U.S. PRODUCERS' QUESTIONNAIRE

HYDROFLUOROCARBON BLENDS AND COMPONENTS FROM CHINA

This questionnaire must be received by the Commission by WEDNESDAY, APRIL 28, 2016.

See last page for filing instructions.

The information called for in this questionnaire is for use by the United States International Trade Commission in connection with its antidumping investigation concerning hydrofluorocarbon blends and components from China (inv. No. 731-TA-1279 (Final)). 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 firm's possession (19 U.S.C. § 1333(a)).

Name of firm

City	у			
We	ebsite			
1.		•	ponents R-32, R-125, or R-143a, out-of-scope HFC 407A, R-407C, R-410A, and R-507A at any time since	
	YES (Complete all pa		ne entire questionnaire to the Commission)	
2.	Has your firm produced and	or reclaimed any out-of-scope refrig	erant blend (see pp. 2-3 for definitions) since January 1, 202	13?
		e parts I and V on pp. 6-9 and 62-76 of		
		, , ,	y this page of the questionnaire to the Commission)	
3.		onnaire relate to the production of (cl	_	
	HFC components Reclaimed/recon	stituted in-scope HFC blends	In-scope HFC blendsOut-of-scope refrigerant blends	
	•	he U.S. International Trade Co gov/oinv/. (PIN: 1279)	mmission <i>Drop Box</i> by clicking on the following	
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PART I.--GENERAL INFORMATION

Background.--This proceeding was instituted in response to a petition filed on June 25, 2015, by The American HFC Coalition and its members (Amtrol, Inc., West Warwick, Rhode Island; Arkema, Inc., King of Prussia, Pennsylvania; The Chemours Company FC LLC, Wilmington, Delaware; Honeywell International Inc., Morristown, New Jersey; Hudson Technologies, Pearl River, New York; Mexichem Fluor Inc., St. Gabriel, Louisiana; Worthington Industries, Inc., Columbus, Ohio) and District Lodge 154 of the International Association of Machinists and Aerospace Workers. Antidumping duties may be assessed on the subject imports as a result of this proceeding if the Commission makes an affirmative determination of injury, threat, or material retardation, and if the U.S. Department of Commerce makes an affirmative determination of dumping. Questionnaires and other information pertinent to this proceeding are available at:

https://www.usitc.gov/investigations/701731/2016/hydrofluorocarbon_blends_and_components_china/final.htm

<u>Certain hydroflurocarbon blends and components</u>: The products covered by these investigations are blended hydrofluorocarbons ("HFCs") and single HFC components of those blends thereof, whether or not imported for blending, including the following:

HFC components covered by the scope of this investigation:

(1) R-32 or "Difluoromethane" has the chemical formula CH_2F_2 , and is registered as CAS No. 75-10-5. It may also be known HFC-32, FC-32, Freon-32, Methylene difluoride, Methylene fluoride, Carbon fluoride hydride, halocarbon R32, fluorocarbon R32, and UN 3252.

R-32 is sold under various trade names, including Solkane®32, Forane®32, and Klea®32.

(2) <u>R-125</u> or "1,1,1,2,2-Pentafluoroethane" has the chemical formula CF₃CHF₂ and is registered as CAS No. 354-33-6. R-125 may also be known as HFC-125, Pentafluoroethane, Freon 125, and Fc-125.

R-125 is sold under various trade names, including Solkane®125, Klea®125, Genetron®125, and Forane®125.

(3) <u>R-143a</u> or "1,1,1-Trifluoroethane" has the chemical formula CF_3CH_3 and is registered as CAS No. 420-46-2. R-143a may also be known as HFC-143a, Methylfluoroform, 1,1,1-Trifluoroform, and UN2035.

R-143a is sold under various trade names, including Solkane®143a, Genetron®143a, and Forane®125.

HFC blends covered by the scope of this investigation:

(1) <u>R-404A</u>: a zeotropic mixture consisting of 52 percent R-143a, 44 percent by weight R-125, and 4 percent 1,1,1,2-Tetrafluoroethane ("R-134a").

R-404A is sold under various trade names, including Forane® 404A, Genetron® 404A, Solkane® 404A, Klea® 404A, and Suva® 404A.

(2) R-407A: a zeotropic mixture of 20 percent R-32, 40 percent R-125, and 40 percent R-134a.

R-407A is sold under various trade names, including Forane® 407A, Solkane® 407A, Klea® 407A, and Suva® 407A.

(3) R-407C: a zeotropic mixture of 23 percent R-32, 25 percent R-125, and 52 percent R-134a.

R-407C is sold under various trade names, including Forane® 407C, Genetron® 407C, Solkane® 407C, Klea® 407C and Suva® 407C.

(4) R-410A: a zeotropic mixture of 50 percent R-32 and 50 percent R-125.

R-410A is sold under various trade names, including EcoFluor R410, Forane® 410A, Genetron® R410A and AZ-20, Solkane® 410A, Klea® 410A, Suva® 410A, and Puron®.

(5) <u>R-507A:</u> an azeotropic mixture of 50 percent R-125 and 50 percent R-143a also known as R-507.

R-507A is sold under various trade names, including Forane® 507, Solkane® 507, Klea®507, Genetron®AZ-50, and Suva®507.

The foregoing percentages are nominal percentages by weight. Actual percentages of single component refrigerants by weight may vary by plus or minus two percent points from the nominal percentage identified above.

Products excluded from the scope of this investigation:

Excluded from this investigation are:

- (1) Blends of refrigerant chemicals that include products other than HFCs, such as blends including chlorofluorocarbons (CFCs) or hydrochlorofluorocarbons (HCFCs).
- (2) Patented HFC blends, such as ISCEON® blends, including MO99™ (RR-438A), MO79 (R-422A), MO59 (R-417A), MO49Plus™ (R-437A) and MO29™ (R-422D), and Genetron® Performax™ LT (R-407F), Choice® R-421A, and Choice® R-421B.
- (3) HFC component R-134a.

HFC blends included in the scope of this investigation are currently classified in the Harmonized Tariff Schedule of the United States ("HTS") in statistical reporting numbers 3824.78.0020 and 3824.78.0050. Single component HFCs included in the scope of this investigation are currently classified in statistical reporting number 2903.39.2035. Although the HTSUS statistical reporting numbers and CAS registry numbers are provided for convenience and customs purposes, the written description of the scope is dispositive.

Practical terminology for products in this questionnaire

Components

- In-scope HFC components = three (3) components, R-32, R-125, and R-143a.
- Out-of-scope HFC component = one (1) component, R-134a.³
- **HFC components** = four (4) components, R-32, R-125, R-143a, and R-134a.

Blends

- In-scope HFC blends = five (5) blends, R-404A, R-407A, R-407C, R-410A, and R-507A.
- Out-of-scope refrigerant blends = any blend that uses at least one in-scope HFC component and is not part of the 5 "in-scope HFC blends" listed above. These include all other refrigerant blends, including HFC, HCFC, and HFO blends. This includes proprietary and patented refrigerant blends. See question V-5 for a list of various out-of-scope refrigerant blends.

<u>Producer</u>.--If your firm produces HFC components R-32, R-125, R-143a, or R-134a, HFC blends R-404A, R-407A, R-407C, R-410A, or R-507A, you are considered a "producer" in this investigation.

<u>Reclaimer</u>.--If your firm removes impurities from any in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) through reclaiming, reconstituting, and/or recycling in order to produce the in-scope HFC blends by bringing these blends back to AHRI standards for customers, you must complete a producer questionnaire.

<u>Repackers</u>.--If your firm has both blending and repacking operations, please report your blending operations only.

<u>Reporting of information</u>.-- If information is not readily available from your records, provide carefully prepared estimates. If your firm is completing more than one questionnaire (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.

¹ Prior to 2016, HFC blends were classified in HTS statistical reporting number 3824.78.0000.

² Prior to 2016, single component HFCs were classified in HTS statistical reporting number 2903.39.2030.

³ With the exception of questions in sections II-4a and II-4 on your firm's ability to shift from within scope to out-of-scope components and blends, discussion and data for out-of-scope HFC component refer only to R-134a.

<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 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. In addition, if your firm is a U.S. producer, the information you provide on your production and imports of HFC blends and components and your responses to the questions in Part I of the producer questionnaire will be provided to the U.S. Department of Commerce, upon its request, for use in connection with (and only in connection with) its requirement pursuant to section 702(c)(4)/732(c)(4) of the Act (19 U.S.C. § 1671a(c)(4)/1673a(c)(4)) to make a determination concerning the extent of industry support for the petition requesting this proceeding. Any information provided to Commerce will be transmitted under the confidentiality and release guidelines set forth above. Your response to these questions constitutes your consent that such information be provided to Commerce under the conditions described above.

I-1a. <u>OMB statistics</u>.--Please report below the actual number of hours required and the cost to your firm of completing this questionnaire.

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 50 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 attach such comments to your response or send to the Office of Investigations, USITC, 500 E St. SW, Washington, DC 20436.

I-1b.	TAA information releaseIn the event that the U.S. International Trade Commission (USITC)
	makes an affirmative final determination in this proceeding, do you consent to the USITC's
	release of your contact information (company name, address, contact person, telephone
	number, email address) appearing on the front page of this questionnaire to the Departments of
	Commerce, Labor, and Agriculture, as applicable, so that your firm and its workers can be made
	eligible for benefits under the Trade Adjustment Assistance program?

Yes		No
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I-2. <u>Establishments covered</u>.--Provide the city, state, zip code, and brief description of each establishment covered by this questionnaire. If your firm is publicly traded, please specify the stock exchange and trading symbol in the footnote to the table. Firms operating more than one establishment should combine the data for all establishments into a single report.

"Establishment"--Each facility of a firm involved in the <u>production</u> of HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A), including auxiliary facilities operated in conjunction with (whether or not physically separate from) such facilities.

Establishments covered ¹	City, State	Zip (5 digit)	Description
1			
2			
3			
4			
5			
6			
1			

¹ Additional discussion on establishments consolidated in this questionnaire: . .

U.S. Producers'/Blenders'/Reclaimers Questionnaire – HFC Blends and Components from China (F) Page 7 I-3. **Petition support.**--Does your firm support or oppose the petition? Country Support Oppose Take no position China I-4. **Ownership**.--Is your firm owned, in whole or in part, by any other firm? Yes--List the following information. No **Extent of** ownership Address Firm name (percent) I-5. Related importers/exporters.--Does your firm have any related firms, either domestic or foreign, that are engaged in importing HFC components (R-32, R-125, R-143a, and R-134a) or inscope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) from China into the United States or that are engaged in exporting HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) from China to the United States? Yes--List the following information. Affiliation Firm name **Address** I-6. Related producers.--Does your firm have any related firms, either domestic or foreign, that are engaged in the production of in-scope HFC blends or HFC components? No Yes--List the following information.

		,
Firm name	Address	Affiliation

	Owned patent in the United	Production under	
HFC blend	States?	lease agreement?	Patent expiration date
R-404A			
R-407A			
R-407C			
R-410A			
R-507A			

I-8. Reclaiming operations.—

Reclaimer a firm that removes impurities from in-scope HFC blends R-404A, R-407A, R-407C,
R-410A, and R-507A through reclaiming, reconstituting, and/or recycling in order to produce in
scope and/or out-of-scope refrigerant blends.

ind/or out-of-scope refrigerant blends.	
Has your firm produced in-scope or out-of-scope HFC blend scope HFC blends (i.e., your firm takes used R-404A, R-407, then use the remaining HFC components to produce a refr in-scope HFC blends or other refrigerant blends)?	A, R-407C, R-410A, or R-507
☐ No ☐ Yes—Please check all that are	e applicable.
☐ R-404A ☐ R-407A ☐ R-407C ☐ R-410A ☐ R-507A	
Out-of-scope blends For reclaimers, what percentage of your business is involved.	ed in the following activities
	Share of firm's tota sales (percent)
For reclaimers, what percentage of your business is involved	Share of firm's tota
For reclaimers, what percentage of your business is involved Activities of reclaimers	Share of firm's tota
Activities of reclaimers Reclaiming in-scope HCF blends	Share of firm's tota
Activities of reclaimers Reclaiming in-scope HCF blends Reclaiming R-22	Share of firm's tota

PART II.--TRADE AND RELATED INFORMATION

Further information on this part of the questionnaire can be obtained from Joanna Lo (202-205-1888, <u>joanna.lo@usitc.gov</u>). **Supply all data requested on a <u>calendar-year</u> basis**.

II-1.		mationPlease identify the responsible taff may contact that individual regardinals	e individual and the manner by which ng the confidential information submitted
	Name]
	Title		
	Email		
	Telephone		
	Fax		

II-2. <u>Changes in operations.</u>--Please indicate whether your firm has experienced any of the following changes in relation to the production of R-32, R-125, R-143a, R-404A, R-407A, R-407C, R-410A, and/or R-507A since January 1, 2013.

(chec	k as many as appropriate)	(please describe)		
	plant openings			
	plant closings			
	relocations			
	expansions			
	acquisitions			
	consolidations			
	prolonged shutdowns or production curtailments			
	revised labor agreements			
	other (e.g., technology)			

II-3a. Production using same machinery.--Please report your firm's production of all types of HFC components and/or refrigerant blends made on the same equipment and machinery used to produce R-32, R-125, R-143a, R-404A, R-407A, R-407C, R-410A, and/or R-507A, and the combined production capacity on this shared equipment and machinery in the periods indicated.

"Overall production capacity" or "capacity"--The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup).

"Production"--All production in your U.S. establishment(s), including production consumed internally within your firm and production for another firm under a toll agreement.

- "In-scope HFC components"--three (3) components, R-32, R-125, R-143a.
- "In-scope HFC blends"--five (5) blends, R-404A, R-407A, R-407C, R-410A, and R-507A.
- "Other products"--any product in addition to HFC components and/or in-scope HFC blends made using the same machinery and equipment. These may include patented and proprietary HFC blends, CFC, HCFC, or HFO blends as well as other blends.

Quanti	ty (in short tons)			
	Calendar years			
Item	2013	2014	2015	
Machinery and equipment used to produce	HFC component	:s:		
Overall production capacity				
Production of: In-scope HFC components ¹	0	0	0	
Out-of-scope R-134a ²	0	0	0	
Other products ³				
Total	0	0	0	
Machinery and equipment used to produce	HFC blends:			
Overall production capacity				
Production of: In-scope HFC blends ⁴	0	0	0	
Other products (such as out-of- scope refrigerant blends) ⁵				
Total	0	0	0	
Data entered for in scope HFC component II-8. Data entered for R-134a production will po Please describe these products: Data entered for production will populate lose Please describe these products: Please describe these products:	pulate here once r	eported in question		

Business Proprietary

Page 12

U.S. Producers'/Blenders'/Reclaimers Questionnaire – HFC Blends and Components from China (F)

II-3b. Operating parameters.--The production capacity reported in II-3a is based on operating _____ hours per week, _____ weeks per year. II-3c. Capacity allocation.--If your firm produces products other than R-32, R-125, R-143a, R-404A, R-407A, R-407C, R-410A, and/or R-507A using the same equipment (as reported above), please describe the methodology used to allocate overall machinery and equipment capacity reported in question II-3a (above) for the following: (i) Capacity allocated for **in-scope HFC components** (as reported in question II-8). (ii) Capacity allocated for **in-scope HFC blends** (as reported in question II-10). II-3d. Production constraints. -- Please describe the constraint(s) that set the limit(s) on your firm's production capacity. II-3e. Swap agreements using imported HFC Components.--"Swap Agreement"--Agreement between two firms whereby firm A produces one HFC component X and trades a portion of that HFC component X for firm B's production and/or imports of HFC component Y. Since January 1, 2013, has your firm used imported HFC components (R-32, R-125, R-143a, and/or R-134a) to satisfy any portion of your swap agreement? No/NA Yes--Please describe the source of the imported HFC components and quantities supplied.

II-3f.	<u>Product shifting between components</u> Is your firm able to produce more than one individual HFC component (R-32, R-125, R-143a, and R-134a) using the same equipment and/or labor?				
	□ No	Yes Please describe the factors that affect your firm's ability to shift production among the above four HFC components (e.g., time, cost, relative price change, etc.), and the degree to which these factors enhance or constrain such shifts.			
II-3g.	_	m components to other productsIs your firm able to switch production from 32, R-125, R-143a, and R-134a) to other products using the same equipment			
	☐ No	Yes (i.e., have produced other products or are able to produce other products). Please identify other actual or potential products:			
	(R-32, R-125, R-143a	factors that affect your firm's ability to shift production from HFC components a, and R-134a) to other products (e.g., time, cost, relative price change, etc.), and these factors enhance or constrain such shifts.			
II-3h.	_	ween in-scope blendsIs your firm able to produce more than in-scope, R-407A, R-407C, R-410A, and R-507A) using the same equipment and/or			
		Yes (i.e., have produced different HFC blends using the same equipment and/or or).			
		factors that affect your firm's ability to shift production among HFC blends (e.g., price change, etc.), and the degree to which these factors enhance or constrain			

other	products using	g the same equipment and/or labor?
	☐ No	Yes (i.e., have produced other products or are able to produce othe products). Please identify other actual or potential products:
time,		factors that affect your firm's ability to shift production between products (e price change, etc.), and the degree to which these factors enhance or constraints.
Capit	al investments	,
(i)	more of the	ribe and quantify the amount of capital investments needed to produce one of the costs of an erations in the United States.
(i) (ii)	more of the blending op Please descrimore of the	HFC components (R-32, R-125, R-143a, and R-134a). Exclude the costs of an

II-4.	Tolling				
	"Toll agreement"Agreement between two firms whereby the first firm furnishes the raw materials and the second firm uses the raw materials to produce in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) and/or HFC components (R-32, R-125, R-143a, and R-134a) that it then returns to the first firm with a charge for processing costs, overhead, etc.				
	Since January 1, 2013, has your firm been involved in a toll agreement regarding the production of in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) and/or HFC components (R-32, R-125, R-143a, and R-134a)?				
	No YesPlease describe the toll arrangement(s) and name the firm(s) involved and check all that apply.				
	 (Check all the apply) Our firm is a toller for HFC components (actually produces) using raw materials provided by another firm. Our firm is a tollee for HFC components (another firm actually produces) using raw materials provided by our firm. Our firm is a toller for in-scope HFC blends (actually produces) using raw materials provided by another firm. Our firm is a tollee for in-scope HFC blends (another firm actually produces) using raw materials provided by our firm. 				
II-5.	Repackaging				
	"Repackaging agreement"Agreement between two firms whereby the first firm supplies in-scope HFC blends and the second firm repackages the supplied in-scope HFC blends.				
	Since January 1, 2013, has your firm been involved in a repackaging agreement regarding in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A)?				
	No YesPlease describe the repackaging arrangement(s) and name the firm(s) involved and check all that apply. NOTEGenerally, in parts II, III, and IV of this questionnaire, data relating to resales including those that have been repackaged should not be included in the provided data.				
	(Check all the apply) Our firm repackages in-scope HFC blends as part of a repackaging agreement using HFC blends supplied by another firm. Our firm supplies in-scope HFC blends to another firm for repackaging.				

II-6.	Foreign	trade	zones.—

II-7.

"Foreign trade zone" is a designated location in the United States where firms utilize special procedures that allow delayed or reduced customs duty payments on foreign merchandise. A foreign trade zone must be designed as such pursuant to the rules and procedures set forth in the Foreign-Trade Zones Act.

the Fore	ign-Trade Zones Act.
	Firm's FTZ operationsDoes your firm produce HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) and/or admit HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) into a foreign trade zone (FTZ)?
	No YesDescribe the nature of your firms operations in FTZs and identify the specific FTZ site(s).
	Other firms' FTZ operationsTo your knowledge, do any firms in the United States import HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) into a foreign trade zone (FTZ) for use in distribution of HFC components (R-32, R-125, R-143a, and R-134a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) and/or the production of downstream articles?
	No/Don't know YesIdentify the firms and the FTZs.
-	<u>r</u> Since January 1, 2013, has your firm imported HFC components (R-32, R-125, R-143a, B4a) or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A)?
merchar	<i>er"</i> The person or firm primarily liable for the payment of any duties on the ndise, or an authorized agent acting on his behalf. The importer may be the consignee, nporter of record.
☐ No	YesCOMPLETE AND RETURN A U.S. IMPORTERS' QUESTIONNAIRE

Trade Data Definitions

"Average production capacity" or "capacity"-- The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup; and a typical or representative product mix).

"Production"--All production in your U.S. establishment(s), including production consumed internally within your firm and production for another firm under a toll agreement.

"U.S. commercial shipments"--Shipments made within the United States as a result of an arm's length commercial transaction in the ordinary course of business. Report <u>net values</u> (i.e., gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods) in U.S. dollars, f.o.b. your point of shipment.

"Internal consumption"-- Product consumed internally by your firm.

"Transfers to related firms"--Shipments made to related domestic firms. Such transactions are valued at fair market value.

"Related firm"-- A firm that your firm solely or jointly owns, manages, or otherwise controls. Such transactions are valued at fair market value.

"Export shipments"--Shipments to destinations outside the United States, including shipments to related firms.

"Inventories" -- Finished goods inventory, not raw materials or work-in-progress.

"Swap Agreement"--Agreement between two firms whereby firm A produces one HFC component X and trades a portion of that HFC component X for firm B's production and/or imports of HFC component Y.

Note.--Re-sales of purchased HFC components (including repackaged and reclaimed components) should not be include in questions II-8 through II-14 below. However, if purchased HFC components were blended, then the data on the production of HFC blends should be provided in questions II-10 through II-14.

As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the trade data, as Commission staff may contact your firm regarding questions on the trade data. The Commission may also request that your company submit copies of the supporting documents/records (such as production and sales schedules, inventory records, etc.) used to compile these data.

II-8. **Production, shipment and inventory data for HFC components**.--Report your firm's production capacity, production, shipments, and inventories related to the production of HFC components (including both the in-scope HFC components R-32, R-125, and R-143a and the out-of-scope HFC component R-134a) in its U.S. establishment(s) during the specified periods.

Quantity (in short tons) and value (in \$1,000)					
	Calendar years				
Item	2013	2014	2015		
Average production capacity ¹ (quantity):					
R-32 (A)					
R-125 (B)					
R-143a (C)					
Out-of-scope R-134a (D)					
Total capacity of HFC components (E)	0	0	0		
Beginning-of-period inventories (quantity) (F)					
Production (quantity): R-32 (G)					
R-125 (H)					
R-143a (I)					
Out-of-scope R-134a (J)					
Total production of HFC components (K)	0	0	0		
Swap transactions of components: ² Quantity given, net (L)					
Quantity received, net (M)					
Net monetary exchange³ (N)					
Total available for shipment (O) ⁴	0	0	0		
¹ The average production capacity reported is based describe the methodology used to allocate overall prod R-32, R-125, R-143a, and R-134a reported here ² Please describe the swap transactions including (i) to nonmonetary exchange, (iii) the counterparties to the emodel ³ Was there any monetary consideration exchanged, transactions? ☐ No ☐ YesReport the net amou values if your firm received consideration) in line N and ¹ Total available for shipment in a given year is the net plus production, net of swap exchanges).	the goods involved, (ii) I exchange(s), and (iv) the also known as a boot in the exchanged (report not be amount of the amount o	ed in question II-3a to the company of the company	ts for the or this business olved in the swap irm paid, positive termined		

II-8. <u>Production, shipment and inventory data for HFC components</u>.—Continued

Quantity (in	Calendar years			
ltem	2013	2014	2015	
U.S. shipments of in-scope HFC components (R-32, R-125, & R-143a): ⁵				
Commercial shipments:	0	0		
Quantity (P)		_		
Value (Q)	0	0	C	
Internal consumption: Quantity (R)				
Value ⁶ (S)				
Transfers to related firms: Quantity (T)				
Value ⁶ (U)				
U.S. shipments of out-of-scope HFC component (R-134a): ⁵ Commercial shipments: Quantity (V)	0	0	C	
Value (W)	0			
Internal consumption: Quantity (X) Value ⁶ (Y)				
Transfers to related firms: Quantity (Z)				
Value ⁶ (AA)				
In-scope HFC components (R-32, R-125, and R-143a) Quantity (AB)				
Value (AC)				
Out-of-scope HFC component (R-134a) Quantity (AD)				
Value (AE)				
End-of-period inventories: In-scope HFC components (R-32, R-125, and R-143a) (quantity) (AF)				
Out-of-scope HFC component (R-134a) (quantity) (AG)				
⁵ Data will populate in this grid for commercial U ⁶ Internal consumption and transfers to related f uses a different basis for valuing these transactions data using that basis for each of the periods noted	firms must be valued a s, please specify that b	it fair market value. In t	he event that your firm	

⁷ Identify your firm's principal export markets:

<u>RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.</u>--Generally, the data reported for the endof-period inventories (i.e., lines AF and AG) should be equal total product available for shipment (i.e., line O), less total shipments (i.e., lines P, R, T, V, X, Z, AB, and AD). Please ensure that any differences are not due to data entry errors in completing this form, but rather actually reflect your firm's records; and also provide any likely explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.

	Calendar years			
Reconciliation	2013	2014	2015	
O – P – R – T – V – X – Z – AB – AD – AF –				
AG = should equal zero ("0") or provide				
an explanation. ¹	0	0	0	
¹ Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate:				

II-9. <u>Commercial shipments of HFC components by individual component and channel</u>.--Report your firm's commercial U.S. shipments by individual component and channel of distribution.

Quantity (in short tons) and value (in \$1,000)				
	Calendar years			
ltem	2013	2014	2015	
Commercial U.S. shipments:				
R-32:				
Sold to distributors and				
service companies and/or to				
equipment owners/end users:				
Quantity (AH)				
Value (AI)				
Sold to blenders/repackagers				
Quantity (AK)				
Value (AK)				
Sold to original equipment				
<u>manufacturers</u>				
Quantity (AL)				
Value (AM)				

Question continued next page

II-9. Commercial shipments of HFC components by individual component and channel.--Continued

Quantity (in short tons) and value (in \$1,000)			
	Calendar years		
Item	2013	2014	2015
R-125:			
Sold to <u>distributors and</u>			
service companies and/or to			
equipment owners/end users:			
Quantity (AN)			
Value (AO)			
Sold to <u>blenders/repackagers</u>			
Quantity (AP)			
Value (AQ)			
Sold to original equipment			
<u>manufacturers</u>			
Quantity (AR)			
Value (AS)			
R-143a:			
Sold to distributors and			
service companies and/or to			
equipment owners/end users:			
Quantity (AT)			
Value (AU)			
Sold to blenders/repackagers			
Quantity (AV)			
Value (AW)			
Sold to <u>original equipment</u>			
<u>manufacturers</u>			
Quantity (AX)			
Value (AY)			
R-134a (out-of-scope):			
Sold to <u>distributors and</u>			
service companies and/or to			
equipment owners/end users:			
Quantity (AZ)			
Value (BA)			
Sold to <u>blenders/repackagers</u>			
Quantity (BB)			
Value (BC)			
Sold to <u>original equipment</u>			
manufacturers			
Quantity (BD)			
Value (BE)			

II-10. Production, shipment and inventory data for in-scope HFC blends.--Report your firm's production capacity, production, shipments, and inventories related to the production of inscope HFC blends in its U.S. establishment(s) during the specified periods. Data can include production of in-scope HFC blends produced from reclaimed components and blends.

Quantity (in short tons) and value (in \$1,000)				
	Calendar years			
Item	2013	2014	2015	
Average production capacity ¹ (quantity) (BF)				
Beginning-of-period inventories (quantity) (BG)				
Production (quantity): R-404A (BH)				
R-407A(BI)				
R-407C (BJ)				
R-410A (BK)				
R-507A (BL)				
Total production of in-scope HFC blends (BM)	0	0	0	
U.S. shipments: Commercial shipments: ² Quantity (BN)	0	0	0	
Value (BO)	0	0	0	
Internal consumption: Quantity (BP)				
<i>Value</i> ³ (BQ)				
Transfers to related firms: Quantity (BR)				
Value³ (BS)				
Export shipments: ⁴ Quantity (BT)				
Value (BU)				
End-of-period inventories (quantity) (BV)				
The production capacity (see definitions in weeks per year. Please describe the me in reported capacity (use additional pages as n Data will populate in this grid for commerca Internal consumption, transfers to related event that your firm uses a different basis for etc.) and provide value data using that basis for Identify your firm's principal export markers.	ethodology used to calcula ecessary) cial U.S. shipments based of firms, and swap transactions valuing these transactions r each of the periods note	on what is entered into que ons must be valued at fair r , please specify that basis (ed above:	d explain any changes estion II-12. market value. In the e.g., cost, cost plus,	
compared to your U.S. shipments (i.e., is it sim			is a secondarious as	

II-10. Production, shipment and inventory data for in-scope HFC blends.--Continued

<u>RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.</u>--Generally, the data reported for the end-of-period inventories (i.e., line BV) should be equal to beginning of period inventories (i.e., line BG) plus production (i.e., line BM), less total shipments (i.e., linesBN, BP, BR and BT). Please ensure that any differences are not due to data entry errors in completing this form, but rather actually reflect your firm's records; and also provide any likely explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.

		Calendar years	
Reconciliation	2013	2014	2015
BG + BM -BN - BP - BR - BT - BV = should equal zero ("0") or provide an			
explanation. ¹	0	0	0
¹ Explanation if the calculated fields above are	returning values other than a	zero (i.e., "0") but are nonetl	neless accurate:

II-11. Sources of inputs used in the production of in-scope HFC blends.—Report your firm's production of in-scope HFC blends, by source of new HFC components (e.g., R-32, R-124, 143a, and 134a in lines BW, BX, BZ, and CA) as well as reclaimed HFC components or blends (in line CC), for the specified periods.

Quantity (in short tons)			
	Calendar years		
Item	2013	2014	2015
Production of in-scope HFC blends using HFC components Produced in the United States (including swapped) ¹ by your firm (BW)			
Purchased by your firm and produced in the United States by another firm (BX)			
Total production using domestic components (BY)	0	0	0
Imported from China (direct imports or purchases of imports) (BZ) ¹			
Imported from sources other than China (direct imports or purchases of imports) (CA) ¹			
Total production using imported sources (CB) ²	0	0	0
Production of in-scope HFC blends using reclaimed inputs (components or blends) regardless of source (CC) ³			
Total production of blends (CD)	0	0	0

¹ Count as domestic any inputs used by your firm with swapped merchandise if your firm gave its own domestic product for a component of foreign origin (known or unknown). Count as foreign any inputs used by your firm (even if the actual component used was produced in the United States) if your firm procured the domestic component pursuant to swap arrangement in which you gave imported components.

² Please provide the value or cost of the imported HFC components embodied in line CB:

Item	2013	2014	2015
Value of imported inputs (\$1,000)			

³ Additions of commercially procured new HFC components and/or HFC blends mixed with the reclaimed gases should be reported as appropriate based on the source of those materials in lines BW, BX, BZ, and CA. But the volume of reclaimed inputs should be reported in CC.

<u>RECONCILIATION OF PRODUCTION</u>.—Total production of blends reported in II-11 by source of inputs should equal total production of blends reported in II-10 by type of blend.

	Calendar years		
Reconciliation	2013	2014	2015
CD - BM = should equal zero ("0"), if not			
revise	0	0	0

II-12. Commercial shipments of in-scope HFC blends by individual blend and channel.--Report your firm's commercial U.S. shipments of in-scope HFC blends by individual blend and by channel of distribution.

Quantity (in short tons) and value (in \$1,000)			
	Calendar years		
ltem	2013	2014	2015
Commercial U.S. shipments: R-404A: Sold to distributors and service companies and/or to equipment owners/end users: Quantity (CE)			
Value (CF)			
Sold to <u>blenders/repackagers</u> Quantity (CG)			
Value (CH)			
Sold to <u>original equipment</u> <u>manufacturers</u> <i>Quantity</i> (CI)			
Value (CJ)			
R-407A: Sold to <u>distributors and service</u> companies and/or to equipment owners/end users s: Quantity (CK)			
Value (CL)			
Sold to <u>blenders/repackagers</u> <i>Quantity</i> (CM)			
Value (CN)			
Sold to <u>original equipment</u> <u>manufacturers</u> <u>Quantity</u> (CO)			
Value (CP)			

Question continued next page

II-12. Commercial shipments of in-scope HFC blends by individual blend and channel.--Continued

Quantity (in short tons) and value (in \$1,000)				
	Calendar years			
Item	2013	2014	2015	
Commercial U.S. shipments: R-407C:				
Sold to <u>distributors and service</u> <u>companies</u> and/or to <u>equipment</u> <u>owners/end users:</u> <i>Quantity</i> (CQ)				
Value (CR)				
Sold to <u>blenders/repackagers</u> <i>Quantity</i> (CS)				
Value (CT)				
Sold to <u>original equipment</u> <u>manufacturers</u> <i>Quantity</i> (CU)				
Value (CV)				
R-410A: Sold to <u>distributors and service</u> companies and/or to <u>equipment</u> owners/end users: Quantity (CW)				
Value (CX)				
Sold to <u>blenders/repackagers</u> <i>Quantity</i> (CY)				
Value (CZ)				
Sold to <u>original equipment</u> <u>manufacturers</u> <i>Quantity</i> (DA)				
Value (DB)				
R-507A: Sold to distributors and service companies and/or to equipment owners/end users: Quantity (DC)				
Value (DD)				
Sold to <u>blenders/repackagers</u> <i>Quantity</i> (DE)				
Value (DF)				
Sold to <u>original equipment</u> <u>manufacturers</u> <i>Quantity</i> (DG)				
Value (DH)				

II-13. <u>Employment data</u>.--Report your firm's employment-related data related to the production of inscope HFC blends and four HFC components (R-32, R-125, R-143a, and R-134a) and provide any explanation for any trends in these data.

"Production Related Workers" (PRWs) includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations.

Average number employed may be computed by adding the number of employees, both full time and part time, for the 12 pay periods ending closest to the 15th of the month and divide that total by 12.

"Hours worked" includes time paid for sick leave, holidays, and vacation time. Include overtime hours actually worked; do not convert overtime pay to its equivalent in straight time hours.

"Wages paid" – Total wages paid before deductions of any kind (e.g., withholding taxes, old-age and unemployment insurance, group insurance, union dues, bonds, etc.). Include wages paid directly by your firm for overtime, holidays, vacations, and sick leave.

	Calendar years			
Item	2013	2014	2015	
In-scope HFC components Average number of PRWs (number)				
Hours worked by PRWs (1,000 hours)				
Wages paid to PRWs (\$1,000)				
Out-of-scope HFC component R-134a Average number of PRWs (number)				
Hours worked by PRWs (1,000 hours)				
Wages paid to PRWs (\$1,000)				
In-scope HFC blends Average number of PRWs (number)				
Hours worked by PRWs (1,000 hours)				
Wages paid to PRWs (\$1,000)				

II-14.	Related firmsIf your firm reported transfers to related firms in question II-8, please indicate the nature of the relationship between your firm and the related firms (e.g., joint venture, wholly owned subsidiary), whether the transfers were priced at market value or by a non-market formula, whether your firm retained marketing rights to all transfers, and whether the related firms also processed inputs from sources other than your firm.

II-15.	Purchases of HFC components and in-scope HFC blends from ChinaOther than direct imports, has your firm otherwise purchased HFC components (R-32, R-125, R-143a, and R-134a) and/or in-scope HFC blends (R-404A, R-407A, R-407C, R-410A, and R-507A) from China since January 1, 2013?
	"Purchase" A transaction to buy the four HFC components and/or the (5) HFC blends from a U.S. corporate entity such as another U.S. producer, a U.S. distributor, or a U.S. firm that has

directly imported the four HFC components and/or the five in-scope HFC blends.

"Direct import"--A transaction to buy from a foreign producer where your firm is the importer of record or consignee. (Per question II-7, if your firm directly imports HFC components and/or in-scope HFC blends, your firm should be submitting a separate U.S. importers' questionnaire response).

Note.--Re-sales of purchased HFC components (including repackaged and reclaimed components) should not be include in questions II-8 through II-14 above. However, if purchased HFC components were blended, then the data on the production of HFC blends should be provided in questions II-10 through II-14.

☐ No	YesReport such purchases below and explain the reasons for your firms' purchases:

(Quantity	in short tons)		
	Calendar years		
Item	2013	2014	2015
Purchases of HFC components imported from			
China			
R-32 ¹			
R-125 ²			
R-143a ³			
Out-of-scope R-134a ⁴			
Purchases of in-scope HFC blends imported from China ⁵			
¹ Please list the name(s) of the importer(s) from Chi ² Please list the name(s) of the importer(s) from Chi ³ Please list the name(s) of the importer(s) from Chi ⁴ Please list the name(s) of the importer(s) from Chi ⁵ Please list the name(s) of the importer(s) from Chi	na from which you na from which you na from which you	ur firm purchased R-125: ur firm purchased R-143a ur firm purchased R-134a	 : :

II-16.	Other explanations:If your firm would like to further explain a response to a question in Part II that did not provide a narrative box, please note the question number and the explanation in the space provided below. Please also use this space to highlight any issues your firm had in providing the data in this section, including but not limited to technical issues with the MS Word questionnaire.

PART III.--FINANCIAL INFORMATION

Address questions on this part of the questionnaire to David Boyland (202-708-4725, david.boyland@usitc.gov).

		<u>mation.</u> Please identify the responsible individual and the manner by which taff may contact that individual regarding the confidential information submitted			
	in part III.	tan may contact that marriadal regarding the confidential mornation submitted			
	Name				
	Title				
	Email				
	Telephone				
	Fax				
III-2.	Accounting system Briefly describe your firm's financial accounting system.				
	A.	When does your firm's fiscal year end (month and day)?			
		If your firm's fiscal year changed during the data-collection period, explain below:			
	B.1.	Describe the lowest level of operations (e.g., plant, division, company-wide) for which financial statements are prepared that include in-scope HFC components and/or in-scope HFC blends:			
	2.	Does your firm prepare profit/loss statements for in-scope HFC components and/or in-scope HFC blends? Yes No			
	3.	How often did your firm (or parent company) prepare financial statements (including annual reports, 10Ks)? Please check relevant items below. Audited, unaudited, annual reports, 10Ks, 10 Qs, Monthly, quarterly, semi-annually, annually			
	4.	Accounting basis: GAAP, cash, tax, or other comprehensive basis of accounting (specify)			
	Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the financial data, as Commission staff may contact your firm regarding questions on the financial data. The Commission may also request that your company submit copies of the supporting documents/records (financial statements, including internal profit-and-loss statements for the division or group that includes in-scope HFC components and in-scope HFC blends, as well as specific statements and worksheets) used to compile these data.				
III-3a.	cost, job orde	ng systemBriefly describe your firm's cost accounting system (e.g., standard r cost, etc.). Please also specify, as applicable, how HFC component swap re reflected in reported cost of goods sold (table III-9a and table III-9d).			

III-3b.	<u>Swap accounting</u> From the perspective of the relevant business unit responding to this questionnaire and as applicable, please describe in the space below how HFC component swaps are recognized in the normal course of business. Your response should include a description of the specific manufacturing costs that are recognized pursuant to the swap exchange (e.g., variable costs only or fully-absorbed manufacturing costs) and the extent to which this treatment is reflected in the relevant costs reported in table III-9a, III-9b, and/or III-9d.
	(Note: With regard to operations on in-scope HFC components, the Commission requests that HFC component swaps (from the perspective of relevant in-scope HFC components given up in exchange) be reported at fair market value and corresponding costs be reported in cost of goods sold (see instructions to table III-9a). With regard to operations on in-scope HFC blends, HFC components received pursuant to a swap and used to produce in-scope HFC blends should, as applicable, be included in in-scope HFC blends costs of goods (see instructions to table III-9d).)
III-3c.	Swap ratios To the extent that your company engages in HFC component swaps, please identity the parties to the arrangement, relevant swap ratios, and how the reported ratios were determined. Please also describe the extent to which relevant swap ratios changed during the period and the reason for such changes.
III-4.	Allocation basisWith respect to in-scope HFC components, relevant out-of-scope HFC components, and in-scope HFC blends, please briefly describe your firm's allocation basis, if any, for cost of goods sold, SG&A, and interest expense and other income and expenses.

III-5. Other products.--Please list the products your firm produced in the facilities in which your firm produced in-scope HFC components and in-scope HFC blends, and provide the share of net sales accounted for by these products in your firm's most recent fiscal year.

Products	Share of sales
In-scope HFC components	%
In-scope HFC blends	%
	%
	%
	%
	%

III-6.	Does your firm purchase inputs (raw materials, labor, energy, or any services) used in the production of in-scope HFC components and/or in-scope HFC blends from any related suppliers; e.g., inclusive of transactions between related firms, divisions, and/or other components within the same company?				
	YesContinue to ques	tion III-7. NoContinue to	question III-9a.		
III-7.	Inputs from related suppliersPlease identify the inputs used in the production of in-scope HFC components and in-scope HFC blends that your firm purchases from related suppliers and that are reflected in in-scope HFC components cost of goods sold (COGS) (III-9a and III-9b) and in-scope HFC blends COGS (III-9d), respectively. For "Share of total COGS" please report this information by relevant input on the basis of your most recently completed fiscal year. For "Input valuation" please describe the basis, as recorded in your company's own accounting system, of the purchase cost from the related supplier; e.g., the related supplier's actual cost, cost plus, or negotiated transfer price to approximate fair market value.				
	In-scope HFC components COGS				
	Input	Related supplier	Share of total COGS ¹		
	Basis of input valuation	as recorded in the firm's accounting	books and records:		
	In-scope HFC blends CO Input	Related supplier	Share of total COGS ¹		
	Basis of input valuation as recorded in the firm's accounting books and records:				
	² Information relevant to	ecific to in-scope HFC components a o any out-of-scope HFC component ved, if applicable, in this section of the	nd in-scope HFC blends, respectively. which is used to produce in-scope HFC e table.		

III-8. Inputs purchased from related suppliers.--Please confirm that the inputs purchased from related suppliers, as identified in III-7, were reported for in-scope HFC components COGS (III-9a and III-9b) and in-scope HFC blends COGS (III-9d) in a manner consistent with your firm's accounting books and records.

Yes

No--In the space below, please report the valuation basis of inputs purchased from related suppliers and reflected in the COGS reported in III-9a, III-9b, and III-9d.

III-9a. Overall operations on in-scope HFC components.—Report the revenue and related cost information requested below on the in-scope HFC component operations of your firm's U.S. establishment(s). Do not report resales of products. Note that transfers to related firms, internal consumption, and swaps (from the perspective of relevant in-scope HFC components given up in exchange) must be valued at fair market value. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for your firm's three most recently completed fiscal years. If your firm was involved in in-scope HFC component tolling operations (either as the toller or as the tollee), please contact David Boyland at (202)708-4725 before completing this section of the questionnaire.

Quantity (<i>i</i>	in short tons) and value (ir	n \$1,000)	
	Fiscal years ended		
Item	2013	2014	2015
Net sales quantities: ²			
Commercial sales ("CS")	0	0	0
Transfers to related firms ("Transfers")	0	0	0
Internal consumption ("IC")	0	0	0
Swaps	0	0	0
Total net sales quantities	0	0	0
Net sales values: ² Commercial sales	0	0	0
Transfers to related firms	0	0	0
Internal consumption	0	0	0
Swaps	0	0	0
Total net sales values	0	0	0
Cost of goods sold (COGS): ³ Primary raw materials	0	0	0
Direct labor	0	0	0
Other factory costs ⁴	0	0	0
Total COGS	0	0	0
Gross profit or (loss)	0	0	0
Selling, general, and administrative (SG&A) expenses: Selling expenses	0	0	0
General and administrative expenses	0	0	0
Total SG&A expenses	0	0	0
Operating income (loss)	0	0	0
Other expenses and income: Interest expense	0	0	0
All other expense items	0	0	0
All other income items ⁴	0	0	0
Net income or (loss) before income taxes	0	0	0
Depreciation/amortization included above	0	0	0

Table continued on following page.

III-9a. Operations on in-scope HFC components.—Continued

Note -- The table above contains calculations that will appear when you have entered data in the MS Word form fields.

¹ Include only relevant revenue items (whether domestic or export) and costs related to your U.S. manufacturing operations.

² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire.

³ To the extent applicable (and whether associated with domestic or export revenue items), COGS should include costs associated with CS, Transfers, IC, and swaps (i.e., the relevant cost of HFC components given up in exchange and recognized in COGS).

⁴ Please report relevant by-product revenue as an offset to other factory costs, as opposed to a component of other income.

("open market sales").--Report the revenue and related cost information requested below on the in-scope HFC component operations of your firm's U.S. establishment(s). Include both domestic and export commercial sales of the in-scope HFC components your firm produced, but do not report resales of products. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for your firm's three most recently completed fiscal years. If your firm was involved in in-scope HFC component tolling operations (either as the toller or as the tollee), please contact David Boyland at (202)708-4725 before completing this section of the questionnaire.

Quantity (in	short tons) and value (ir	n \$1,000)			
	Fiscal years ended				
ltem	2013	2014	2015		
Net sales quantities: ²					
Commercial sales ("CS")	0	0	0		
Net sales values: ²					
Commercial sales	0	0	0		
Cost of goods sold (COGS): ³					
Primary raw materials	0	0	0		
Direct labor	0	0	0		
Other factory costs ⁴	0	0	0		
Total COGS	0	0	0		
Gross profit or (loss)	0	0	0		
Selling, general, and administrative (SG&A) expenses:					
Selling expenses	0	0	0		
General and administrative expenses	0	0	0		
Total SG&A expenses	0	0	0		
Operating income (loss)	0	0	0		
Other expenses and income:					
Interest expense	0	0	0		
All other expense items	0	0	0		
All other income items ⁴	0	0	0		
Net income or (loss) before income taxes	0	0	0		
Depreciation/amortization included above	0	0	0		

¹ Include only relevant revenue items (whether domestic or export) and costs related to your U.S. manufacturing operations.

⁴ Please report relevant by-product revenue as an offset to other factory costs, as opposed to a component of other income.

² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire. Commercial sales quantities and commercial sales values reported here will be populated from data entered into question III-9a.

³ COGS (whether for domestic or export sales) should include costs associated with open market sales only. Costs associated with input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records.

Note -- The table above contains calculations that will appear when you have entered data in the MS Word form fields.

III-9c. Internally-produced HFC component costs recognized in COGS of operations on in-scope HFC blends.—Report the requested cost information specific to HFC components produced in your firm's U.S. establishment(s) and recognized in table III-9d financial results on in-scope HFC blends. The total amount reported in this table will populate the total line item Cost of internally-produced HFC components recognized in COGS as reported in table III-9d. Relevant input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for your firm's three most recently completed fiscal years.

	Value (in \$1,000)		
Fiscal years ended			
Item	2013	2014	2015
Cost of internally-produced components recognized in table III-9d COGS (in-scope HFC blends):			
Raw materials	0	0	0
Direct labor	0	0	0
Other factory costs ¹	0	0	0
Total cost of internally-produced components recognized in III-9d COGS ²	0	0	0

¹ Please report relevant by-product revenue as an offset to other factory costs, as opposed to a component of other income.

Note.--These costs should, to the extent applicable, reflect all internally produced HFC component costs relevant to the company's HFC blending operations and would include both in-scope HFC components and, if applicable, the out-of-scope HFC component R-134a. Internally-produced components which were not further processed into in-scope HFC blends (e.g., they were sold on a stand-alone basis and/or processed into out of scope HFC blends) are not relevant to this table (or table III-9d) but should instead be reflected in table III-9a.

² Total cost of internally-produced components will populate the relevant line item in table III-9d (*in-scope HFC blends -- Cost of internally-produced components recognized in COGS*).

III-9d. Operations on in-scope HFC blends.—Report the revenue and related cost information requested below on the in-scope HFC blends operations of your firm's U.S. establishment(s). Do not report resales of products. Note that transfers to related firms and internal consumption must be valued at fair market value. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for your firm's three most recently completed fiscal years. If your firm was involved in inscope HFC blends tolling operations (either as the toller or as the tollee), please contact David Boyland at (202)708-4725 before completing this section of the questionnaire.

Quantity	y (in short tons) and value (in	\$1,000)			
	Fiscal years ended				
ltem	2013	2014	2015		
Net sales quantities: ²					
Commercial sales ("CS")	0	0	0		
Transfers to related firms ("Transfers")	0	0	0		
Internal consumption ("IC")	0	0	0		
Total net sales quantities	0	0	0		
Net sales values: ² Commercial sales	0	0	0		
Transfers to related firms	0	0	0		
Internal consumption	0	0	0		
Total net sales values	0	0	0		
Cost of goods sold (COGS): ³ Cost of internally-produced components recognized in COGS (from III-9c) ⁴	0	0	0		
Purchased or swapped ⁵ components recognized in COGS (U.S. origin)	0	0	0		
Purchased or swapped ⁵ components recognized in COGS (imported)	0	0	0		
Recovered HFC components or blends ⁶	0	0	0		
All other raw materials (blending operations only)	0	0	0		
Direct labor (blending operations only)	0	0	0		
Other factory costs (blending operations only) ⁷	0	0	0		
Total COGS	0	0	0		
Gross profit or (loss)	0	0	0		
Selling, general, and administrative (SG&A) expenses: Selling expenses	0	0	0		
General and administrative expenses	0	0	0		
Total SG&A expenses	0	0	0		
Operating income (loss)	0	0	0		
Other expenses and income: Interest expense	0	0	0		
All other expense items	0	0	0		
All other income items ⁷	0	0	0		
Net income or (loss) before income taxes	0	0	0		
Depreciation/amortization included above	0	0	0		

Table continued on following page.

III-9d. Operations on in-scope HFC blends.--Continued

- ¹ Include only relevant revenue items (whether domestic or export) and costs related to your U.S. manufacturing operations.
- ² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire.
- ³ To the extent applicable (and whether associated with domestic or export revenue items), COGS should include costs associated with inscope HFC blends CS, Transfers, and IC.
- ⁴ With respect to operations on in-scope HFC blends, total cost of internally-produced components recognized in COGS are reported in question III-9c and will populate this line item.
- ⁵ Relevant HFC components <u>received</u> from a third party pursuant to swap transactions and recognized in in-scope HFC blends COGS, as applicable.
- ⁶ This input line item is intended primarily for producers who operate as HFC reclaimers. HFC reclaimers should also report conversion costs and SG&A expenses allocable to HFC reclaiming operations.
- ⁷ Please report relevant by-product revenue related to blending operations as an offset to other factory costs, as opposed to a component of other income.
 - Note -- The table above contains calculations that will appear when you have entered data in the MS Word form fields.
 - Financial data reconciliation.--The calculable line items in tables III-9a through III-9d (i.e., total net sales quantities and values, total COGS, gross profit (or loss), total SG&A, and net income (or loss)) have been calculated from the data submitted in the other line items. Do the calculated fields return the correct data according to your firm's financial records ignoring non-material differences that may arise due to rounding? Yes No--If the calculated fields do not show the correct data, please double check the feeder data for data entry errors and revise. Also, check signs accorded to the post operating income line items; the two expense line items should report positive numbers (i.e., expenses are positive and incomes or reversals are negative--instances of the latter should be rare in those lines) while the income line item also in most instances should have its value be a positive number (i.e., income is positive, expenses or reversals are negative). If after reviewing and potentially revising the feeder data your firm has provided, the differences between your records and the calculated fields persist please identify and discuss the differences in the space below.

III-10. Nonrecurring items (charges and gains) included in in-scope HFC components and in-scope HFC blends financial results.--For each annual period for which financial results are reported in question III-9a, III-9b, and/or III-9d, please specify all material (significant) nonrecurring items (charges and gains) in the schedule below, the specific table III-9a, III-9b, and/or III-9d line item where the nonrecurring items are included, a brief description of the relevant nonrecurring items, and the associated values (in \$1,000), as reflected in table III-9a, III-9b, and/or III-9d; i.e., if an aggregate nonrecurring item has been allocated to table III-9a, III-9b, and/or III-9d, only the allocated value amount included in table III-9a, III-9b, and/or III-9d should be reported in the schedule below.

Note: The Commission's objective here is to gather information only on significant nonrecurring items which impacted the reported financial results in table III-9a, III-9b, and/or III-9d.

		Fiscal years ended		
	2013	2014	2015	
Nonrecurring item: In this column please provide a brief description of each nonrecurring item and indicate the specific line item in table III-9a, III-9b, and/or III-9d where the nonrecurring item is classified.	Nonrecurring item: In these columns please report the amount of the relevant nonrecurring item reported in table III-9a, III-9b, and/or III-9d. Value (\$1,000)			
In-scope HFC components – non-recurring items reporte	ed in III-9a			
1. , classified as				
2. , classified as				
3. , classified as				
4. , classified as				
In-scope HFC components – non-recurring items reporte	ed in III-9b			
1. , classified as				
2. , classified as				
3. , classified as				
4. , classified as				
In-scope HFC blends – non-recurring items reported in I	II-9d			
1. , classified as				
2. , classified as				
3. , classified as				
4. , classified as				

III-11.	<u>Classification of identified nonrecurring items (charges and gains) in the accounting books and records of the company</u> If nonrecurring items were reported in table III-10 above, please
	identify where your company recorded these items in your accounting books and records in the normal course of business; i.e., III-10 information designates where these items are reported in table III-9a, III-9b, and/or III-9d, respectively.

III-12. Property, plant, and equipment and total assets.--Report the property, plant, and equipment (PP&E) and total assets (i.e., both current and long-term assets) associated with the production, warehousing, and sale of in-scope HFC components and in-scope HFC blends, respectively. If your firm does not maintain some or all of the information necessary to report this information (specific to in-scope HFC components and in-scope HFC blends) in the normal course of business, please estimate this information based upon a method (such as production, sales, or costs) that is consistent with your firm's relevant cost allocations in the preceding tables. Provide data as of the end of your firm's three most recently completed fiscal years.

Note: PP&E and total assets should reflect <u>net assets</u> after any accumulated depreciation and allowances deducted. PP&E and total assets should be allocated to the subject products if they are also related to other products. Please provide a brief explanation if there are any substantial changes in PP&E and/or total assets during the period; e.g., due to asset write-offs, revaluation, and major purchases.

	Value (in \$1,000)			
Item	2013	2014	2015		
In-scope HFC components					
Property, plant, and equipment (net) 1					
Total assets (net) 1					
In-scope HFC blends					
Property, plant, and equipment (net) ²					
Total assets (net) ²					

¹ Describe nature of substantial changes in in-scope HFC components PP&E and total asset balance: ____

² Describe nature of substantial changes in in-scope HFC blends PP&E and total asset balance:

III-13. <u>Capital expenditures and research and development expenses</u>.--Report your firm's capital expenditures and research and development expenses on in-scope HFC components and inscope HFC blends. Provide data for your firm's three most recently completed fiscal years.

	Value (<i>in \$1,00</i>	0)	
		Fiscal years ended	
Item	2013	2014	2015
In-scope HFC components		•	•
Capital expenditures ¹			
Research and development expenses ²			
In-scope HFC blends		•	
Capital expenditures ³			
Research and development expenses ⁴			
Please describe the nature, focus, ar components: Please describe the nature, focus, ar components: Please describe the nature, focus, ar Please describe the nature, focus, ar blends: 1 Please describe the nature, focus, ar blends: 1	nd significance of your fi	rm's R&D expenses relatorm's capital expenditures	ed to in-scope HFC s on in-scope HFC blends:

III-14. <u>Data consistency and reconciliation</u>.--Please indicate whether your firm's financial data for questions III-9a, III-9b, III-9d, III-12, and III-13 are based on a calendar year or on your firm's fiscal year:

Calendar year	Fiscal year	Specify fiscal year

Please note the relevant quantities and values reported in question III-9a (financial results on overall operations on in-scope HFC components) and III-9d (financial results on overall operations on in-scope HFC blends) should reconcile with data reported in question II-8 and II-9 (including export shipments) as long as they are reported on the same calendar year basis.

Do relevant data in question III-9a (financial results on overall operations on in-scope HFC components) and III-9d (financial results on overall operations on in-scope HFC blends) reconcile with data in question II-8 and II-9?

Yes	No	If no, please explain.

U.S. Pro	oducers'/l	Blende	ers'/Reclaimers Questionnaire – H	FC Blends and Components from China (F) Page 44
III-15.	negativ	e eff		nuary 1, 2013, has your firm experienced any actual to the scale of capital investments as a result of nents from China?
	☐ No		YesMy firm has experi	enced actual negative effects as follows:
		(ch	neck as many as appropriate)	(please describe)
			Cancellation, postponement, or rejection of expansion projects	
			Denial or rejection of investment proposal	
			Reduction in the size of capital investments	
			Return on specific investments negatively impacted	
			Other	
experie and pro	enced an oduction	y act effo	ual negative effects on its grow rts (including efforts to develop of imports of in-scope HFC blen	nentSince January 1, 2013, has your firm th, ability to raise capital, or existing development a derivative or more advanced version of the ds and components from China?
	∐ No		YesMy firm has experi	enced actual negative effects as follows:
		(ch	neck as many as appropriate)	(please describe)
			Rejection of bank loans	
			Lowering of credit rating	
			Problem related to the issue of stocks or bonds	
			Ability to service debt	

Other

U.S.	Producers'	/Blenders'	/Reclaimers C)uestionnaire –	HFC Blends and	Components	from China (F)

III-17.	Anticipated effects of importsDoes your firm anticipate any negative effects due to imports of
	in-scope HFC blends and components from China?

No	Yes	If yes, my firm anticipates negative effects as follows:

III-18.	Other explanations.—If your firm would like to further explain a response to a question in Part III that did not provide a narrative box, please note the question number and the explanation in the space provided below. Please also use this space to highlight any issues your firm had in providing the data in this section, including but not limited to technical issues with the MS Word questionnaire.

PART IV.-- PRICING AND MARKET FACTORS

Further information on this part of the questionnaire can be obtained from Michele Breaux (202-205-2781, michele.breaux@usitc.gov).

IV-1. <u>Contact information</u>.--Please identify the individual that Commission staff may contact regarding the confidential information submitted in part IV.

Name	
Title	
Email	
Telephone	
Fax	

PRICE DATA

IV-2. This question requests quarterly quantity and value data for your firm's commercial shipments to unrelated U.S. customers since January 1, 2013 of the following products produced by your firm.

Product 1.-- R-410A in bulk containers (1,000 lbs. or greater);

Product 2.-- R-410A in 25-lb. disposable tanks or cylinders;

Product 3.-- R-404A in 24-lb. disposable tanks or cylinders;

Product 4.-- R-407C in 25-lb. disposable tanks or cylinders;

Product 5.-- R-32 in bulk containers (1,000 lbs. or greater);

Product 6.-- R-125 in in bulk containers (over 1,000 lbs. or greater).

Please note that values should be <u>f.o.b.</u>, <u>U.S.</u> <u>point of shipment</u> and should not include U.S.-inland transportation costs. Values should reflect the *final net* amount paid to your firm (i.e., should be net of all deductions for discounts or rebates).

During January 2013-December 2015, did your firm produce and sell to unrelated U.S. customers any of the above listed products (or any products that were competitive with these products)?

YesPlease complete the following pricing data table(s) as appropriate.
NoSkip to question IV-3.

Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the price data, as Commission staff may contact your firm regarding questions on the price data. The Commission may also request that your company submit copies of the supporting documents/records (such as sales journal, invoices, etc.) used to compile these data.

IV-2a. Price data.--Report below the quarterly price data¹ for pricing products² produced and sold by your firm.

Report data in actual pounds and actual dollars (not 1,000s).

_		(Quantity in	pounds, value in	dollars)	_	
	Product 1		Produ	ıct 2	Product 3	
Period of shipment	Quantity	Value	Quantity	Value	Quantity	Value
2013:						
January-March						
April-June						
July-September						
October-						
December						
2014:						
January-March						
April-June						
July-September						
October-						
December						
2015:						
January-March						
April-June						
July-September						
October-						
December						

f.o.b. your firm's U.S. point of shipment.

NoteIf your firm's product does not exactly meet the product specifications but is competitive with the specified product	uct,
provide a description of your firm's product. Also, please explain any anomalies in your firm's reported pricing data.	

Product 1:

Product 2:

Product 3:

² Pricing product definitions are provided on the first page of Part IV.

IV-2a. **Price data.**—Continued

Product 5: Product 6:

Report below the quarterly price data¹ for pricing products² produced and sold by your firm.

Report data in actual pounds and actual dollars (not 1,000s).

		(Quantity in	pounds, value in	dollars)		
	Product 4		Prod	uct 5	Product 6	
Period of shipment	Quantity	Value	Quantity	Value	Quantity	Value
2013:						
January-March						
April-June						
July-September						
October- December						
2014:						
January-March						
April-June						
July-September						
October-						
December						
2015:						
January-March						
April-June						
July-September						
October-						
December						
1 Net values (i.e., gro f.o.b. your firm's U.S. poi 2 Pricing product def NoteIf your firm's prod	int of shipment. finitions are provic	led on the first p	age of Part IV.			
provide a description of		•	•	•		-
Product 4:						

IV-2b.	<u>Pricing data methodology.</u> —Please describe the method and the kinds of documents/records
	that were used to compile your price data.

IV-2c. <u>Price data component country-of-origin</u>.--Report below the average share of total quantity of each individual in-scope HFC blend pricing products' (e.g., products 1 through 4) input HFC components by source.

	Percer (Janu			
Product	Domestic components ¹ (percent)	Components imported from China ¹ (percent)	Components imported from all other sources¹ (percent)	Total (should sum to 100.0% across in each row)
Product 1 - R-410A in bulk containers (1,000 lbs. or greater)				0.0
Product 2 - R-410A in 25-lb. disposable tanks or cylinders				0.0
Product 3- R-404A in 24-lb. disposable tanks or cylinders				0.0
Product 4- R-407C in 25-lb. disposable tanks or cylinders				0.0

¹ Count as domestic any inputs used by your firm with swapped merchandise if your firm gave its own domestic product for a component of foreign origin (knowingly or unknowingly). Count as foreign any inputs used by your firm (even if the actual component used was produced in the United States) if your firm procured the domestic component pursuant to swap arrangement in which you gave imported components.

IV-3. **Price setting.-**-How does your firm determine the prices that it charges for sales of in-scope HFC blends and/or in-scope HFC components (*check all that apply*)? If your firm issues price lists, please submit sample pages of a recent list.

	Transaction by transaction	Contracts	Set price lists	Other	If other, describe
In-scope HFC components					
In-scope HFC blends					

IV-4.

IV-5.

		Quantity discount	y vol	al total lume ounts	No discount policy	Other	Describe
	oe HFC onents		[
In-scope HFC blends			[
1	and/or in-sc		Net 30	? Net 60	2/10 net 30		cope HFC blends
	In-scope I		days	days	days	Other	Other (specify
	In-scope I blends	HFC					
)	blends	sis are your	•			ope HFC ble	ends and/or in-scop
1	blends On what bas	sis are your	•	(check on			ends and/or in-scop
	blends On what bas	sis are your nents usual	ly quoted ((check on	e)?		

IV-6. <u>Contract versus spot.</u>—Approximately what share of your firm's sales of its U.S.-produced inscope HFC blends and/or in-scope HFC components in 2015 was on a (1) long-term contract basis, (2) annual contract basis, (3) short-term contract basis, and (4) spot sales basis?

		Type of sale							
Share of 2014 sales	Long-term contracts (multiple deliveries for more than 12 months)	Annual contracts (multiple deliveries for 12 months)	Short-term contracts (multiple deliveries for less than 12 months)	Spot sales (for a single delivery)	Total (shoul sum t 100.09	ld o			
In-scope HFC components	%	%	%	%	0.0	%			
In-scope HFC blends	%	%	%	%	0.0	%			

IV-7. Contract provisions.—

(a) <u>In-scope HFC components.</u>--Please fill out the table regarding your firm's typical sales contracts for U.S.-produced <u>in-scope HFC components</u> (or check "not applicable" if your firm does not sell on a long-term, short-term and/or annual contract basis).

Typical sales contract provisions	Item	Short-term contracts (multiple deliveries for less than 12 months)	Annual contracts (multiple deliveries for 12 months)	Long-term contracts (multiple deliveries for more than 12 months)
Average contract duration	# of days		365	
Price renegotiation	Yes			
(during contract period)	No			
	Quantity			
Fixed quantity and/or price	Price			
	Both			
Meet or release	Yes			
provision	No			
Not applicable				

IV-7. Contract provisions--Continued

(b) <u>In-scope HFC blends.--</u>Please fill out the table regarding your firm's typical sales contracts for U.S.-produced in-scope <u>HFC blends</u> (or check "not applicable" if your firm does not sell on a long-term, short-term and/or annual contract basis).

Typical sales contract provisions	Item	Short-term contracts (multiple deliveries for less than 12 months)	Annual contracts (multiple deliveries for 12 months)	Long-term contracts (multiple deliveries for more than 12 months)
Average contract duration	# of days		365	
Price renegotiation	Yes			
(during contract period)	No			
	Quantity			
Fixed quantity and/or price	Price			
ana, or price	Both			
Meet or release	Yes			
provision	No			
Not applicab	le			

IV-8. <u>Lead times.</u>—What is your firm's share of sales from inventory and produced to order and what is the typical lead time between a customer's order and the date of delivery for your firm's sales of its U.S.-produced in-scope HFC blends and/or in-scope HFC components?

Source	Share of 2015 sales	Lead time (average number of days)		
In-scope HF	C components			
From inventory	%			
Produced to order	%			
Total (should sum to 100.0%)	0.0 %			
In-scope	HFC blends			
From inventory	%			
Produced to order	%			
Total (should sum to 100.0%)	0.0 %			

facility.

(a)	What is the approximate percentage of the total delivered cost of U.Sproduced inscope HFC blends and/or in-scope HFC components that is accounted for by U.S. inland transportation costs? percent
(b)	Who generally arranges the transportation to your firm's customers' locations? Your firm Purchaser (check one)
(c)	Indicate the approximate percentage of your firm's sales of in-scope HFC blends and/or in-scope HFC components that are delivered the following distances from its production

Distance from production facility	Share
Within 100 miles	%
101 to 1,000 miles	%
Over 1,000 miles	%
Total (should sum to 100.0%)	0.0 %

IV-10. <u>Geographical shipments.--</u> In which U.S. geographic market area(s) has your firm sold its U.S.-produced in-scope HFC blends and/or in-scope HFC components since January 1, 2013 (check all that apply)?

Geographic area	√ if applicable
NortheastCT, ME, MA, NH, NJ, NY, PA, RI, and VT.	
MidwestIL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI.	
Southeast.—AL, DE, DC, FL, GA, KY, MD, MS, NC, SC, TN, VA, and WV.	
Central Southwest.—AR, LA, OK, and TX.	
Mountains.—AZ, CO, ID, MT, NV, NM, UT, and WY.	
Pacific Coast.–CA, OR, and WA.	
Other.—All other markets in the United States not previously listed, including AK, HI, PR, and VI, among others.	

IV-11. End uses.—

(a) <u>End use industries</u>.--For 2015, report the quantity of U.S. commercial shipments of your firm's U.S. produced in-scope HFC blends by end use.

		2015				
	R-404A	R-407A	R-407C	R-410A	R-507A	Total commercial U.S. shipments
End-use application			Quantity (short tons)		
Residential a/c units and heat pumps						0
Commercial a/c units						0
Commercial refrigeration units						0
Transport refrigeration units						0
Process refrigeration units						0
Other ¹						0
Total commercial U.S. shipments	0	0	0	0	0	0
¹ Explain the other end uses:						

<u>RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY</u>.-- Data in question II-12 should reconcile with data reported in this question, (i.e., the reconciliations below should return zero, "0"). If the reconciliations are not returning zero, please revise the inconsistency in the data prior to submission of the completed questionnaire to the Commission.

Reconciliation	R-404A	R-407A	R-407C	R-410A	R-507A	Total
Should equal zero ("0"), if not						
revise here (or question II-12).	0	0	0	0	0	0

IV-11. End uses.—Continued

(b) <u>Cost share.--</u>For each end-use product, what percentage of the <u>total cost</u> is accounted for by in-scope HFC blends and other inputs?

	Share of total cost o	Total		
End use product	product In-scope HFC blends Other inputs		(should sum to 100.0% across)	
Residential a/c units and heat pumps	%	%	0.0 %	
Commercial a/c units	%	%	0.0 %	
Commercial refrigeration units	%	%	0.0 %	
Transport refrigeration units	%	%	0.0 %	
Process refrigeration units	%	%	0.0 %	
Other ¹	%	%	0.0 %	
¹ Explain the other end us	ses:			

IV-12.	Substitutes.—
--------	---------------

components?

(a)

2.

3.

No YesPlease fill out the table.							
	In-scope HFC component	Renlace	ect ement?	• •	substitu	ute aff	in the price of this ected the price for components?
Substitute	replaced	No	Yes	needed.	No	Yes	Explanation

Component substitutes.-- Can other products be substituted for in-scope HFC

U.S. Producers'/Blenders'/Reclaimers Questionnaire – HFC Blends and Components from China (F) Page 56									
IV-12. <u>Substitutes</u> .—Continued									
(b) <u>Blend substitutes.</u> Can other products be substituted for in-scope HFC blends?									
☐ No ☐ YesPlease fill out the table.									
			In-scope HFC blend		ect ement?	Explain, noting if any changes to equipment are		ute aff	in the price of this ected the price for pe blends?
	Substit	ute	replaced	No	Yes	needed.	No	Yes	Explanation
1.									

IV-13. <u>Demand trends.</u>-- Indicate how demand within the United States and outside of the United States (if known) for in-scope HFC blends and/or in-scope HFC components has changed since January 1, 2013. Explain any trends and describe the principal factors that have affected these changes in demand.

2.

3.

Market	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explanation and factors			
	In-scope HFC components							
Within the United States								
Outside the United States								
In-scope HFC blends					ds			
Within the United States								
Outside the United States								

	.,			1
No	Yes	If yes, plea	ise descrii	pe and quantify if possible.
Conditions	of comp	oetition		
bu of	siness cy	cles (other t tion distincti	han gener	ends and/or in-scope HFC components subject to ral economy-wide conditions) and/or other conditions ope HFC blends and/or in-scope HFC components?
Check all	that app	ly.		Please describe.
In-sco				ope HFC components
□ No				
		usiness cycl onal business	_	
		ther distinctions		
			ln-	scope HFC blends
	No			
		usiness cycl onal busines	_	
		ther distinc		
				s in the business cycles or conditions of competition the HFC components since January 1, 2013?
		No	Yes	If yes, describe.
In-scope I				
		1		1

IV-16.	Supply constraintsHas your firm refused, declined, or been unable to supply in-scope HFC
	blends and/or in-scope HFC components since January 1, 2013 (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, been unable to meet
	timely shipment commitments, etc.)?

	No	Yes	If yes, please describe.
In-scope HFC components			
In-scope HFC blends			

IV-17. Raw materials.--How have raw material prices for in-scope HFC blends and in-scope HFC components changed since January 1, 2013?

Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explain, noting how raw material price changes have affected your firm's selling prices for inscope HFC blends and in-scope HFC component.

IV-18. <u>Interchangeability.--</u>Are in-scope HFC blends and/or in-scope HFC components 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

		In-scope HFC	Components	In-scope HFC blends		
Counti	ry-pair ¹	China	Other Countries	China	Other Countries	
In-scope	United States					
HFC Components	China					
In-scope	United States					
HFC blends	China					

¹Country comparisons between products of the United States, China, and other countries should be made on a component by component or blend by blend basis.

For any country-pair producing products that is *sometimes* or *never* interchangeable, identify the country-pair and explain the factors that limit or preclude interchangeable use:

IV-19. **Factors other than price.**--Are differences other than price (*e.g.*, quality, availability, transportation network, product range, technical support, *etc.*) between in-scope HFC blends and/or inscope HFC components produced in the United States and in other countries a significant factor in your firm's sales 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 ¹		In-scope HFC	Components	In-scope HFC blends		
		China	Other Countries	China	Other Countries	
In-scope	United States					
HFC Components	China					
In-scope	United States					
HFC blends	China					

¹ Country comparisons between products of the United States, China, and other countries should be made on a component by component or blend by blend basis.

For any country-pair producing products that is *sometimes* or *never* interchangeable, identify the country-pair and explain the factors that limit or preclude interchangeable use:

IV-20. <u>Customer identification.</u>--List the names and contact information for your firm's 10 largest U.S. customers for in-scope HFC blends and/or in-scope HFC components since January 1, 2013. Indicate the share of the quantity of your firm's total shipments of in-scope HFC blends and components that each of these customers accounted for in 2015.

C	Customer's name	Contact person	Email	Telephone	City	State	Share of 2105 sales (%)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

U.S. Producers'/Blenders'/Reclaimers Questionnaire – HFC Blends and Components from C	China	(F
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IV-21. Competition from imports	IV-21.	Com	petition	from	imports.
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(a) <u>Lost revenue</u>.--Since January 1, 2013: To avoid losing sales to competitors selling inscope HFC blends and/or in-scope HFC components from China, did your firm:

	No	Yes
Reduce prices		
Roll back announced price increases		

(b) <u>Lost sales.</u>—Since January 1, 2013: Did your firm lose sales of in-scope HFC blends and components to imports of in-scope HFC blends and/or in-scope HFC components from China?

No	Yes

IV-22.	Other explanationsIf your firm would like to further explain a response to a question in Part IV
	that did not provide a narrative response box, please note the question number and the
	explanation in the space provided below. Please also use this space to highlight any issues your
	firm had in providing the data in this section, including but not limited to technical issues with
	the MS Word guestionnaire.

PART V.—ADDITIONAL PRODUCT INFORMATION

- V-1. <u>Semi-finished analysis</u>.--For each of the following individual HFC components, provide the requested assessments. If you do not have the knowledge to be able to respond this question, please leave it blank.
 - (a) <u>Uses in addition to in-scope HFC blend production</u>.--Indicate whether each individual HFC component is dedicated to the production of in-scope HFC blends or has uses in addition to the production of downstream in-scope HFC blends. If there are uses for an individual HFC component other than for the production of in-scope HFC blends, please list these other uses. If any in-scope HFC component can be sold as an individual component, provide that information in the explanation section of the table below.

HFC component	No Dedicated	YesOther uses	Explanation (if yes)Describe the other uses
R-32			
R-125			
R-143a			
R-134a (out-of-scope)			

(b) <u>Differences in markets</u>.--Are the markets for HFC components, to the degree that the individual HFC components are sold commercially, separate and/or distinct from the market(s) for the downstream <u>in-scope HFC blends</u>? If there are differences in the markets, please describe them in the space provided. (If there are no markets for the individual HFC component, leave blank).

HFC component	NoSimilar market(s)	Yes Separate/ distinct market(s)	Explanation (if yes)Describe the differences
R-32			
R-125			
R-143a			
R-134a (out-of-scope)			

V-1.	Semi-finished	analysis	Continued
ν-т.	Jenn-Innsneu	allalvsis.	(.0)111111111111111111111111111111111111

(c) <u>Similar physical characteristics and functions</u>.--Are there distinct physical characteristics and functions of HFC components and the <u>in-scope HFC blends</u>?

HFC component	No.— Similar	Yes.— Distinct	Explanation (if yes).—Describe the distinct physical characteristics and functions
R-32			
R-125			
R-143a			
R-134a (out-of-scope)			

(d) <u>Differences in price or value</u>.--Are there differences in the price for or value of the individual HFC components and the the downstream <u>in-scope HFC blends</u>?

HFC component	No.— Similar price/value	Yes.— Divergent price/value	Explanation (if yes).—Describe the differences in and drivers of price/value
R-32			
R-125			
R-143a			
R-134a (out-of-scope)			

V-1. **Semi-finished analysis**.—*Continued*

(e) <u>Extensive process to convert to in-scope HFC blend</u>.--Is the process to create a in-scope HFC blend from the individual HFC component extensive and/or complicated?

HFC component	No.— Simple	Yes.— Extensive/ complicated	Explanation (if yes).—Describe the complexities of creating a in-scope HFC blend
R-32			
R-125			
R-143a			
R-134a (out-of-scope)			

Fully compa	parable or the ar; somewhat liarity with pro	whether in-scope HF same, i.e., have no conparable or similad ducts. If there are dictored refrigerant blen	lifferentiation betwe ar; never or not-at-a ifferences between i	een them; mostly co Il comparable or sim ndividual in-scope H	omparable on nilar; or no HFC blends
Fully compa Please provicharacteristi (b) Interior	<u>Characteris</u>	stics and UsesHow	or comparable are in-	scope HFC blends ar	
Please provional provious prov	refrigerant	blends in physical ch	naracteristics and en	d uses?	
Please provional provious prov		Mostly	Somewhat	Not at all	
characteristi (b) <u>Inte</u> refri	/ comparable	comparable	comparable	comparable	NA/no fan
characteristi (b) <u>Inte</u> refri		П			
refri	se provide a na acteristics and	arrative discussion fo <u>uses</u> :	or the comparability	ratings you provided	d in terms
Fully	•		or the comparability	ratings you provided	d in terms (
	acteristics and		itutable are in-scope		
•	Interchang refrigerant	uses: geabilityHow subst	itutable are in-scope	e HFC blends and ou	ut-of-scope
	Interchang refrigerant	uses: (eabilityHow substitute blends in the same and mostly)	itutable are in-scope application? Somewhat	e HFC blends and ou	ut-of-scope
	Interchang refrigerant	uses: geabilityHow subst	itutable are in-scope	e HFC blends and ou	

V-2.	Comparability	of in-scope	HFC blends v	s out-of-scop	e refrigerar	nt blendsC	ontinued
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(c)	Manufacturing facilities, production processes, and production employeesAre in-
	scope HFC blends and out-of-scope refrigerant blends manufactured using the same
	facilities, the same inputs, the same machinery and equipment, and the same
	employees?

employees?								
		Somewhat the	Not at all the					
Fully the same	Mostly the same	same	same	NA/no familiarity				
Please provide a narrative discussion for the comparability ratings you provided in terms of their manufacturing processes:								
through w	hich in-scope HFC b	npare the channels of lends and out-of-sco	pe refrigerant blen					
	Mostly	Somewhat	Not at all					
Fully comparable	comparable	comparable	comparable	NA/no familiarity				
Please provide a narrative discussion for the comparability ratings you provided in terms of their channels of distribution :								

V-2.	Comparability	of in-scope	e HFC blends v	s out-of-sco	pe refrigera	ant blends.	Continued
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(e)	<u>Customer and producer perceptions</u> How do customers and producers view the
	comparability of in-scope HFC blends and out-of-scope refrigerant blends in the market
	(e.g., sales/marketing practices, end uses)?

	Mostly	Somewhat	Not at all					
Fully comparable	comparable	comparable	comparable	NA/no familiarity				
Please provide a narrative discussion for the comparability ratings you provided in terms of their customer and producer perceptions:								
(f) <u>Price</u> Are refrigerant	•	or different for in-sc	ope HFC blends and	l out-of-scope				
	Mostly	Somewhat	Not at all					
Fully comparable	comparable	comparable	comparable	NA/no familiarity				
Please provide a narrative discussion for the comparability ratings you provided in terms of their prices:								

V-3. Additional product info: Out-of-scope refrigerant blends.--Report your firm's production capacity, production, shipments, inventories, and financial data related to out-of-scope refrigerant blends (including but not limited to out-of-scope HFC, HCFC/CFC, or HFO blends) in its U.S. establishment(s) during the specified periods. Quantity are being requested in POUNDS not short tons due to lower volume of merchandise in this category.

OUT-OF-SCOPE REFRIGERANT BLENDS

Quantity (pour	nds) and value (in \$	51,000)	
		Calendar years	
Item	2013	2014	2015
Average production capacity ¹ (quantity) (A)			
Beginning-of-period inventories (quantity) (B)			
Production (quantity) (C)			
U.S. shipments: Commercial shipments: ² Quantity (D)	0	0	0
Value (E)	0	0	0
Internal consumption: Quantity (F)			
Value ³ (G)			
Transfers to related firms: Quantity (H)			
Value ³ (I)			
Export shipments: ⁴ Quantity (J)			
Value (K)			
End-of-period inventories ⁴ (quantity) (L)			
Net sales quantities			
Net sales value			
Cost of goods sold (value)			
Gross profit or (loss) (value)	0	0	0
SG&A expenses (value)			
Operating income or (loss) (value)	0	0	0
Capital expenditures (value)			
Research and development expenses (value)			
Net end of period assets (value)			
¹ The production capacity reported is based on operative methodology used to calculate production capacity Internal consumption and transfers to related firms uses a different basis for valuing these transactions, ple data using that basis for each of the periods noted above Identify your firm's principal export markets:	, and explain any cha s must be valued at fa ease specify that basis	nges in reported capacithir market value. In the	ty event that your firm

<u>RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.</u>--Generally, the data reported for the end-of-period inventories (i.e., line L) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., line C), less total shipments (i.e., lines D, F, H, and J). Please ensure that any differences are not due to data entry errors in completing this form, but rather actually reflect your firm's records; and also provide any likely explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.

		Calendar years	
Reconciliation	2013	2014	2015
B + C - D - F - H - J - L = should equal			
zero ("0") or provide an explanation. ¹	0	0	0
¹ Explanation if the calculated fields above are	returning values other than	zero (i.e., "0") but are none	theless accurate:

V-4. <u>Channels of distribution</u>.--Report your firm's commercial U.S. shipments of <u>out-of-scope</u> refrigerant blends by channel of distribution.

OUT-OF-SCOPE REFRIGERANT BLENDS

Qu	antity (<i>pounds</i>) and va	alue (<i>in \$1,000</i>)				
	Calendar years					
Item	2013	2014	2015			
Channels of distribution:						
Commercial U.S. shipments:						
Sold to Sold to distributors						
and service companies and/or						
to equipment owners/end						
<u>users</u> :						
Quantity (V)						
Value (W)						
Sold to blenders/repackagers:						
Quantity (X)						
Value (Y)						
Sold to original equipment						
<u>manufacturers</u> :						
Quantity (Z)						
Value (AA)						

V-5. <u>Individual out-of-scope refrigerant blends reported in question V-3 and V-4.</u>--Please check which out-of-scope refrigerant blends accounted for the data reported by your firm in question V-3 and V-4.

					. —		
	R-407B			R-422A			R-442A
	R-407D			R-422B			R-444A
	R-407E			R-422C			R-445A
	R-407F			R-422D			R-448A
	R-408A			R-422E			R-449A
	R-410B			R-423A			R-449B
	R-413A			R-424A			R-450A
	R-416A			R-425A			R-451A
	R-417A			R-426A			R-451B
	R-417B			R-427A			R-452A
	R-417C			R-428A			R-453A
	R-419A			R-434A			R-454A
	R-419B			R-437A			R-454B
	R-420A			R-438A			R-504
	R-421A			R-439A			R-512A
	R-421B			R-440A			R-513A
	Other out-of-sco	pe refri	igerant blend	ds ¹			
1						-	

¹ Please name the individual out-of-scope refrigerant blends not otherwise provided in the list above that are included in questions V-3 and V-4 _____.

- V-6. Comparability of out-of-scope HFC component R-134a with either in-scope HFC components or in-scope HFC blends. -- For each of the following indicate whether out-of-scope HFC component R-134a and either in-scope HFC components or in-scope HFC blends are: fully comparable or the same, i.e., have no differentiation between them; mostly comparable or similar; somewhat comparable or similar; never or not-at-all comparable or similar; or no familiarity with products. If there are differences between R-134a and either in-scope HFC components or in-scope HFC blends, please provide that information in the narrative fields.

Comparison	Fully comparable	Mostly comparable	Somewhat comparable	Not at all comparable	NA/no familiarity
R-134a vs in-scope HFC omponents					
-134a vs in-scope HFC lends					
		How substitutable		•	2
con	nponents or in-sc Fully		the same applicates Somewhat	Not at all	NA/no familiarity
Comparison -134a vs in-scope	nponents or in-sc Fully	ope HFC blends in Mostly	the same applicates Somewhat	Not at all	NA/no
con	nponents or in-sc Fully	ope HFC blends in Mostly	the same applicates Somewhat	Not at all	NA/no

V-6.	Comparability of out-of-scope HFC component R-134a with either in-scope HFC components
	or in-scope HFC blendsContinued

(c)	Manufacturing facilities, production processes, and production employeesAre
	R-134a and either in-scope HFC components or in-scope HFC blends manufactured
	using the same facilities, same inputs, same machinery and equipment, and same
	employees?

en	npioyees?				
Comparison	Fully the same	Mostly the same	Somewhat the same	Not at all the same	NA/no familiarity
R-134a vs in-scope HFC components					
R-134a vs in-scope HFC blends					
(d) <u>Ch</u>	vide a narrative distring processes: annels of distriburough which R-134 Id (i.e., sold direct	tion Compare th a and either in-sc	e channels of dist	ribution/market si	tuation
Comparison	Fully comparable	Mostly comparable	Somewhat comparable	Not at all comparable	NA/no familiarity
R-134a vs in-scope HFC components					
R-134a vs in-scope HFC blends					
·	vide a narrative di f distribution:	scussion for the co	omparability rating	gs you provided in	terms of their

V-6.	Comparability of out-of-scope HFC component R-134a with either in-scope HFC components
	or in-scope HFC blendsContinued

(e)	<u>Customer and producer perceptions</u> How do customers and producers view the
	comparability of R-134a and either in-scope HFC components or in-scope HFC blends in the
	market (e.g., sales/marketing practices, end uses)?

Comparison	Fully comparable	Mostly comparable	Somewhat comparable	Not at all comparable	NA/no familiarity			
R-134a vs in-scope HFC components								
R-134a vs in-scope HFC blends								
Please provide a narrative discussion for the comparability ratings you provided in terms of their customer and producer perceptions: (f) PriceAre prices comparable or different for R-134a and either in-scope HFC components or in-scope HFC blends?								
Comparison	Fully comparable	Mostly comparable	Somewhat comparable	Not at all comparable	NA/no familiarity			
R-134a vs in-scope HFC components								
R-134a vs in-scope HFC blends								
Please pro <i>prices</i> :	ovide a narrative di	scussion for the co	omparability rating	gs you provided in	terms of their			

Note.--Part II-8 included data on swaps, commercial shipments, internal consumption, transfers to related firms, export shipments, and inventories of R-134a. Data reported in question V-7a below should generally correspond to the same data reported in part II-8.

V-7a. Operations on out-of-scope HFC component R-134a.--Report the revenue and related cost information requested below on the out of scope HFC component R-134a operations of your firm's U.S. establishment(s), as well as corresponding capital expenditures and R&D expenses. Do not report resales of products. Transfers to related firms, internal consumption, and swaps (from the perspective of relevant R-134a given up in exchange) must be valued at fair market value. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for your firm's three most recently completed fiscal years. If your firm was involved in out of scope HFC component R-134a tolling operations (either as the toller or as the tollee), please contact David Boyland at (202)708-4725 before completing this section of the questionnaire.

Quantity (in short tons) and value (in \$1,000)				
		Fiscal years ended		
Item	2013	2014	2015	
Net sales quantities: ²				
Commercial sales ("CS")	0	0	0	
Transfers to related firms ("Transfers")	0	0	0	
Internal consumption ("IC")	0	0	0	
Swaps	0	0	0	
Total net sales quantities	0	0	0	
Net sales values: ²				
Commercial sales	0	0	0	
Transfers to related firms	0	0	0	
Internal consumption	0	0	0	
Swaps	0	0	0	
Total net sales values	0	0	0	
Cost of goods sold (COGS): ³ Raw materials	0	0	0	
Direct labor	0	0	0	
Other factory costs ⁴	0	0	0	
Total COGS	0	0	0	
Gross profit or (loss)	0	0	0	
Selling, general, and administrative (SG&A) expenses:				
Selling expenses	0	0	0	
General and administrative expenses	0	0	0	
Total SG&A expenses	0	0	0	
Operating income (loss)	0	0	0	
Other expenses and income: Interest expense	0	0	0	
All other expense items	0	0	0	
All other income items ⁴	0	0	0	
Net income or (loss) before income taxes	0	0	0	
Depreciation/amortization included above	0	0	0	

Table continued on following page.

V-7a. Operations on out-of-scope HFC component R-134a.--Continued

¹ Include only relevant revenue items (whether domestic or export) and costs related to your U.S. manufacturing operations.

associated with CS, Transfers, IC, and swaps (i.e., the relevant cost of R-134a given up in exchange and recognized in COGS).

⁴ Please report relevant by-product revenue related to R-134a component operations as an offset to other factory costs, as opposed to a component of other income.

Capital expenditures	0	0	0
Research and development expenses	0	0	0

² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire.

³ To the extent applicable (and whether associated with domestic or export revenue items), COGS should include costs associated with CS. Transfers, IC, and swaps (i.e., the relevant cost of R-134a given up in exchange and recognized in COGS)

V-7b. Operations on out-of-scope HFC component R-134a – U.S. commercial shipments and exports only ("open market sales").--Report the revenue and related cost information requested below on the out of scope HFC component R-134a operations of your firm's U.S. establishment(s). Include both domestic and export commercial sales of the out of scope HFC component R-134a your firm produced, but do not report resales of products. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for your firm's three most recently completed fiscal years. If your firm was involved in out of scope HFC component R-134a tolling operations (either as the toller or as the tollee), please contact David Boyland at (202)708-4725 before completing this section of the questionnaire.

Quantity (in short tons) and value (in \$1,000)				
	Fiscal years ended			
ltem	2013	2014	2015	
Net sales quantities: ²				
Commercial sales ("CS")	0	0	0	
Net sales values: ²				
Commercial sales	0	0	0	
Cost of goods sold (COGS): ³				
Primary raw materials	0	0	0	
Direct labor	0	0	0	
Other factory costs ⁴	0	0	0	
Total COGS	0	0	0	
Gross profit or (loss)	0	0	0	
Selling, general, and administrative (SG&A) expenses:				
Selling expenses	0	0	0	
General and administrative expenses	0	0	0	
Total SG&A expenses	0	0	0	
Operating income (loss)	0	0	0	
Other expenses and income:				
Interest expense	0	0	0	
All other expense items	0	0	0	
All other income items	0	0	0	
Net income or (loss) before income taxes	0	0	0	
Depreciation/amortization included above	0	0	0	

¹ Include only relevant revenue items (whether domestic or export) and costs related to your U.S. manufacturing operations.

Note -- The table above contains calculations that will appear when you have entered data in the MS Word form fields.

² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding shipment quantities and values reported in Part II of this questionnaire. Commercial sales quantities and commercial sales values reported here will be populated from data entered into question V-7a.

³ COGS (whether for domestic or export sales) should include costs associated with open market sales only. Costs associated with input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records.

⁴ Please report relevant by-product revenue as an offset to other factory costs, as opposed to a component of other income.

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://www.usitc.gov/investigations/701731/2016/hydrofluorocarbon_blends_and_components_china/final.htm

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: 1279

• E-mail.—E-mail the MS Word questionnaire to joanna.lo@usitc.gov; include a scanned copy of the signed certification page (page 1). Please note that submitting your questionnaire by e-mail may subject your firm's business proprietary information to transmission over an unsecure environment and to possible disclosure. If you choose this option, the Commission warns you that any risk involving possible disclosure of such information is assumed by the submitter and not by the Commission.

If your firm <u>does not</u> produce or reclaim HFC blends, HFC components, and/or other refrigerant blends in the United States, 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 (202-205-1803). 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.