

MASTER



MASEC
MID-AMERICAN
SOLAR ENERGY
COMPLEX

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

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U.S. Department of Energy
Division of Conservation and Renewable Energy
Under Contract DE-AC02-79CS30150

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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

PROGRAM COORDINATOR

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

PROPOSAL #

(7-4008)
Abilene

PROJECT STATUS

(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 solicit-
ing bids for con-
struction in August.

"

(7-1664)
Leavenworth

(DHW)
NASA is reviewing
the design for the
project now. They
anticipated solicit-
ing bids for con-
struction in August.

"

(7-1663)
Topeka

(DHW)
NASA is reviewing
the design for the
project now. They
anticipated solicit-
ing bids for con-
struction in August.

David Mead
Headquarters AAFES/ENC
P.O. Box 222305
Dallas, TX 75222
(214) 330-3803

(7-1337)
Leavenworth

(DHW)
They will be solicit-
ing bids within a
couple of weeks.

Archie Gatrost
601 East 12th Street
Kansas, MO 64106
(816) 374-2934

(7-4018)
Paola

(Space and H₂O heating
with air collector)
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 DAKOTA

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
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)

PROGRAM COORDINATOR

PROPOSAL #

PROJECT STATUS

George Fors

(8-1741-42)
Walhalla

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

"

(8-1372-73)
Westhope

(DHW)
Award for projects
made
1) \$5,000
2) \$4,855
They are using evacu-
ated 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.

OHIO

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
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	(DIIW) 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 DAKOTA

<u>PROGRAM COORDINATOR</u>	<u>PROPOSAL #</u>	<u>PROJECT STATUS</u>
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 25281 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

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

PROPOSAL #

(5-4065)
Madison

PROJECT STATUS

(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. Major, 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
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INDIANA

Ms. Mary Failey
Indiana Department of Commerce
Energy Group
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(317) 232-8940

IOWA

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

KANSAS

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Topeka, KS 66603
(913) 296-2496 or 2915

MICHIGAN

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Lansing, MI 48909
(517) 373-6430

MINNESOTA

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Minnesota Energy Agency
980 American Center Building
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MISSOURI

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Missouri Energy Office
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Jefferson City, MO 65101
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NEBRASKA

Mr. Robert Youngberg
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W-191 Nebraska Hall
Lincoln, NE 68588
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NORTH DAKOTA

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1533 North 12th Street
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OHIO

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Ohio Department of Energy
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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

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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

TO: SSO Coordinators

FROM: Dan Cook & Janet Deveny

DATE: June 16, 1981

RE: Solar Federal Buildings

Program - Short Course

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 retrofitting 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.

DCC/JKD/jmh
Enclosures