Form Approved OMB No. 1905-0196 Expires: 11/30/2010

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 T	HIS SURVEY	' IS THE CA	LENDAR Y	EAR	
1 0 IDE	For glossary and instructions	s, please refer to	the instructio	ns for this forn	1.	
1.0 106	INTIFICATION DATA					
Curren	spondent Identification: <company name=""> t Address of Principal Business Office Street Address:</company>		ss of Preparer		erent than principal addr	
(b) (City:	(b) Citv:				
(c) S (d) 2	State/U.S. territory or possession: Zip Code:	(c) State/U (d) Zip Cod	.S. territory or le:	possession:		
	ovide the name, title, and contact information for the principal pe	eople in your co	mpany to whor	n questions sh	ould be addressed regar	ding this
submis I (a)	sion. Preparer's Supervisor Name:	(a) Prepare	r's Name			
(b) -	Fitle:	(b) Title:	1 5 Nume			
(c) T	Title: Felephone:	(c) Telepho	ne:			
(d) I (e) I	Fax: E-mail:	(d) Fax: (e) E-mail: __				
2.0 MA	NUFACTURING STATUS					
	ring the current reporting period, did your company:			(Mark as ap		
` '	Manufacture and ship solar thermal collectors?			□ Yes	□ No	
	Cease manufacturing but continue to ship solar thermal collector	ors?		□ Yes	□ No	
	mport and ship solar thermal collectors?			□ Yes	□ No	
(d) I	Manufacture and export solar thermal collectors?			□ Yes	□ No	
Note: If & 7.0 ar	you answered "Yes" to any part of question 2.1, please complete the ren nd submit this form electronically using EIA's secure Internet Data Collec	mainder of this forn ction (IDC) system.	n. If you answere	ed "No" to all par	ts of question 2.1, please co	mplete questions 2.2
2.2 If y	ou answered "No" to <i>all</i> parts of question 2.1, do you plan to ma	anufacture, impo			nal collectors in the future □ No	e?
3.0 MA	NUFACTURER AND MARKETING DATA	, wileii:	(year)	□ 1 C S	□ INO	
Ma	rk the appropriate box or boxes to indicate all the solar-related ark only those that apply to your solar-related activities.	activities in whic	ch your compa	ny was engage	ed during the survey year	r.
` '	□ Collector manufacturing□ Collector or system design					
(c)	□ Prototype collector development					
(d)	□ Prototype systems development□ Wholesale distribution					
(e) (f)	□ Retail distribution					
(i) (g)	□ Installation					
(9) (h)	☐ Manufacture of system-components other than those used	for collector ass	embly			
(i)	□ Other (describe):					
3.2 If y	ou are planning to introduce a new solar-related product in the	next calendar ye	ear, please che	eck the approp	riate box.	
(a)	□ Low-Temperature Collector					
(b)	□ Medium-Temperature Collector					
(c)	☐ High-Temperature Collector					
(d)	□ Noncollector Solar System Components					
(e)	□ Other (describe):					
3.3 Ple	ase enter the number of person-years expended in your compa person-years (For clarification of "person-year" see the		ed activities d	uring the surve	ey year.	
3.4 Wh	at percentage of your company's total sales revenue do solar-	related activities	s compose?			
(a)	□ 90 - 100%					
(b)	□ 50 - 89%					
(c)	□ 10 - 49%					

EIA-63A

(d) ☐ Less than 10%

4.0 SOLAR THERMAL COLLECTOR-DATA. For ea	ach type of collector	manufactured or i	mported, and shipped	d, enter the data fo	r this reporting peri	od.				
	COLLECTOR TYPE									
	Low Temperature	Medium Temperature					High Temperature	Other	Total	
	(Liquid and Air)	Air		Lic	remperature	(Specify)	lotai			
	Metallic and Nonmetallic	All Medium Temperature	Integral Collector Storage/ Thermosiphon	Flat Plate (pumped)	Concentrator	Evacuated Tube	Parabolic Dish/ Trough			
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)										

^{*} 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	

EIA-63A Page 3

		Square f	ieet		
		(Domest	tic Shipments)		
a) Exporter	rs ·				
n) Wholesa	ale Distributors				
•					
) Retail Di	stributors				
d) Installers	3				
e) End-Use	ers				
<u>TOTAL</u>					
SYSTEMS	S DATA				
Of the coli	lector chinments reported in a	upetion 4.1 (i)), how many complete systems wer	e chinned	(number of systems)?
Of the con	iector shipments reported in q	juestion 4. i (i,), now many complete systems wer	e sriippeu	(fluffiber of systems)?
	lector shipments reported in q	uestion 4.1 (i)), enter the square footage that was	s sold as part	of complete systems(squa
).					
What was	the value of complete system	ns shipped in o	question 5.1	(dollars	s)?
collector or posse	rs manufactured in the State/L	J.S. territory or re imported fr	r possession listed below under Coo	de 01-78, this i	ed. Report the square footage of your conndicates manufacture from the State/U.S. 00 the square footage imported and report
collector or posse	rs manufactured in the State/Lession. If some collectors we	J.S. territory or re imported fr	r possession listed below under Coo	de 01-78, this i	ndicates manufacture from the State/U.S.
collector or posse about th	rs manufactured in the State/Lession. If some collectors we be country of import in question Collectors Imported or Manufactured	J.S. territory or tre imported fron n 4.8.	r possession listed below under Coc om another country, please indicate Collectors Imported or Manufactured	de 01-78, this i e under Code (State	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured
collector or posses about the State Code	rs manufactured in the State/Lession. If some collectors we be country of import in question. Collectors Imported or Manufactured in the State (Square Feet)	J.S. territory or ere imported fron 4.8. State Code	r possession listed below under Coc om another country, please indicate Collectors Imported or Manufactured in the State (Square Feet)	de 01-78, this i e under Code (State Code	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet)
collector or posse about th State Code Impo Alab	rs manufactured in the State/Lession. If some collectors we be country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22 □ 23 □	r possession listed below under Cocom another country, please indicate Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine	State Code State Code 41 □ 42 □	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania
collector or posses about th State Code Impo Alab	rs manufactured in the State/Lession. If some collectors we be country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22 □ 23 □ 24 □	r possession listed below under Cocom another country, please indicate Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Maryland	State Code 41 □ 42 □ 44 □	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania Rhode Island
collector or posses about the State Code	rs manufactured in the State/Lession. If some collectors we be country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22 □ 23 □ 24 □ 25 □	com another country, please indicate Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Maryland Massachusetts	State Code	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania Rhode Island_ South Carolina
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we be country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22 □ 23 □ 24 □ 25 □ 26 □	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 □	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania Rhode Island South Carolina South Dakota
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we be country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22 □ 23 □ 24 □ 25 □ 26 □ 27 □	Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Maryland Massachusetts Michigan Minnesota	State Code 41 □ 42 □ 44 □ 45 □ 46 □ 47 □	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22 □ □ 23 □ □ 24 □ □ 25 □ □ 26 □ □ 27 □ □ 28 □	Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi	State Code 41	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22	Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Maryland Massachusetts Michigan Minesota Mississippi Missouri	State Code 41	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we be country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22	Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Massachusetts Michigan Minnesota Mississippi Missouri Montana	State Code State Code 41	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania_ Rhode Island_ South Carolina_ South Dakota_ Tennessee_ Texas_ Utah_ Vermont_
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22	Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Maryland Massachusetts Michigan Minesota Mississippi Missouri	State Code	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania Rhode Island_ South Carolina_ South Dakota_ Tennessee_ Texas Utah Vermont_ Virginia
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22	Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire	State Code State Code 41	ndicates manufacture from the State/U.S. 00 the square footage imported and repor 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
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22	Collectors Imported or Manufactured in the State (Square Feet) Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey	State Code State Code 41	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah Vermont Virginia Washington Wisconsin
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22	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	ndicates manufacture from the State/U.S. 20 the square footage imported and reported or Manufactured in the State (Square Feet) OregonPennsylvania
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted pama ska ona ansas fornia orado necticut aware dida urgia urgia	J.S. territory or re imported fron 4.8. State Code 22	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 State Code 41	ndicates manufacture from the State/U.S. 00 the square footage imported and repor Collectors Imported or Manufactured in the State (Square Feet) OregonPennsylvania
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or pre imported from 4.8. State Code 22	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	ndicates manufacture from the State/U.S. 200 the square footage imported and reported or Manufactured in the State (Square Feet) OregonPennsylvaniaRhode IslandSouth CarolinaSouth DakotaTennesseeTexasUtahVermontVirginiaWashingtonWest VirginiaWisconsinWyomingAmerican SamoaGuamGarmaGarmaGarmaGarma
collector or posses about the State Code 0	rs manufactured in the State/Lession. If some collectors we see country of import in question Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or re imported fron 4.8. State Code 22	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	ndicates manufacture from the State/U.S. 00 the square footage imported and repor 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 Wisconsin Wyoming American Samoa Guam Puerto Rico
collector or posses about the State Code D	rs manufactured in the State/Lession. If some collectors we see country of import in question. Collectors Imported or Manufactured in the State (Square Feet) orted	J.S. territory or ire imported fron 4.8. State Code 22	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 (1	ndicates manufacture from the State/U.S. 200 the square footage imported and reported or Manufactured in the State (Square Feet) OregonPennsylvaniaRhode IslandSouth CarolinaSouth DakotaTennesseeTexasUtahVermontVirginiaWashingtonWest VirginiaWisconsinWyomingAmerican SamoaGuamGarmaGarmaGarmaGarma

4.10 Domestic Shipments by Customer Type (square feet).

EIA-63A Page 4

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	P	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 □	Idaho	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.

EIA-63A Page 5