



980 American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
800-652-9747 (out state),
612-296-5175 (metro area)

MINNESOTA STATE SOLAR OFFICE

MINNESOTA SOLAR RESOURCES

The attached information was prepared by the Minnesota Solar Office. The lists represent to the best of our knowledge people in Minnesota who are involved in solar energy, either by providing services, products, or have established a solar related organization.

Inclusion in these lists does not constitute endorsement by our office. Our intention is merely to provide names to contact for specific solar related needs. The information will be updated every three months, as solar is a rapidly changing industry.

For more specific information, contact our office at the address or telephone number listed above.

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MINNESOTA STATE SOLAR OFFICE

MINNESOTA SOLAR ARCHITECTS

November 1979 Vol. 3

The architecture firms listed below are involved in designing active and passive solar as well as earth sheltered and underground buildings. Listing is coded as follows: RS = firms designing residential active or passive solar systems; CS = commercial solar systems; IS = industrial solar systems; RU = firms designing earth sheltered or underground residential buildings; CU = commercial underground.

Architectural Resources Inc.
704 East Howard Street
Hibbing, Minnesota 55746
218/263-6868

Ackerberg and Associates, Inc.
1016 Marquette Avenue
Minneapolis, Minnesota 55403
612/336-7781
Sanders Ackerberg

Architectural Alliance
100 Clifton Avenue
Minneapolis, Minnesota 55403
612/871-5703
Peter Pfister/Chris Johnson
RS, CS

Architecture One
1509 Penn Avenue
Brainerd, Minnesota 56401
218/829-0656
Roy Abbott
RS, RU

Armstrong, Torseth, Skold and
Rydeen, Inc., Architects
and Engineers
4901 Olson Memorial Highway
Minneapolis, Minnesota 55422
612/545-3731
Harold E. Shull

Associated Architects and
Engineers
244 Hamline Avenue South
St. Paul, Minnesota 55105
612/698-0008
Grant Peterson/Chuck Liddy
RS

Atelier 1 Architects
25 University Avenue South
St. Paul, Minnesota 55414
612/379-2648
Alexander Dekker
RS, CS

Frederick Bentz/Milo Thompson &
Associates
1234 Dain Tower
Minneapolis, Minnesota 55402
612/335-1207
Milo Thompson
CS, IS, CU

Berg & Associates
1315 Garland Lane
Wayzata, Minnesota 55391
612/473-6544
RS

Bergstedt, Wahlberg, Bergquist,
Rohkohl, Associates, Inc.
400 Sibly Street
St. Paul, Minnesota 55101
612/222-3701
Del Erickson
CS, CU

Beta² Associates
401A North Main Street, Box 453
Austin, Minnesota 55912
507/433-5834
Charles French
RS, CS

Brooks Cavin Architecture
416 Hamm Building
St. Paul, Minnesota 55102
612/224-2311

Buetow & Associates
2345 North Rice
St. Paul, Minnesota 55113
612/483-6701
Tom Dunwell
RU

Carmody and Ellison Design
1800 Englewood Avenue
St. Paul, Minnesota 55104
612/644-5991
Tomm Ellison
RS, RU

Centrum Architects, Inc.
390 Clifton Avenue
Minneapolis, Minnesota 55403
612/870-7117
Les Formell

F. M. Christianson
1912 Ryan Avenue West
Roseville, Minnesota 55113
612/646-3524
Fredrik Christianson
RS, RU

Close Associates, Inc.
3101 East Franklin Avenue
Minneapolis, Minnesota 55406
612/339-0979
Winston Close/Michael Dunn

Community Design Center
118 East 26th Street
Minneapolis, Minnesota 55404
612/827-2608
Mark Ryan

James W. Cox
Box 233
Marine on the St. Croix, MN 55047
612/433-3690
RS, RU

Criteria
100 1st Street North
Minneapolis, Minnesota 55401
612/338-4761
Jerry Allen
RS, RU, CU

Damberg & Peck Architecture
524 1st National Bank Building
Virginia, Minnesota 55792
218/741-7962

Design 7
Fargo, North Dakota
Richard Burns

Design Consortium Inc.
1012 Marquette Avenue
Minneapolis, Minnesota 55403
612/341-3601

Design Through Research, Inc.
100 North 6th Street
Minneapolis, Minnesota 55403
612/332-8433
James Morss
RS

Dickey/Kodet Architects, Inc.
4930 France Avenue South
Edina, Minnesota 55410
612/920-3993
Edward Kodet
RS, CS

ECO Systems
2328 Cromwell Drive
Minneapolis, Minnesota 55410
612/926-8174

Ellerbe Architects
One Appletree Square
Bloomington, Minnesota 55420
612/853-2000
Joseph F. Pfof
RS, CS

Arvid Elness Architects, Inc.
838 Butler Square
100 North 6th Street
Minneapolis, Minnesota 55403
612/339-5508
Paul Knutson
RS, RU, CS, CU

Richard D. Engan
Box 89 323 4th Street
Willmar, Minnesota 56201
612/235-0860
RS, RU

The Evjen Associates
Box 152
Hudson, Wisconsin 54016
715/386-2658
Richard Evjen
RS, RU

Orlen Fjelsted and Associates,
Inc.
339 River Mall East, Box 147
Northfield, Minnesota 55057
612/336-2332 or 507/645-4407
Orlen Fjelsted

Freeberg Company
4132 Colfax Avenue South
Minneapolis, Minnesota 55409
612/941-7092

Foss Engelstad Foss
28 North 3rd, Box 360
Moorhead, Minnesota 56560
218/236-1202
Royce Yeater
RS

Alfred French and Associates
314 Clifton Avenue
Minneapolis, Minnesota 55403
Alfred French
RS

Genesis Architecture
417 West Litchfield Avenue
Willmar, Minnesota 56201
612/235-8663
Phillip B. Anderson
RS, RU

Gerrish Architecture
4903 South Cedar Lake Road
Minneapolis, Minnesota 55416
612/377-4490

Howard Goltz Architecture Service
1108 Nicollet Mall
Minneapolis, Minnesota 55403
612/332-8902

Martin Gould
716 East Superior
Duluth, Minnesota 55802
218/723-8054
RS

Hammel Green and Abrahamson, Inc.
2675 University Avenue
St. Paul, Minnesota 55114
612/646-7501
CS,RS,RU

Hendrix Associates, Inc.
670 Sexton Building
Minneapolis, Minnesota 55415
612/339-7966
CS

Henningson Durham and Richardson
5401 Gamble Drive
Minneapolis, Minnesota 55416
612/544-7741

Honeywell Inc.
2600 Ridgway Parkway
Minneapolis, Minnesota 55413
612/331-4141
Jerry Mevisson
CS, IS

Horty, Elving and Associates, Inc.
505 East Grant Street
Minneapolis, Minnesota 55404
612/335-9364
James C. Elving
RS, RU

Edward J. Vogt and Associates
Suite 141, 9100 Bloomington
Freeway
Bloomington, Minnesota 55431
612/888-4459
Edward J. Vogt

Waters and Klutz
9481 Creekwood Drive
Eden Prairie, Minnesota 55344
612/941-5702
Keith Waters
RS

John Weidt and Associates
43 Olin Court
Chaska, Minnesota 55318
612/448-3863
John Weidt
RS, CS

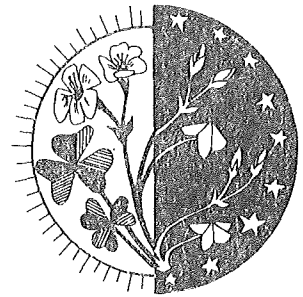
Williams/O'Brien Associates,
Inc.
45 South 9th Street
Minneapolis, Minnesota 55402
612/338-8991
James O'Brien
RS, RU

Winsor/Faricy Architects, Inc.
Skyway Building Arcade
Northwestern National Bank
Building
St. Paul, Minnesota 55101
612/227-0655
RU

Zejdlik Harmala Delapp Inc.
430 Oak Grove Street -
Suite 400
Minneapolis, Minnesota 55403
612/871-6771
Richard J. Delapp

Zuber Architects, Inc.
836 West 79th Street
Minneapolis, Minnesota 55420
612/884-6204
John Sirny
RS, CS, IS

980 American Center Building
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MINNESOTA STATE SOLAR OFFICE

Volume 4

October 1979

MINNESOTA SOLAR HOME BUILDERS

Arne Kahn
1000 Stockholm Road
Duluth, Minnesota
218/728-4820

home builder/active and
passive solar

Cedrus Creek Craftsman
Route 1
Monticello, Minnesota 55352
Scott Campbell, 612/878-2507
John Kimarek, 612/558-6130

custom home builders/passive solar

Don Christianson Building Co.
3650 Pilot Knob Road
Eagan, Minnesota 55122
612/454-4426
Don Christianson

custom home builder/passive solar

Gar-San Enterprises
544 3rd Street
Elk River, Minnesota 55330
612/441-6311
612/441-1755

home builder/active and
passive solar

Hobmar Homes, Inc.
1345 Natchez Avenue South
Minneapolis, Minnesota 55416
612/374-9450
Herbert Beatty

custom home builder/active and
passive solar

Houston Construction Inc.
13009 Diamond Path West
Apple Valley, Minnesota 55124
612/423-2925
John C. Houston

custom home builder/active solar

Jenson Construction
1207 2nd Avenue N.W.
Rochester, Minnesota 55901
507/288-1206
Mike Jenson

home builder/active and passive
solar

John Baird
Faribault, Minnesota 55021

custom homes, active and passive
hybrid

Lahmers Construction
Rochester, Minnesota 55901
507/282-1191
Don Lahmers

custom home builder/active and
passive solar, underground

Marvin H. Anderson Construction Co.
8901 Lyndale Avenue South
Bloomington, Minnesota 55420
612/881-2661
Marlin D. Grant

custom home builder/active solar

Nastrom Construction Co.
Route 1
Cambridge, Minnesota 55008
612/689-3768
Ken Nastrom

custom home designer/builder,
active and passive systems

National Homes
4501 Arnold Road
Duluth, Minnesota 55803
Gordie Roberts

distributor for National Homes

Nelson-Lewis Construction Co.
20969 Quadrant Avenue North
Scandia, Minnesota 55073
Mark C. Nelson

home builder/active solar

North Woods Builder
Route 1, Box 48A
Two Harbors, Minnesota 55616
218/525-5643

home builder/passive solar

Red Barn Realty, Inc.
Box 103
Esko, Minnesota 55733
218/879-4503
Glenn Koskj

home builder/active and passive
solar

Rochester Solar Heat
P. O. Box 433
Rochester, Minnesota 55901
507/282-3951 or 282-5590
Rick Ahren

home builder/active solar

Solar Housing Association Inc.
544 3rd Street
Elk River, Minnesota 55330
612/441-6311
Henry Griner

general contractor/active solar

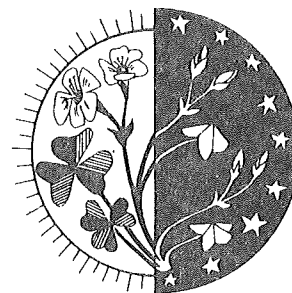
Stevens Associates
11925 Larc Industrial Boulevard
Burnsville, Minnesota 55337
612/894-5320
Steven Wasilowski

custom home builder, passive solar

SureLock Homes Inc.
36 West Central Entrance
Duluth, Minnesota 55811
Bob Skoog

custom home builder/active solar

980 American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
800-652-9747 (out state),
612-296-5175 (metro area)



MINNESOTA STATE SOLAR OFFICE

MINNESOTA SOLAR ENERGY CONSULTANTS

November 1979 Vol. 6

Bressler, Armitage, Tillman & Lunde
2002 Wesley Temple Building
Minneapolis, Minnesota
612/870-7011

architecture/engineering services

Earl Byran
151 1st Street
Minneapolis, Minnesota 55401
612/339-2520

passive solar home design and
retrofit, design for active
solar systems

Chasney Associates, Inc.
15 Florida Avenue South
Minneapolis, Minnesota 55426
612/446-3355

consulting engineers

Jeff Christianson
28 8th Street
Red Wing, Minnesota 55066
612/388-8326

solar analysis and design

Creative Alternatives
Route 1
Long Prairie, Minnesota 56347
612/332-6304
John Weber

passive solar retrofit design and
construction

Ekistic Longrange Engineering
904 West Lake Street
Minneapolis, Minnesota 55407
612/823-1267
Steve Lowe

engineering services/installer

Energy Alternatives
9535 18th Avenue North
Plymouth, Minnesota 55441
612/544-6235
Dan Flaherty

passive solar retrofit design and
construction

I.E. Associates
3704 11th Avenue South
Minneapolis, Minnesota 55407
612/825-9451
Tom Abeles

passive & active solar design for
new residential buildings

LWSM Engineers, Inc.
614 Endicott on 4th Building
St. Paul, Minnesota 55101
612/291-1293
Russel Troy

consulting engineers for residential,
commercial, industrial and medical

Don Marier
Route 2, Box 74
Milaca, Minnesota 56353
612/983-2363

wind energy design, consulting
and products

Eldow McLain
1320 27th Avenue South
Moorhead, Minnesota 56560
218/233-5853

Michaud, Cooley, Hallberg, Erickson
310 Plymouth Building
Minneapolis, Minnesota 55415
612/339-4941

consulting engineers

Oftedal, Locke, Broadston & Associates, Inc.
620 Sexton Building
7th and Portland Avenue
Minneapolis, Minnesota 55415
612/333-4341

consulting engineers

Owens Service Corporation
930 East 80th Street
Bloomington, Minnesota 55420
612/854-3868
Robert Owens

engineer/contractor for new commercial and industrial buildings

Pfeifer & Shultz/HDR, Inc.
300 Parkdale 1 Building
5401 Gamble Drive
Minneapolis, Minnesota 55416
612/544-7741

consulting engineers

Pierre Aircon Corp.
1322 Rice Street
St. Paul, Minnesota 55117
612/488-6601
R. L. Bumgardner

consulting engineer

Robert H. Schauinger
221 Montrose Place
St. Paul, Minnesota 55104
612/647-0691

solar engineer & designer for both active and passive solar homes

Henry Schipike Associates, Inc.
3101 West 69th Street
Minneapolis, Minnesota 55435
612/925-3131

consulting engineers

Scientific Sunsource Systems
5 Woodcrest Drive
Burnsville, Minnesota 55337
612/890-3480

J. Harlan Anderson

attempting to license 2 patents

Tom Smilanich
Route 3, Box 137
Goodhue, Minnesota 55027
612/923-4562

solar analysis and design

Solar Dynamics, Incorporated
371 Sibley
St. Paul, Minnesota 55101
612-225-0380

solar design for residential and commercial buildings

Solatech, Inc.
10900 Wayzata Blvd.
Minnetonka, Minnesota 55343
612/546-6235
Scott Getty

computer consulting service for solar energy analysis

Darryl Thayer and Associates
2406 Doswell Avenue
St. Paul, Minnesota 55108
612/644-5060
Darryl Thayer

solar installer/designer/engineer

Phil Willgrubs/Jim Brigham
Route #1 Island Road
Red Wing, Minnesota 55066
715/792-2162

design and construction of passive
solar greenhouses

Karen Wilson
1837 Laurel
St. Paul, Minnesota 55104
612/647-0667

passive solar retrofit design,
especially greenhouses

ADDITIONS

Bill/Connie Beard
3957 37th Av. S.
Mpls., Minn. 55406
612/722-9229

passive solar retrofit, design and construct

John Bolkcom
Rt. 3 Box 524
Delano, Mn. 55328
612/955-1591

design for active solar systems

980 American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
800-652-9747 (out state),
612-296-5175 (metro area)



MINNESOTA STATE SOLAR OFFICE

November 1979 Volume 4

LOW-COST SITE BUILT SOLAR SYSTEMS

The people listed below specialize in building low-cost solar systems. They purchase components separately and build the solar systems themselves, often assembling the collector system at the buyers home. The cost is generally less than commercially available systems, while performance varies depending on each system.

Long Prairie

Creative Alternatives
Route 1
Long Prairie, MN 56347
612/732-6304

Madelia

Feder Mobile Village
Madelia, MN 56062
507/642-3704
William Feder Sr.

Moorhead

Northern Solar Power Company
311 Elm Street
Moorhead, MN 56560
218/233-2515
Bruce or Dave Hilde

Northfield

Earth Bound Natural Energy
401 Division
Northfield, MN 55057
507/645-9471
Dave Smith

Wayzata

Goodwin Controls
1430 Ranier Lane
Wayzata, MN 55391
612/473-7888
Ralph Goodwin

980 American Center Building
150 East Kellogg Boulevard
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800-652-9747 (out state),
612-296-5175 (metro area)



MINNESOTA STATE SOLAR OFFICE

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MINNESOTA SOLAR MANUFACTURERS

Chicago Solar
Castle Rock, Minnesota 55010
507/645-9423
Lance Crombie

manufactures portable plastic
hot air solar systems which
provides supplemental daytime
space heating

Ilse Engineering
7177 Arrowhead Road
Duluth, Minnesota 55811
218/729-6858
John Ilse

manufactures a liquid drain down
combination space heating and
domestic hot water solar
system; all steel absorber
plate

Lord's Power Company
Box 37
New Richland, Minnesota 56072
507/465-3355

manufactures hot air solar
systems which provides
supplemental daytime space
heating

Minnesota Tritec, Inc.
Route 3, Box 524
Delano, Minnesota 55328
612/955-1591
Keith Knutson or Dan Bolkom

manufactures, distributes and
installs air handlers,
controls and collectors for
air solar system

Solar Enterprises, Inc.
7830 North Beach Street
Minneapolis, Minnesota 55440
612/784-7177
Edward Ditelle

manufactures liquid closed loop
systems used both for domestic
hot water and space heating

Solargizer Corporation
7317 Auto Club Road
Bloomington, Minnesota 55438
612/941-8136
David Thornberg

manufactures liquid closed loop
system for domestic hot water
and space heating; also
manufactures air system for
space heating

Solargy Corporation
7216 Boone Avenue North
Minneapolis, Minnesota 55428
612/535-0305
Vince Grimaldi

manufactures liquid closed loop
system used for both domestic
hot water and space heating

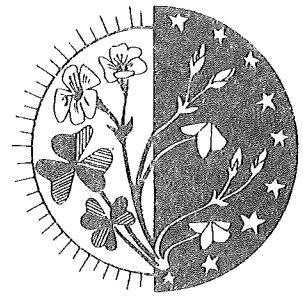
Sol-Terra, Inc.
Suite 203
6531 Cambridge Street
St. Louis Park, Minnesota 55426
612/926-6408
Mike Mottran

manufactures both liquid and air
solar systems for domestic hot
water, space heating, pool
heating or grain drying
(Bethany Solar System)

Suntec Systems
2101 Wooddale Drive
St. Paul, Minnesota 55119
612/735-7600
Jim Menke

manufactures concentrating
SLATS liquid collector

980 American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
800-652-9747 (out state),
612-296-5175 (metro area)



MINNESOTA STATE SOLAR OFFICE

October 1979

MINNESOTA SOLAR ORGANIZATIONS

Alternative Sources of Energy, Inc.
(ASE)
107 South Central
Milaca, Minnesota 56353
612/983-6392

ASE is a non-profit organization/information sharing network that emphasizes the "do-it" approach to energy alternatives. Services include publishing Alternative Sources of Energy, workshops, conferences, exhibits, information center, speakers, as well as slide, filmstrip and video tape presentations dealing with alternative energy.

Center for Local Self-Reliance
(CLSR)
3302 Chicago Avenue
Minneapolis, Minnesota 55407
612/824-6663

CLSR is a non-profit neighborhood based organization primarily involved in energy conservation. They also have done demonstration projects on solar, greenhouses, cold frames, insulating curtains and water conservation. Services include workshops, speakers, energy education materials, library, energy audits, and publishing Neighborhood Energy Watch S newsletter.

Mid-America Institute of Energy
Resource Technology, Inc.
16174 Forbes
Rosemount, Minnesota 55068
612/432-7888

This non-profit organization is involved in promoting alternative energy technology through demonstration projects and seminars.

Made up of a very broad based group of professionals.

Mid-American Solar Energy Complex
(MASEC)
1256 Trapp Road
Eagan, Minnesota 55121
612/452-5300

This private non-profit organization funded by the Federal Dept. of Energy was established to help commercialize effective, practical solar and conservation systems in the upper-midwest. Services include funding State Solar Offices and SRAP groups, initiate solar demonstration programs, publish monthly newsletter, provide speakers and exhibits, organize conferences, provide F-chart analysis, education materials, and coordinate regional solar programs.

Minnesota Community Action Programs (CAP)
6th Floor American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
612/224-1238

The over 25 Minnesota CAP groups are charged with eliminating and alleviating poverty in Minnesota. Almost every one of these groups is involved with some kind of low cost solar energy project.

Minnesota Energy Agency (MEA)
980 American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
Toll Free - 800/652-9747

The MEA maintains an Energy Information Center which offers a broad assortment of information in alternative technologies. Other Solar related activities include sponsoring design competitions and alternative energy grant programs, conferences and seminars, research reports, legislation, and program development.

Minnesota Instructional Materials Center (MIMC)
5554 White Bear Avenue
White Bear Lake, Minnesota 55110
612/770-3943
Toll Free - 800/652-9024

MIMC has a series of films, filmstrips and slide presentations dealing with energy which are available to educators throughout the state.

Minnesota Public Interest Research Group (MPIRG)
2412 University Avenue S.E.
Minneapolis, Minnesota 55414
612/376-7554

MPIRG, the state's citizen advocacy group, has offices on campuses throughout the state. Solar related services include lobbying at the Legislature and helping to organize Sun Day Minnesota.

Minnesota Solar Energy Association (MSEA)
P.O. Box 171
Minneapolis, Minnesota 55440

MSEA is the Minnesota chapter of the International Solar Energy Society. Primarily involved in supporting the development of alternative energy technologies in Minnesota. Consists mainly of architects, engineers, and solar businessmen.

Minnesota Solar Office (MSO)
980 American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
612/296-5175 (Metro)
1-800-652-9747 (Toll Free Outstate)

MSO, funded through MASEC, is charged with helping accelerate the development of solar energy in Minnesota. Primary functions include legislation, program development and information gathering and disseminating. Services include library, information center, speakers, slide shows, conferences and seminars, program development.

Solar Resources Advisory Panel (SRAP)
P. O. Box 9815
Minneapolis, Minnesota 55440

SRAP, the citizens advisory group to MASEC, is comprised primarily of professionals, activists, and governmental workers, although membership is open to anyone interested in solar. Services include publishing Solar Resources, sponsoring seminars, planning, identifying barriers to solar development, providing solar information and involvement in legislative issues.

Wright Alternative Energy Association
Box 39
Waverly, Minnesota 55390
612/658-4415 (Luke Markve)

This appropriate technology group provides practical information on building alternative energy projects.

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150 East Kellogg Boulevard
St. Paul, Minnesota 55101
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612-296-5175 (metro area)



MINNESOTA STATE SOLAR OFFICE

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MINNESOTA "SOLAR" LIBRARIES

Minnesota Energy Agency/Minnesota Solar Office
980 American Center Building
150 East Kellogg Boulevard
St. Paul, Minnesota 55101
(612) 296-5175 metro
800/652-9747 outstate
Hours: 8:00 - 4:30 Monday - Friday

Probably the most complete single source of solar information in the state. Books, periodicals and reports cover topics including: technical product data, earth sheltered housing, solar industry, government reports, appropriate technology applications, legislative affairs, activities in other states, conference proceedings as well as many others.

Books cannot be checked out, so plan to spend some time at the library. All information available through Minitex.

Energy Conservation Library
Minneapolis Public Library
300 Nicollet Mall
Minneapolis, Minnesota 55401
(612) 372-6609
Hours: 9:00 - 9:00 Monday
9:00 - 5:30 Tuesday - Saturday

A good source for general solar information. Contains a wide range of informative books and journals including "Solar Age", "Alternative Sources of Energy", "Solar Energy Digest", "Solar Energy" and "Sun at Work".

Also has a good selection of government reports and technical information on solar systems. All information available through Minitex.