(d) ☐ Less than 10%

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### U.S. Department of Energy Energy Information Administration

### Form EIA-63A

#### ANNUAL SOLAR THERMAL COLLECTOR MANUFACTURERS SURVEY

This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections, see the sanction provision and the provisions concerning the confidentiality of information in the Instructions. Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.

	THE REPORTING PERIOD FOR	THIS SURVEY IS THE CALENDAR YEAR	
1.0 <b>IDE</b>	For glossary and instructio	ns, please refer to the instructions for this form.	
(a) S (b) (c) S	spondent Identification: <company name=""> t Address of Principal Business Office Street Address:  City:  State/U.S. territory or possession:  Zip Code:</company>	<company id=""> Current Address of Preparer's Office (If different than princ (a) Street Address: (b) City: (c) State/U.S. territory or possession: (d) Zip Code:</company>	·
submis (a) F (b) 7 (c) 7 (d) F		(a) Preparer's Name:(b) Title:(c) Telephone:(d) Fax:(e) E-mail:(e)	
2.1 Dur (a) (b) (b) (c) (c) (d) (f)	NUFACTURING STATUS  ring the current reporting period, did your company:  Manufacture and ship solar thermal collectors?  Cease manufacturing but continue to ship solar thermal collectors and ship solar thermal collectors?  Manufacture and export solar thermal collectors?	(Mark as appropriate)  □ Yes □ No  tors? □ Yes □ No □ Yes □ No □ Yes □ No □ Yes □ No emainder of this form. If you answered "No" to all parts of question 2.1,	places complete questions 2.5
& 7.0 an 2.2 If yo	nd submit this form electronically using EIA's secure Internet Data Colli ou answered "No" to all parts of question 2.1, do you plan to r	nanufacture, import, export, or ship solar thermal collectors in s, when? (year)   Yes   No	
Ma	rk the appropriate box or boxes to indicate all the solar-relater rk only those that apply to your solar-related activities.  Collector manufacturing Collector or system design Prototype collector development Prototype systems development Wholesale distribution Retail distribution Installation Manufacture of system-components other than those use Other (describe):	d activities in which your company was engaged during the su	rvey year.
(a) (b) (c) (d) (e) 3.3 Ple ————————————————————————————————————	ou are planning to introduce a new solar-related product in the  Low-Temperature Collector  Medium-Temperature Collector  High-Temperature Collector  Noncollector Solar System Components  Other (describe):  ase enter the number of person-years expended in your componers person-years (For clarification of "person-year" see the set percentage of your company's total sales revenue do solated 90 - 100%  50 - 89%  10 - 49%	pany in solar-related activities during the survey year. e instructions.)	

4.0 SOLAR THERMAL COLLECTOR-DATA. For each type of collector manufactured or imported, and shipped, enter the data for this reporting period. **COLLECTOR TYPE** Medium Low Temperature High Temperature Other Temperature Total (Specify) (Liquid and Air) Air Liquid Parabolic Dish/ Metallic and Integral Collector Flat Plate All Medium Concentrator **Evacuated Tube** Trough Storage/ Nonmetallic Temperature (pumped) CLFR/Heliostat # Thermosiphon ITEM (a) (b) (c) (d) (e) (f) (g) (h) (i) 4.1 Total Collector Shipments (square feet) 4.2 Total Value of Collector Shipments in 4.1 (dollars) 4.3 Average Thermal Performance Rating of Collector in 4.1 (Btu/(ft² day) 4.4 Domestic Shipments by Sector (square feet) (1) Residential (2) Commercial (3) Industrial (4) Electric Power (5) Transportation (6) Total domestic shipments by sector\* 4.5 Domestic Shipments by End Use (square feet) (1) Pool heating (2) Hot water (3) Space heating (4) Combined space and water heating (5) Space cooling (6) Process heating (7) Electricity generation (8) Total domestic shipments by end use\* 4.6 Imports (square feet of total in 4.1) 4.7 Exports (square feet of total in 4.1)

#Item 4.0 column (g): Please see specific instructions and the glossary at http://www.eia.doe.gov/cneaf/solar.renewables/page/forms/instr63a.pdf

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<sup>\*</sup> Domestic shipments equal to total collector shipments in item 4.1 minus exports in item 4.7.

# 4.8 List of Country(ies) of Origin for Imports in 4.6 and Shipments (Square Feet)

# 4.9 List of Country(ies) of Destination for Exports in 4.7 and Shipments (Square Feet)

Country	Shipments (Square Feet)
	(Square Feet)
Total	

Country	Shipments (Square Feet)
Total	

		•				
		(Domes	tic Shipments)			
a) Expor	rters					
o) Whole	esale Distributors					
,						
) Retail	Distributors					
l) Install	lers					
e) End-L	Jsers					
<u>TOTAL</u>						
SYSTE	MS DATA					
Of the	collector shipments reported in a	uestion 4.1 (ii	), how many complete systems wer	a chinnad	(number of eveteme)?	
Oi tile t	collector shipments reported in q	uestion 4. i (i	), now many complete systems wer	e snippeu	(Hullibel of Systems)?	
	collector shipments reported in q	uestion 4.1 (i	), enter the square footage that was	sold as part	of complete systems	_(squar
).						
What w	as the value of complete system	ns shipped in	question 5.1	(dollars	3)?	
Pleas collect or pos	ctors manufactured in the State/U	J.S. territory or re imported fr	or possession in which you manufac r possession listed below under Cod om another country, please indicate	e 01-78, this i	ndicates manufacture from the Stat	e/U.S. te
Pleas collect or pos	se check the box for each State/Uctors manufactured in the State/Ussession. If some collectors we tithe country of import in questio  Collectors Imported or Manufactured	J.S. territory or re imported fr	r possession listed below under Cod	e 01-78, this i	ndicates manufacture from the Stat	e/U.S. te
Pleas collect or pos about	se check the box for each State/Uctors manufactured in the State/Ussession. If some collectors we tithe country of import in questio  Collectors Imported or Manufactured	J.S. territory or re imported fr n 4.8. State	r possession listed below under Cod om another country, please indicate Collectors Imported or Manufactured	e 01-78, this i under Code ( State	ndicates manufacture from the Stat 00 the square footage imported and Collectors Imported or Manufactured	e/U.S. te
Pleas collector post about State Code	se check the box for each State/Uctors manufactured in the State/Ussession. If some collectors we tithe country of import in questio  Collectors Imported or Manufactured in the State (Square Feet)	J.S. territory or re imported fron n 4.8. State Code	r possession listed below under Cod om another country, please indicate Collectors Imported or Manufactured in the State (Square Feet)	e 01-78, this i under Code ( State Code	ndicates manufacture from the Stat 20 the square footage imported and Collectors Imported or Manufactured in the State (Square Feet)	e/U.S. te
Pleas collector postabout  State Code	se check the box for each State/Lotors manufactured in the State/Lossession. If some collectors we to the country of import in question Collectors Imported or Manufactured in the State (Square Feet)	J.S. territory or re imported fron 4.8.  State Code	r possession listed below under Cod om another country, please indicate Collectors Imported or Manufactured in the State	e 01-78, this i under Code ( State Code	ndicates manufacture from the Stat 00 the square footage imported and Collectors Imported or Manufactured in the State (Square Feet)  Oregon	e/U.S. te
Pleas collector postabout	se check the box for each State/Uctors manufactured in the State/Ussession. If some collectors we tithe country of import in question.  Collectors Imported or Manufactured in the State (Square Feet)  Imported	J.S. territory or re imported fron 4.8.  State Code  22 □ 23 □ 24 □	r possession listed below under Codom another country, please indicate  Collectors Imported or Manufactured in the State (Square Feet)  Louisiana  Maine  Maryland	State Code	ndicates manufacture from the Stat 00 the square footage imported and Collectors Imported or Manufactured in the State (Square Feet)  Oregon Pennsylvania	e/U.S. te
Pleas collector postabout  State Code  In I	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question.  Collectors Imported or Manufactured in the State (Square Feet)  Imported	State   Code	com another country, please indicate  Collectors Imported or Manufactured in the State (Square Feet)  Louisiana  Maine  Maryland  Massachusetts	State Code	Collectors Imported or Manufactured in the State (Square Feet)  OregonPennsylvaniaRhode IslandSouth CarolinaSouth Carolina	e/U.S. te
Pleas collector postabout  State Code  In Al	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question.  Collectors Imported or Manufactured in the State (Square Feet)  Imported Isabama Isaska Irizona Irrizona I	State   Code	com another country, please indicate  Collectors Imported or Manufactured in the State (Square Feet)  Louisiana  Maine  Maryland  Massachusetts  Michigan	State Code  41 □ 42 □ 44 □ 45 □ 46 □	Collectors Imported or Manufactured in the State (Square Feet)  Oregon Pennsylvania Rhode Island South Dakota  South Dakota	e/U.S. te
Pleas collector postabout  State Code  In   A     A    A    A    A    A    A	se check the box for each State/Lectors manufactured in the State/Lessession. If some collectors we tend the country of import in question.  Collectors Imported or Manufactured in the State (Square Feet)  Imported Isabama Isabama Isaka Irizona Irrkansas Isalifornia	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Maryland Massachusetts Michigan Minnesota	State Code  41 □ 42 □ 44 □ 45 □ 46 □ 47 □	Collectors Imported or Manufactured in the State (Square Feet)  Oregon Pennsylvania Rhode Island South Dakota Tennessee	e/U.S. te
Pleas collector postabout  State Code  In A  2    A  4    A  5    A  6    C  8    C	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tended the country of import in question and control or Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maryland Massachusetts Michigan Minnesota Mississippi	State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas	e/U.S. te
Pleas collector postabout  State Code  O	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tended the country of import in question or Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Maryland Massachusetts Michigan Minesota Mississippi Missouri	State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah	e/U.S. te
Pleas collector postabout  State Code  O	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question and the State (Collectors Imported or Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Massachusetts Michigan Minnesota Mississippi Missouri Montana	State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  OregonPennsylvaniaRhode IslandSouth Carolina_South DakotaTennesseeTexasUtahVermont	e/U.S. te
Pleas collector postabouting State Code  State Code  O	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question and the State (Collectors Imported or Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska	State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  OregonPennsylvania_ Rhode Island_ South Carolina_ South Dakota_ Tennessee_ Texas_ Utah_ Vermont_ Virginia_ Do the square footage imported and and and and and and and and and an	e/U.S. te
Pleas collector potaboution  State Code  O	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question and the State (Collectors Imported or Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Massachusetts Michigan Minnesota Mississippi Missouri Montana	State Code  State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  OregonPennsylvaniaRhode Island_South Carolina_South Dakota_Tennessee_ TexasUtahVermont_Virginia_Washington	e/U.S. te
Pleas collector postabout  State Code  O	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question of Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada	State Code  State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah Vermont Virginia Washington	e/U.S. te
Pleas collector postabout  State Code  O	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question.  Collectors Imported or Manufactured in the State (Square Feet).  Imported Islabama Islaska Islaska Islabama Islaska Islabama Islaska Islabama Islaska Islabama Islaska Islabama Islaska	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Mexico	State Code  State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah Vermont Virginia Washington West Virginia	e/U.S. ted
Pleas collectory post about	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we the country of import in question and the State (Collectors Imported or Manufactured in the State (Square Feet) and the State (	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska New Hampshire New Jersey New Mexico New York	State Code	Collectors Imported or Manufactured in the State (Square Feet)  Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah Vermont Virginia Washington West Virginia Wyoming American Samoa	e/U.S. ted
Pleas collector postabout	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question of Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina	State Code  State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  OregonPennsylvaniaRhode IslandSouth CarolinaSouth DakotaTennesseeTexasUtahVermontVirginiaWashingtonWest VirginiaWisconsinWyomingAmerican SamoaGuamGood footback and f	e/U.S. te
Pleas collector postabout  State Code  0	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tended the country of import in question of Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota	State Code  State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  OregonPennsylvaniaRhode IslandSouth CarolinaSouth DakotaTennesseeTexasUtahVermontVirginiaWashingtonWest VirginiaWisconsinWyomingAmerican SamoaGuamPuerto RicoPunder deficed from Manufactured in the State (Square Feet)  OregonPennsylvaniaRough South Carolina	e/U.S. te
Pleas collect or post about	se check the box for each State/Letors manufactured in the State/Lessession. If some collectors we tend the country of import in question and the State (Collectors Imported or Manufactured in the State (Square Feet)  Imported	State   Code	Collectors Imported or Manufactured in the State (Square Feet)  Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota	State Code  State Code  41	Collectors Imported or Manufactured in the State (Square Feet)  OregonPennsylvaniaRhode IslandSouth CarolinaSouth DakotaTennesseeTexasUtahVermontVirginiaWashingtonWest VirginiaWisconsinWyomingAmerican SamoaGuamGood footback and f	e/U.S. te

4.10 Domestic Shipments by Customer Type (square feet).

6.2 Please check the box for each State/U.S. territory or possession to which you shipped/exported. Report the square footage of your company's collectors shipped to the State/U.S. territory or possession listed below under Code 01-78, this indicates shipments to the State/U.S. territory or possession. If some collectors were exported to another country, please indicate under Code 00 the square footage exported and report details about the country of export in question 4.9.

Sta Co	FF	State Code	Collectors Exported or Shipped to a State (Square Feet)	State Code	Collectors Exported or Shipped to a State (Square Feet)
00 🗆	Exported	_ 22 □	Louisiana	_ 41 🗆	Oregon
01 🗆	Alabama	_ 23 □	Maine	_ 42 🗆	Pennsylvania
02 □	Alaska	24 □	Maryland	_ 44 🗆	Rhode Island
04 □	Arizona	25 □	Massachusetts	_ 45 □	South Carolina
05 □	Arkansas	26 □	Michigan	_ 46 □	South Dakota
06 □	California	27 □	Minnesota	_ 47 □	Tennessee
08 □	Colorado	28 □	Mississippi	_ 48 🗆	Texas
09 □	Connecticut	. 29 □	Missouri	_ 49 🗆	Utah
10 □	Delaware	30 □	Montana	50 🗆	Vermont
11 □	D.C		Nebraska	_ 51 🗆	Virginia
12 □	Florida	32 □	Nevada	_ 53 □	Washington
13 □	Georgia	33 □	New Hampshire	_ 54 🗆	West Virginia
15 □	Hawaii	34 □	New Jersey	_ 55 🗆	Wisconsin
16 □	ldaho	35 □	New Mexico	_ 56 🗆	Wyoming
17 □	Illinois		New York	_ 60 🗆	American Samoa
18 □	Indiana		North Carolina	_ 66 🗆	Guam
19 □	lowa		North Dakota	_ 72 🗆	Puerto Rico
20 □	Kansas		Ohio	_ 78 🗆	Virgin Islands (U.S.)
21 🗆	Kentucky		Oklahoma		Other U.S. territory or possession (Specify)

Total						

7.0 **COMMENTS** – Enter comments in the space provided.