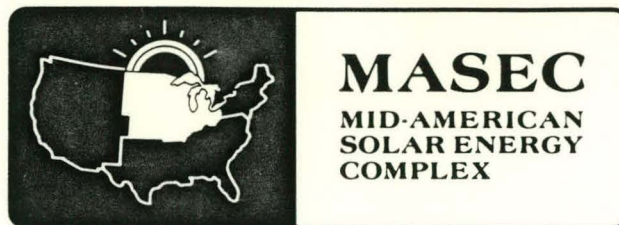


MASTER



Quarterly Report of Solar Federal Buildings Program in the MASEC Region

Topical Report

June 1981

Prepared for

U.S. Department of Energy

Under Contract No. DE-AC02-79CS30150

Submitted by

Mid-American Solar Energy Complex

8140 26th Avenue South

Minneapolis, Minnesota 55420

A-104-6

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Quarterly Report of Solar Federal Buildings
Program in the MASEC Region

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Topical Report
June 1981

Mid-American Solar Energy Complex
8140 26th Avenue South
Minneapolis, Minnesota 55420

Prepared for the
U.S. Department of Energy
Division of Conservation and Renewable Energy
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QUARTERLY REPORT OF SOLAR FEDERAL BUILDINGS PROGRAM IN THE MASEC REGION

INTRODUCTION

The objectives of the Solar Federal Building Program (SFBP) are to:

- encourage rapid commercialization of solar energy systems in the federal and private sector
- establish a federal leadership role in supporting the use of feasible solar products and systems
- expand the solar industry, and increase consumer experience with and confidence in solar products and systems
- obtain maintenance and operating experience with solar energy systems
- lower solar system and installation costs through the continued development and refinement of solar technology

MASEC's role in the SFBP has been to provide support in marketing the program within the 12-state MASEC REGION. Specifically, MASEC is responsible for providing support in 2 major program areas: 1) Data Information Systems, which include project data, program data publications and listings; 2) Market Development, which includes barriers, market analysis training/technical information, candidate identification and program information.

MASEC SFBP Action

MASEC staff members contacted agencies coordinating the Solar Federal Buildings Program within the 12-state MASEC region (Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin).

MASEC identified those projects where (see Attachment I)

- (a) construction has been completed,
- (b) projects have been cancelled,
- (c) projects where solicitations for bids have been completed, and
- (d) projects where bids are expected to be solicited.

MASEC requested SFBP agencies with projects in the MASEC region to submit all information available about the projects that the agencies are coordinating. As information is received from the SFBP agencies coordinating bid solicitations, MASEC works through its outreach organizations to encourage solar contractors from the MASEC region to submit competitive bids. These organizations are State Solar offices, which are affiliated with each State Energy Agency or its equivalent, and State Solar Resource Advisory Panels which are composed of professional individuals, corporations and associations in the solar community (see Attachment II). Utilizing their communication networks, these agencies and organizations inform the solar industry of the specific SFBP projects. MASEC also provides information to the solar industry directly through special mailings.

SFBP Short Course

MASEC has also disseminated information on a SFBP Short Course that will take place in St. Paul, Minnesota, August 17-21, 1981. A letter with information about the SFBP Short Course was sent to the State Solar offices and the Solar Resource Advisory Panels (see Attachment III). Material was also sent via a special mailing to 1400 solar energy industry professionals in the MASEC region.

ILLINOIS

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
Stanley Vachta Dole Argonne National Labs 900 South Cass Avenue Argonne, IL 60439 (312) 972-5241	(5-6028) Argonne	(IDH - EVACUATED TUBES) They solicited and received bids for evaporated tubes and contracting the work to be completed. Bids deadline was in May. They are waiting for the funds to be transferred from DOE before they make final award.
David Mead Headquarters AAFES/ENC P.O. Box 222305 Dallas, TX 75222 (214) 330-3801	(5-1336) Belleville	(DHW) They will send out a proposal soliciting bids during week of June 22.
Hank Hinterberger P.O. Box 500 Batavia, IL 60510 (312) 840-3394	(5-8227) Batavia	(Passive Solar) Contract granted. Project is expected to be completed by August 1 and will be within budget.
Bernard (Ben) La Rocca Terry Maloy 230 South Dearborn Street Chicago, IL 60604 (312) 353-1128	(5-1675) E. St. Louis	(DHW) Soliciting proposals from A and E firms to do project. Commerce Business Daily will have information around week of July 13.

INDIANA

PROGRAM COORDINATOR

PROPOSAL #

PROJECT STATUS

Bernard LaRocca/5PBI
230 South Dearborn Street
Chicago, IL 60604
(132) 353-1128

(5-1674)
Gary, IN

(DHW)
Soliciting proposals
from A and E firms to
do project - Commerce
Business Daily will
have information
around week of July 13.

"

(5-1673)
Jeffersonville

(DHW)
Soliciting proposals
from A and E firms to
do project - Commerce
Business Daily will
have information
around week of July 13.

IOWA

PROGRAM COORDINATOR

John Flemming
1500 East Bannister Road
Kansas City, MO 64131
(816) 926-5294

PROPOSAL #

(7-1666)
Fort Dodge

PROJECT STATUS

(DHW)
Design is being developed in house and will be reviewed by NASA. They expect to be soliciting bids for construction around September.

(7-1665)
Iowa City

(DHW)
Design is being developed in house and will be reviewed by NASA. They expect to be soliciting bids for construction around September.

KANSAS

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
John Flemming 1500 East Bannister Road Kansas City, MO 64131 (816) 926-5294	(7-4008) Abilene	(DHW) They will develop the design for the project "in-house" for NASA to review. They expect to solicit bids for construction in October.
"	(7-4014) Kansas City	(DHW) NASA is reviewing the design for the project now. They anticipated soliciting bids for construction in August.
"	(7-1664) Leavenworth	(DHW) NASA is reviewing the design for the project now. They anticipated soliciting bids for construction in August.
"	(7-1663) Topeka	(DHW) NASA is reviewing the design for the project now. They anticipated soliciting bids for construction in August.
David Mead Headquarters AAFES/ENC P.O. Box 222305 Dallas, TX 75222 (214) 330-3803	(7-1337) Leavenworth	(DHW) They will be soliciting bids within a couple of weeks.
		(Space and H ₂ O heating with air collector)
Archie Gatrost 601 East 12th Street Kansas, MO 64106 (816) 374-2934	(7-4018) Paola	They are doing the design for the project "in-house". It is now before DOE for final review. They expect to solicit bids by July 1.

MICHIGAN

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
Bernard LaRocca 230 South Dearborn Street Chicago, IL 60604 (312) 353-1128	(5-1670) Grand Rapids	(DHW) Soliciting proposals from A and E firms. Commerce Business Daily will have info around week of July 13.
Nick Stratton Detroit Arsenal Warren, MI 48090 (313) 574-5154	(5-1750) Warren	(DHW - space and H ₂ O heating also IPM application) Unable to contact.

MINNESOTA

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
Bernard LaRocca 230 Dearborn Street Chicago, IL 60604 (312) 353-1128	(5-1671) Bemidji	(DHW) Soliciting proposals from A and E firms to do the project. Commerce Business Daily will have info around week of July 13.
"	(5-1669) Mpls.	(DHW) Soliciting proposals from A and E firms to do the project. Commerce Business Daily will have info around week of July 13.
"	(5-1672) Mpls.	Canceled because of shading problems.
D. Lindroth P.O. Box 1660 Minneapolis, MN 55111 (612) 425-3465	(5-4032) Mpls.	(Space and H ₂ O heat- ing with evacuated tube collectors) Unable to contact.

MISSOURI

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
John Flemming 1500 East Bannister Road Kansas City, MO 64131 (816) 926-7655	(7-1662) Hannibal	(DHW) They are developing the design for this project "in-house". To be reviewed by NASA. They plan to solicit bids for construction in October.
"	(7-4012) Overland	(DHW) They are developing the design for this project "in-house". To be reviewed by NASA. They plan to solicit bids for construction in October.
Mike Eckart Department of Energy FCM Division P.O. Box 5400 Albuquerque, NM 87115 (505) 264-8836	(7-6026) Kansas City	(IPH-concentrating collectors) (Preheat Oil) Unable to contact.

NEBRASKA

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
John Flemming 1500 East Bannister Road Kansas City, MO 64131 (816) 926-7655	(7-1661) North Platte	(DHW-space heating) They are developing the design for the project "in-house" for NASA to review. They plan to solicit bids for construction in September.
David Mead Headquarters AAFES/ENC P.O. Box 222305 Dallas, TX 75222 (214) 330-3830	(7-1342) Omaha	(DHW) They will send out proposals soliciting bids during the next couple of weeks.

NORTH DAKOTAPROGRAM COORDINATORPROPOSAL #PROJECT STATUS

George Fors
 US Custom Service Rm 410
 1301 Constitution Avenue NW
 Washington, D.C. 20227
 (202) 566-5471

(8-1737-38)
 Carburg

Bids for design and construction of the project will be solicited in late July.

"

(8-1610-11)
 Hansboro

(DHW)
 Bids for design and construction of the project are expected to be solicited in August.

"

(8-2034)
 Neche

(DHW)
 Bids for design and construction of the project are expected to be solicited in late July.

"

(8-1735-36)
 Hoonan

(DHW)
 Bids for design and construction of the project will be solicited in August.

"

(8-2035)
 Hoonan

(DHW)
 Bids for design and construction of the project will be solicited in August.

"

(8-1739-40)
 Sherwood

(DHW)
 Bids for design and construction of the project will be solicited in August.

"

(8-2036)
 Sherwood

(Space heating-flat plate collectors)

NORTH DAKOTA
(continued)

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
George Fors	(8-1741-42) Walhalla	(DHW) Bids for design and construction of the project will be solicited in August.
"	(8-1372-73) Westhope	(DHW) Award for projects made 1) \$5,000 2) \$4,855 They are using evacuated tube collectors.
"	(8-2030) Westhope	(DHW) Canceled.
Carl Swenson Public Service Building Building 41, Federal Center Denver, CO 80225 (303) 234-2646	(8-1641) Bismarck	(DHW) July 22, bid opening date.
"	(8-1640) Fargo	(DHW) July 22m bid opening date.
Richard Simmons P.O. Box 25287 655 Parfet Street Denver, CO 80225 (303) 234-6450	(8-1452-63) Medora	(DHW) Have not received info.

OHIOPROGRAM COORDINATORPROPOSAL #PROJECT STATUS

Bernard LaRocca
230 Dearborn South
Chicago, IL 60604
(312) 353-1128

(5-1667)
Dayton

(DHW)
Soliciting proposals
from A and E firms.
Commerce Business
Daily will have info
around week of July
13.

"

(5-1668)
Toledo

(DHW)
Soliciting proposals
from A and E firms.
Commerce Business
Daily will have info
around week of July
13.

N.J. Pleimann
Mound Facility
Miamisburg, OH 45342
(513) 865-3600

(5-2010)
Miamisburg

(Space heating-flat
plate collectors)

Unable to contact.

SOUTH DAKOTAPROGRAM COORDINATORPROPOSAL #PROJECT STATUS

Carl Swenson
Public Service Building
Building 41, Federal Center
Denver, CO 80225
(303) 234-2646

(8-1636)
Aberdeen

(DHW)
July 22, bid opening
date.

"

(8-1637)
Huron

(DHW)
July 14, bid opening
date.

"

(8-1639)
Pierre

(DHW)
July 14, bid opening
date.

"

(8-1638)
Rapid City

(DHW)
July 14, bid opening
date.

Richard Simmons
P.O. Box 2528/
655 Parfet Street
Denver, CO 80255
(303) 234-6450

(8-1441-1446)
Hot Springs
Wind Cave National Park

(DHW)
Have received info.

"

(8-1578-1582)
Interior
Badland National Park

(DHW)
Have received info.

WISCONSIN

PROGRAM COORDINATOR

PROPOSAL #

PROJECT STATUS

James Lundeen
3900 South Wadsworth Blvd.
Denver, CO 80235
(303) 234-5440

(5-4065)
Madison

(Space and H₂O heating-
concentrating collector)
A proposal soliciting
bids will be sent out
within a month.

Dennis Lechniak
2000 West Pioneer Parkway
Peoria, IL 61614
(309) 671-7141

(5-4060)
Madison

(DHW-space and H₂O)
Project is complete.

SSRAP STATE CHAIRPEOPLE.

Attachment II
July, 1981

ILLINOIS

Mr. James Hartley, Chairperson
P.O. Box 526
St. Charles, IL 60174
(312) 377-9363

INDIANA

Dr. Robert E. Henderson
Chairperson, PRPB
Executive Director
Indianapolis Center for Advanced Research
1219 West Michigan
Indianapolis, IN 46202
(317) 264-4508

IOWA

Mr. Larry Bean, Chairperson
Kirkwood Community College
6301 Kirkwood Boulevard
Cedar Rapids, IA 52406
(319) 398-5592

KANSAS

Mr. Joseph T. Pajor, Chairperson
Center for Alternate Energies, Inc.
P.O. Box 1340
Dodge City, KS 67801
(316) 225-0296

MICHIGAN

Mr. Edward Kelly
Michigan Solar Energy Association
201 East Liberty Street
Ann Arbor, MI 48104
(313) 994-5650

Ms. Sandy Miller
Alternate Energy Industries Association
1955 Pauline Boulevard
Suite 300
Ann Arbor, MI 48103
(313) 665-5051

MINNESOTA

Mr. James P. Uttley
Metropolitan Council
300 Metro Square Building
St. Paul, MN 55114
(612) 291-6361

MISSOURI

Mr. Jordan Heiman, Chairperson
110 Stoney Side Lane
St. Louis, MO 63132
(314) 993-1302

NEBRASKA

Dr. Bing Chen, Chairperson
Associate Professor
School of Engineering Technology
University of Nebraska at Omaha
Engineering Building, Room 266
Omaha, NE 68101
(402) 554-2769

OHIO

Ms. Mary Tucker, Chairperson, PRPB
Environmental Library
5403 Elmer Drive
Toledo, OH 43615
(419) 537-0353 (work)
536-8365 (home)

SOUTH DAKOTA

Dr. Lyle Feisel, President, PRPB
Head-Department Electric Engineers
South Dakota School of Mines and
Technology
Rapid City, SD 57701
(605) 394-2451

WISCONSIN

Dr. Michael Ducey (President)
2253 East Washington Avenue
Madison, WI 53704
(608) 249-1934
251-4447

June, 1981

SSOC
STATE SOLAR OFFICE COORDINATORS

ILLINOIS

Mr. David Loos
Institute of Natural Resources
Alternative Energy Division
325 West Adam Street
Springfield, IL 62706
(217) 785-2766

INDIANA

Ms. Mary Failey
Indiana Department of Commerce
Energy Group
440 North Meridian Street
Indianapolis, IN 46204
(317) 232-8940

IOWA

Mr. Philip Svanoe
Iowa Energy Policy Council
Capitol Complex
Des Moines, IA 50319
(515) 281-8071

KANSAS

Mr. David Martin
Kansas Energy Office
214 W. 6th Street
Topeka, KS 66603
(913) 296-2496 or 2915

MICHIGAN

Mr. Thomas G. Heck
Department of Commerce
P.O. Box 30228
Lansing, MI 48909
(517) 373-6430

MINNESOTA

Mr. John Dunlop
Minnesota Energy Agency
980 American Center Building
150 East Kellogg Boulevard
St. Paul, MN 55101
(612) 296-4737

MISSOURI

Mr. Richard Haist
Missouri Energy Office
P.O. Box 176
Jefferson City, MO 65101
(314) 751-4000

NEBRASKA

Mr. Robert Youngberg
University of Nebraska
W-191 Nebraska Hall
Lincoln, NE 68588
(402) 472-3414

NORTH DAKOTA

Mr. John Conrad
Energy Management & Conservation
1533 North 12th Street
Bismarck, ND 58501
(701) 224-2250

OHIO

Mr. Claude Eggelton
Ohio Department of Energy
30 East Broad Street, 34th Floor
Columbus, OH 43215
(614) 466-8277

SOUTH DAKOTA

Mr. Verne Brakke
Office of Energy Policy
Capitol Lake Plaza
Pierre, SD 57501
(605) 773-3603

WISCONSIN

Ms. Bonnie Albright
Division of State Energy
101 S. Webster
8th Floor
Madison, WI 53702
(608) 266-986

The MASEC Center
Alpha Business Center
8140 26th Avenue South
Minneapolis, Minnesota 55420
(612) 853-0400

Enclosed is a brochure about a short course on solar energy and conservation for buildings for the Solar Federal Buildings Program. The program in the MASEC Region will take place in St. Paul, Minnesota; August 17-21, 1981. The objective of the program is to encourage the use of solar heating and cooling products in new buildings as well as retrofiting old buildings. The primary audience targets architects, engineers, planners and managers with an engineering background. Please make sure this information gets to the appropriate organizations and people within your state.

Serving as the Regional Solar Energy Center in 12 Mid-American states
Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin