to be put out for bid in 2024 or 2025, and any blanket agreements that are likely to be renewed or put out for bid in 2024 or 2025.

Range of MVA sizes covered	Estimated number of units	Anticipated bid/renewal date (month/year)	Locations

III-24. <u>Initial vs. evaluated/lifetime cost.</u>--Please rate how your firm weighs the initial cost of purchasing large power transformers compared with the evaluated/lifetime cost of owning the large power transformers, including maintenance cost, evaluated loss, and other operational costs.

Only consider initial cost	Mostly consider initial cost	Consider initial and evaluated/lifetime costs equally	Mostly consider evaluated/lifetime cost	Only consider evaluated/lifetime cost

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III-25.	<u>Bid</u>	com	<u>petition</u>	
			-	

(a)	Have vo	ou ever	attended	a pre-bid	meeting	with a	potential	supplier?

No	Yes	If yes, please describe the general nature of the discussions and whether pricing information was discussed.

(b) Have you ever attended a post-bid meeting with a supplier that bid on, but was not awarded, the project?

No	Yes	If yes, please describe the general nature of the discussions and whether any general discussions of bids, pricing, and the reason for awards occurred.

(c) How does general pricing information become known in the U.S. market?

Please describe the general nature of the discussions and whether any general discussions of bids, pricing, and the reason for awards occurred.				

III-26. Change in suppliers.--Has your firm changed suppliers since January 1, 2018?

No	If yes, please list the supplier(s), whether the firm was added or dropped, and the reasons for the change.

III-Z/. INCW SUPPLIERS.	III-27.	New	sup	pliers
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(a)	Are you aware of any	y new suppliers,	either foreign	or domestic,	that have	entered t	the
	market since January	/ 1, 2018?					

No	Yes	If yes, please identify the firms.

(b) Do you expect new large power transformers suppliers to enter the U.S. market?

No	Yes	If yes, please explain.

III-28. Supplier qualification.--

(a) Do you require your suppliers to be or to become certified or qualified to sell large power transformers to your firm?

If yes, provide the following information.

- The number of days required to qualify a new supplier.
- A general description of the certification or qualification process. Also, a brief description of the factors that you consider when qualifying a new supplier (e.g., quality of product, reliability of supplier, etc.).

No	Yes	Number of days	Certification/qualification process and factors considered

(b) List the manufacturing facilities that your firm has qualified to supply large power transformers.

Type of transformer				Maximum top-	
Standard step-up/ step-down transformers	Auto transformers	Production facility	Country of origin of LPTs	rated capacity (MVA) you have qualified at that facility	Maximum top- rated capacity (kV) you have qualified at that facility

III-29. <u>Failure to certify.</u>--Since January 1, 2018, have any domestic or foreign producers failed in their attempts to certify or qualify their large power transformers with your firm or have any producers lost their approved status?

No	If yes, please identify these producers, the countries where they are located, and the reasons why they failed or lost the certification/qualification.

III-30. <u>Major purchasing factors.</u>--Please list, in order of their importance, the three major factors your firm considers in deciding from whom to purchase large power transformers (examples include availability, extension of credit, contracts, price, quality, range of supplier's product line, traditional supplier, etc.).

1.	
2.	
3.	
Ple	ease list any other factors that are very important in your purchase decisions:

III-31. <u>Purchasing factors.</u>--Please rate the importance of the following factors in your firm's purchasing decisions for large power transformers.

Factor	Very important	Somewhat important	Not important
Availability			
Availability of greater than 499 MVA top rated products			
Country of origin			
Delivery terms			
Delivery time			
Discounts offered			
Ease of doing business			
Energy loss			
Extension of credit			
Evaluated or lifetime cost			
Long-term relationship			
Minimum quantity requirements			
Packaging			
Price			
Product consistency			
Product range			
Quality meets industry standards			
Quality exceeds industry standards			
Reliability of supply			
Responsiveness of supplier			
Shell or core design			
Technical support/service			
Time to fill order			
U.S. transportation costs			
Warranties			

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III-32.	Quality characteristicsWhat characteristics does your firm consider when evaluating the quality of large power transformers?								
III-33.	. <u>Minimum quality</u> How often does large power transformers from the following countries meet minimum quality specifications for your uses or your customers' uses?								
	So	urce	Always	Usually	Sometimes	Rarely or never	Don't know		
	United States								
	South Korea								
	Other:								
III-34.		decisions base that is offered a	-	orice?	s your firm pur		ge power		
	Always				П		7		
III-35.	Price leadersA price leader is defined as (1) one or more firms that initiate a price change, either upward or downward, that is followed by other firms, or (2) one or more firms that have a significant impact on prices. A price leader is not necessarily the lowest-priced supplier. Please list the names of any firms you have considered price leaders in the large power transformers market since January 1, 2018.								
	Firm(s)	Describe ho	w the firm(s)	exhibited pric	ce leadership				
-	estions III-36 a tion of specific	nd III-37, please corders.	e indicate and	explain the p	particular effec	t of impositio	on and/or		
III-36.		er(s) Describe order covering market.		•			_		

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III-37.	Effect of revocation of ordersWhat do you think will be the effects on your firm and the U.S. market of any revocation of the antidumping duty order on imports of large power transformers from South Korea?								
III-38.	. Role of section 232 measures.—Did the measures (e.g., tariffs, quotas, etc.) on imported steel/aluminum products under section 232, or changes in the measures (such as the level, coverage, or nature of the measures), have an impact on the large power transformers market in the United States, including any effects on large power transformers cost, price, supply, and/or demand, since January 1, 2018?								
	Yes— Plea impact in the			Skip to	No— next questi	ion.	Don't know— Skip to next question.		
Select	one box per ro	ow.							
	Factor	Steadily increase	Fluctuate up	No change	Fluctuate down	Steadil decreas	.	nder factor rmers	
prod	ply of U.S duced large transformers								
Supply of imported large power transformers									
	es for large transformers								
dema	verall U.S. and for large transformers								
Raw n	naterial costs								

for large power transformers

PART IV.--PRODUCT COMPARISIONS

IV-1. <u>Interchangeability.</u>—How often is large power transformers produced in the United States and in other countries interchangeable (i.e., can they physically be used in the same applications)?

Please indicate A, F, S, N, or 0 in the table below:

- A = the products from a specified country-pair are always interchangeable
- F = the products are *frequently* interchangeable
- S = the products are *sometimes* interchangeable
- N = the products are *never* interchangeable
- 0 = no familiarity with products from a specified country-pair

Country-pair	South Korea	Other countries		
United States				
South Korea				

For any country-pair producing large power transformers which is *sometimes* or *never* interchangeable, please identify the country-pair and explain the factors that limit or preclude the interchangeable use of large power transformers produced in the countries:

IV-2. <u>Factors other than price</u>.—How often are differences other than price (e.g., quality, availability, transportation network, product range, technical support, *etc.*) between large power transformers produced in the United States and in other countries a significant factor in your firm's purchases of the products?

Please indicate A, F, S, N, or 0 in the table below:

- A = such differences are *always* significant
- F = such differences are *frequently* significant
- S = such differences are *sometimes* significant
- N = such differences are *never* significant
- 0 = no familiarity with products from a specified country-pair

Country-pair	South Korea	Other countries			
United States					
South Korea					

For any country-pair for which factors other than price are *always* or *frequently* a significant factor in your firm's purchases of large power transformers, identify the country-pair and the relevant factors other than price and report the advantages or disadvantages imparted by such factors:

IV-3. **Factor country comparisons.**-- For the factors listed below, please rate how large power transformers produced in each country with which you are familiar, as reported in your response to question II-4, compares with large power transformers produced in each of the other countries with which you are familiar.

If you are unfamiliar with the product from a particular country, please leave the boxes for those country comparisons blank.

country comparisons blank.	1						ı		
	Proc	duct fro	m	Pr	oduct f	from		Produ	ct from
	United States			nited St				Korea	
	compare	-	roduct				compared to product		
		from		from					om
	Sou	th Kore	<u>ea</u>	Nons	<u>ubject</u>	sources	No	nsubje	ct sources
Factor	Superior	Comparable	Inferior	Superior	Comparable	Inferior	Superior	Comparable	Inferior
Availability									
Availability of greater than 499 MVA top rated products									
Country of origin									
Delivery terms									
Delivery time									
Discounts offered									
Ease of doing business									
Energy loss									
Extension of credit									
Evaluated or lifetime cost									
Long-term relationship									
Minimum quantity requirements									
Packaging									
Price									
Product consistency									
Product range									
Quality meets industry standards									
Quality exceeds industry standards									
Reliability of supply									
Responsiveness of supplier									
Shell or core design									
Technical support/service									
Time to fill order									
U.S. transportation costs									
Warranties									
1 A rating of cuporior on price and IIC trans	nortation	cacte in	dicator t	that tha	first sou	intry gono	ابدالمعا	and love	or

¹ A rating of superior on price and U.S. transportation costs indicates that the first country generally has lower prices/U.S. transportation costs than the second country.

IV-4. Change	in	price	
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(a)	Since January 1, 2018, has there been a change in the price of large power transformers? If so, has the price of U.Sproduced large power transformers changed more or less than the price of imported large power transformers from Korea?								
	No change in price.								
		ount.							
	ransformers has changed relative to s from Korea.								
(b)	If the price of U.Sproduced large power transformers has changed relative to the proof large power transformers from Korea, the price of U.Sproduced large power transformers is now relatively								
Higher Lower									
				than those from South Korea.					

V-1.	Bid information-	
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(a) Please fill out the following table with respect to projects which you put up for bid for large power transformers since January 1, 2021.

Total number of projects for bid	
Number of projects involving bids by domestic LPT producers	
Number of projects involving bids by suppliers of LPTs from South Korea	
Number of projects involving bids by suppliers of LPTs from other countries	
Please identify these countries, listing them in order of projects from greatest to lowest:	

(b) Did any of these projects involve bids by both domestic producers of large power transformers and suppliers of large power transformers from Korea?

No—Skip to question V-3.	Yes—fill out the table below and also answer question V-2.

Total number of projects involving bids by both domestic LPT	
producers and suppliers of LPTs from South Korea	

V-2. <u>Bid data (for purchases since January 1, 2021).</u>— Please fill out the table(s) below for each of your firm's **five largest** LPT purchases since January 1, 2021 for which your firm received at least one bid from a supplier of domestic LPTs and at least one bid from a supplier of LPTs produced in South Korea.

Please list all bids for each purchase. The bid amounts reported below should include amounts for any services proposed, such as installation or training, that were included in the requests for quotation (RFQs).

Bid Event 1

Basic description of bid requirements										
(1) Bid end date		Number of units								
Base MVA/Top MVA					High line kV	High line kV				
Load loss/ evaluation (\$/kW)					No load loss	No load loss evaluation (\$/kW)				
Type of transformer Standard step-up/step-down transformer Auto transformer Number of phases Three phase One phase Core design Shell design Other					Types of ste	cribing reflect_GOES				
			Evaluated	Differences	Winning bid					

Bidding firm name	Country produced	Base price (\$1,000s) ¹	Evaluated cost (\$1,000s)	Differences between bids	Winning bid (yes/no/ split)	Reason bid accepted or rejected

^{1.} Please report the bid value of large power transformer alone, net of all ancillary or additional parts and services (e.g., installation, supervision, oil, spare parts, accessories).

Bid Event 2

Basic description of

				bid re	equirements					
(1) Bid end date					Number of	Number of units				
Base MVA/Top MVA					High line k\	High line kV				
Load loss/ evaluation	(\$/kW)				No load los	No load loss evaluation (\$/kW)				
Type of transformer Standard step-up/s Auto transformer Number of phases Three phase One phase Transformers technol Core design Shell design Other		oformer			Types of st Laser so Other G Cooling cla Natural Force ci	cribing reflect_GOES				
Bidding firm name	Country produced	Base price (\$1,000s) ¹	Evaluated cost (\$1,000s)	Differences between bids	Winning bid (yes/no/ split)	Reason bid accepted or rejected				

^{1.} Please report the bid value of large power transformer alone, net of all ancillary or additional parts and services (e.g., installation, supervision, oil, spare parts, accessories).

Bid Event 3 Basic description of

				bid re	quirements					
(1) Bid end date					Number of	Number of units				
Base MVA/Top MVA					High line k\	High line kV				
Load loss/ evaluation	(\$/kW)				No load los	No load loss evaluation (\$/kW)				
Type of transformer Standard step-up/step-down transformer Auto transformer Number of phases Transformer Transformers technology Core design Shell design						Winding Basic Insulation Level (BIL) Types of steel Laser scribing reflect_GOES Other GOES Cooling class designation Natural convention internal cooling (no pumps) Force circulation internal cooling (with pumps) External cooling (with fans)				
Other										
Bidding firm name	Country produced	Base price (\$1,000s) ¹	Evaluated cost (\$1,000s)	Differences between bids	Winning bid (yes/no/ split)	Reason bid accepted or rejected				

^{1.} Please report the bid value of large power transformer alone, net of all ancillary or additional parts and services (e.g., installation, supervision, oil, spare parts, accessories).

Bid Event 4 Basic description of

				bid re	quirements					
(1) Bid end date						Number of units				
Base MVA/Top MVA						High line kV				
Load loss/ evaluation (\$/kW)						No load loss evaluation (\$/kW)				
Type of transformer Standard step-up/step-down transformer Auto transformer Number of phases Three phase One phase Transformers technology Core design Shell design Other						Winding Basic Insulation Level (BIL) Types of steel Laser scribing reflect_GOES Other GOES Cooling class designation Natural convention internal cooling (no pumps) Force circulation internal cooling (with pumps) External cooling (with fans)				
Bidding firm name	Country produced	Base price (\$1,000s) ¹	Evaluated cost (\$1,000s)	Differences between bids	Winning bid (yes/no/ split)	Reason bid accepted or rejected				

^{1.} Please report the bid value of large power transformer alone, net of all ancillary or additional parts and services (e.g., installation, supervision, oil, spare parts, accessories).

Bid Event 5

Basic description of

				bid re	quirements					
(1) Bid end date						Number of units				
Base MVA/Top MVA					High line k\	High line kV				
Load loss/ evaluation	(\$/kW)				No load los	No load loss evaluation (\$/kW)				
Type of transformer Standard step-up/step-down transformer Auto transformer Number of phases Three phase One phase Core design Shell design Other						Winding Basic Insulation Level (BIL) Types of steel Laser scribing reflect_GOES Other GOES Cooling class designation Natural convention internal cooling (no pumps) Force circulation internal cooling (with pumps) External cooling (with fans)				
Bidding firm name	Country produced	Base price (\$1,000s) ¹	Evaluated cost (\$1,000s)	Differences between bids	Winning bid (yes/no/ split)	Reason bid accepted or rejected				

^{1.} Please report the bid value of large power transformer alone, net of all ancillary or additional parts and services (e.g., installation, supervision, oil, spare parts, accessories).

<u>Bio</u>	d opportunit	ties.—						
(a)) How o	How often is there more than one chance to bid on a particular sales agreement?						
	А	lways	Frequen	tly	Sometin	nes	Rarely/No	ever
(b)	•	•	Sometimes, multiple chai		•		•	•
	d competitic hether or no		•			•		
	Always	Fre	equently	Som	etimes	Rare	ly/Never	
								1

PART VI.—ADDITIONAL INF	ORMATION
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VI-1.	Other explanationsIf your firm would like to further explain a response to any question that
	for which a narrative response box was not provided, please note the question number and the
	explanation in the space provided below.

HOW TO FILE YOUR QUESTIONNAIRE RESPONSE

This questionnaire is available as a "fillable" form in MS Word format on the Commission's website at:

https://usitc.gov/reports/active_import_injury_questionnaires

Please do not attempt to modify the format or permissions of the questionnaire document. Please submit the completed questionnaire using one of the methods noted below. If your firm is unable to complete the MS Word questionnaire or cannot use one of the electronic methods of submission, please contact the Commission for further instructions.

• <u>Upload via Secure Drop Box.</u>—Upload the MS Word questionnaire along with a scanned copy of the signed certification page (page 1) through the Commission's secure upload facility:

Web address: https://dropbox.usitc.gov/oinv/ Pin: LP1

• E-mail.—E-mail the MS Word questionnaire to hau.nguyen@usitc.gov; include a scanned copy of the signed certification page (page 1). Submitters are strongly encouraged to encrypt nonpublic documents that are electronically transmitted to the Commission to protect your sensitive information from unauthorized disclosure. The USITC secure drop-box system and the Electronic Document Information System (EDIS) use Federal Information Processing Standards (FIPS) 140-2 cryptographic algorithms to encrypt data in transit. Submitting your nonpublic documents by a means that does not use these encryption algorithms (such as by email) may subject your firm's nonpublic information to unauthorized disclosure during transmission. If you choose a non-encrypted method of electronic transmission, the Commission warns you that the risk of such possible unauthorized disclosure is assumed by you and not by the Commission.

If your firm does not purchase this product, please fill out page 1, print, sign, and submit a scanned copy to the Commission.

<u>Parties to this proceeding</u>.—If your firm is a party to this proceeding, it is required to serve a copy of the completed questionnaire on parties to the proceeding that are subject to administrative protective order (see 19 CFR § 207.7). A list of such parties may be obtained from the Commission's Secretary (202-205-1802). A certificate of service must accompany the completed questionnaire you submit (see 19 CFR § 207.7). Service of the questionnaire must be made in paper form.