

Industrial and Commercial Energy Resources

If you provide energy assessment and efficiency improvement services to industrial and commercial establishments in Arkansas, please email energyinfo@arkansasEDC.com and we will be happy to include contact information about you in this “Industrial and Commercial Energy Resources” guide. Many industries have expressed strong interest in these services. Of particular interest are: load management, peak shaving, energy audits, cogeneration potential, waste energy recovery, lighting retrofits, process energy optimization and pollution prevention measures.

Utilities and Cooperatives:

The entities listed below provide energy optimization assistance to their industrial customers and others who might become a customer. These services are provided by staff personnel and by arrangements with consultants.

Arkansas Electric Cooperative Corporation
8000 Scott Hamilton Drive, P. O. Box 194208
Little Rock, AR 72219-4208
Web: www.aecc.com

Phone: (501) 570-2200
Contact: Doug White

* Provides services in all member cooperatives to customers.

Arkansas Valley Electric Cooperative Corporation
Highway 64 West, P.O. Box 47
Ozark, AR 72949-0047
Web: www.avecc.com

Phone: (501) 667-2176
Contact: Bill Rue

Carroll Electric Cooperative Corporation
920 Highway 62 Spur, Box 4000
Berryville, AR 72616-4000
Web: www.carrollecc.com

Phone: (870) 423-2161
Contact: James Sanders

Craighead Electric Cooperative Corporation
4314 Stadium Boulevard, P.O. Box 7503
Jonesboro, AR 72403-7503
Web: www.cecc-ark.com

Phone: (870) 932-8301
Contact: Brian Duncan

Entergy Corporation, Inc.
425 West Capitol Avenue, P.O. Box 551
Little Rock, AR 72203
Web: www.entergyarkansas.com

Phone: (501) 377-4089
Contact: Jubal Smith

First Electric Cooperative Corporation
901 North First Street, P.O. Box 5018
Jacksonville, AR 72078-5018
Web: www.fecc.com

Phone: (501) 982-4545
Contact: Neal Frizzell

Ozarks Electric Cooperative Corporation
3641 Wedington Drive, P.O. Box 848
Fayetteville, AR 72702-0848
Web: www.ozarksecc.com

Phone: (501) 521-2900
Contact: Keith Kaderly

Rich Mountain Electric Cooperative, Inc.
1003 Mena Street, P.O. Box 897
Mena, AR 71953-0897
Web: www.rmec.com

Phone: (501) 394-4140
Contact: Rod Titsworth

South Central Arkansas Electric Cooperative, Inc.
1140 Main Street, P.O. Box 476
Arkadelphia, AR 71923-0475
Web: www.scaec.com

Phone: (870) 246-6701
Contact: Chuck Burrow

Southwestern Electric Power Company (AEP – SWEPCO)
101 W. Township
Fayetteville, AR 72703
Web: www.swepco.com

Phone: (479) 973-2417
Contact: Mark Mobley

Southwest Arkansas Electric Cooperative Corporation
2904 East Ninth Street, P.O. Box 1807
Texarkana, AR 75504-1807
Web: www.swrea.com

Phone: (870) 772-2743
Contact: George Wall

Woodruff Electric Cooperative Corporation
Highway 1 North, P.O. Box 1619
Forrest City, AR 72336-1619
Web: www.woodruffelectric.com

Phone: (870) 633-2262
Contact: Carl Horton

Consultant Engineers:

These private consulting firms provide a range of services that address various aspects of energy generation, optimization and use.

The Batson Bravo Engineers, PA
1300 Brookwood Drive, Suite B
Little Rock, AR 72202
Email: bravo@batson.com
Web: www.batson.com

Phone: (501) 664-3311
Contacts: Charles D. Batson
Rick Geraci

B&F Engineering, Inc.
928 Airport Road
Hot Springs, AR 71913
Email: SharonT@bnfeng.com
Web: www.bnfeng.com

Phone: (501) 767-2366
Contact: Gary Ryles

Crist Engineers, Inc
1405 North Pierce Street, Suite. 301
Little Rock, AR 72207-5357
Email: info@crisengineers.com
Web: www.crisengineers.com

Phone: (501) 664-1552
Contact: Richard Zelnick

The Fleming Companies
212 McClanahan
Bryant, AR 72089
Email: derhoads@fleminc.com
Web: www.fleminc.com

Phone: (501) 847-3090
Contact: David Rhoads

Industrial Engineering Associates, Inc.
P.O. Box 94561
North Little Rock, AR 72190

Phone: (501) 758-1171
Contact: Bill Denton

Lisco Engineering
674 Sexton Creek Road South
Heber Springs, AR 72543
Email: del@arkansas.net

Phone: (501) 250-0535
Contact: David Lesinbee

M&M Environmental Services
303 South 16th Street
Fort Smith, AR 72901

Phone: (479) 785- 5114
Contact: Bill Matthews

Pack Engineering, Inc.
425 West Capitol Avenue, Suite 325
Little Rock, AR 72201-3401
Email: packeng@aristotle.net

Phone: (501) 372-6968
Contact: Robert Pack

Partners – Memphis
P.O. Box 6363
Pearl, MS 39288

Phone: (901) 409-3588
Contact: George Walker

Pettit & Pettit Consulting Engineers, Inc.
Heritage West Building, Suite 400
201 East Markham Street
Little Rock, AR 72201-1642
Email: pettit@pettitinc.com

Phone: (501) 374-3731
Contact: Sam D. Cummings, Jr.

Poague & Associates
1031 Fayetteville Road, Suite 205
Van Buren, AR 72956
Email: customerservice@poague.com
Web: www.poague.com

Phone: (479) 414-3982
Contact: Jerry Poague

Thermasearch, Inc.
150 Toad Suck Road
Conway, AR 72032
Email: toadsack@arkansas.net

Phone: (501) 329-7972
Contact: Michael Sharlon

T L Services, Inc
4733 Kibler Road
Van Buren, AR 72956
Email: tlooper@tlservices.com
Web: www.tlservices.com

Phone: (479) 474-7222
Contact: Terry Looper

TME, Inc.
5800 Evergreen Drive, Suite A
Little Rock, AR. 72205-1757
Email: tme@tmecorp.com
Web: www.tmecorp.com

Phone: (501) 666-6776
Contact: Alan Hope

General Resources

The following are valuable resources to assist in your optimization and conservation of energy use in your facilities and processes.

Edison Electric Institute
Phone: (202) 508-5000
Fax: (202) 508-5335
Web: www.eei.org

The institutes' Web pages contain recommendations for building and equipment efficiency.

Leonardo Academy
Phone: (608) 280-0255
Fax: (608) 255-7202
Web: www.leonardoacademy.org

This non-profit organization will help you find the information and tools you need to increase efficiency of your facility.

National Association of Manufacturers (NAM)
Phone: (202) 637-3000
Fax: (202) 637-3182
Web: www.nam.org

The NAM's seeks to increase the competitiveness of manufacturers and to improve American living standards by promoting legislation conducive to economic growth, and educating the public about the importance of manufacturing to the economy.

Manufacturing Extension Partnership
National Institute of Standards and Technology
Web: www.mep.nist.gov/

The MEP is a nationwide network of resources that supports greater supply chain integration and provides access to technology for improved productivity.

Arkansas Manufacturing Solutions
Web: www.mfgsolutions.org/

The Arkansas Manufacturing Solutions is a part of the Manufacturing Extension Partnership. The AMS has helped hundreds of Arkansas manufacturers to increase sales and profits by cutting costs and improving manufacturing processes. AMS provides technical and management assistance.

The Manufacturing Extension Partnership (MEP)
Phone: (800) MEP-4MFG or 637-4634
Web: www.mep.nist.gov

The national network of not-for-profit centers advises small and medium manufacturers on energy efficiency and provides links to local resources and energy experts.

U.S. Department of Energy (DOE), Office of Industrial Technologies
Phone: (202) 586-7547
Fax: (202) 586-9233
Web: www.oit.doe.gov

DOE has many programs and resources on energy efficiency improvements.

Outsourcing Efficiency Improvements

If you want to outsource your project from beginning to end, consider using an energy savings performance contractor who is willing to develop, implement and guarantee the performance of energy efficiency improvement projects. Many equipment manufacturers, utilities, engineering firms and other companies have formed units that provide these services.

Energy Services Coalition (ESC)
1526 Chandler Street
Madison, WI 53711
Contact: Michael Arny, Executive Director, (608) 280-0255
E-mail: michaelarny@escperform.org
Web: www.escperform.org

The coalition is comprised of representatives of energy-service companies (ESCOs), facility owners, finance companies and state energy offices. Its Web site includes a guide to using energy-service companies and a listing of ESCOs serving each state.

Johnson Controls
10801 Executive Center Dr.
Little Rock, AR 72211
Contact: Melanie Hayes, (501) 537-2741
E-Mail: Melanie.A.Cranford@jci.com
Web: www.jci.com

National Association of Energy Service Companies (NAESCO)
1615 M Street, NW, Suite 800
Washington, DC 20036
Contact: Mary Lee Berger-Hughes, (202) 822-0954, Fax: (202) 822-0955
Web: www.naesco.org
NAESCO promotes the delivery of energy efficiency and other energy services by energy service companies (ESCOs).

TL Services, Inc.
P. O. Box 1672
Van Buren, AR 72957
Contact: Terry L. Looper
Phone: 479-474-7222
Email: tlooper@tlservices.com
Web: www.tlservices.com

TL Services, Inc.
P. O. Box 832
Little Rock, AR 72203
Phone: 501-399-9599
Web: www.tlservices.com

Trane
1501 Westpark Dr., Suite 9
Little Rock, AR 72204
Contact: Teri Borton
Phone: 501-661-0621
Email: tborton@trane.com
Web: www.tranearkansas.com

Bob Joblin
Joblin+Associates
P. O. Box 241522
Little Rock, AR 72223
Contact: Bob Joblin,
Phone: (501) 868-6400
Fax: (501) 868-6444
Email: joblin@sbcglobal.net

1. MOTOR & MOTOR-DRIVEN SYSTEM EFFICIENCY

U.S. Department of Energy's Office of Industrial Technology (OIT)

U.S. Department of Energy
Industrial Technologies Program, EE-2F
1000 Independence Ave, SW
Washington, DC 20585
Contact: Buddy Garland, (202) 586-7547

Web: www.oit.doe.gov/bestpractices

The OIT will work with you to improve your systems – motors, steam, compressed air, combined heat and power and process heat – plant wide. You can also obtain free, readily available software at www1.eere.energy.gov/industry/bestpractices/software.html

The software can help you evaluate and select the most efficient equipment and systems available within your cost range.

- MotorMaster+3.0 (MM+3.0)

An energy-efficient motor-selection and management tool, this software includes a catalog of more than 20,000 AC motors and features motor inventory management tools, maintenance-log tracking, efficiency analysis, savings evaluation, energy accounting and environmental reporting capabilities.

- Pump System Assessment Tool (PSAT)

The Pump System Assessment Tool helps assess the efficiency of pumping system operations. PSAT uses achievable pump-performance data from Hydraulic Institute standards and motor performance data from the MM+3.0 database to calculate potential energy and associated cost savings.

- Decision Tools for Industry CD

The Decision Tools for Industry CD contains both the MM+3.0 and PSAT software packages. In addition, it includes MM+3.0 training that walks you through the fundamentals and the advanced features of the program, providing examples for using the software to make motor purchasing decisions. The CD can be ordered on the OIT Web site, via e-mail at clearinghouse@ee.doe.gov or by calling (800) 862-2086.

Bonneville Power Administration (BPA)

Web: www.bpa.gov/Energy/N/projects/industrial/audit/index.cfm

Industrial Audit Guide and Adjustable Speed Drive Calculator

- The Industrial Audit Guidebook introduces the technical and non-technical user to common opportunities that may be found in an industrial facility to reduce electrical energy consumption.
- The Adjustable Speed Drive (ASD) calculator is a software program that provides the user with an easy to use tool for estimating the energy savings and simple payback for Adjustable Speed Drive installations on fans and pumps.

The Energy Solutions Center (ESC)

Web: www.energysolutionscenter.org

This non-profit center promotes the use of new gas-fueled technologies that increase manufacturing productivity and competitiveness. The Center's success is based on the establishment of a market-driven consortium of energy companies, equipment vendors and industrial end users that finance technology demonstrations and produce market entry support materials.

2. LIGHTING SYSTEM UPGRADES

International Association for Energy Efficient Lighting

Web: www.iaeel.org/

This association is an information resource for high-quality, energy-efficient lighting. Access all issues of the IAEEL newsletter, visit the "Lighting Crossroads" resource index and check out "Lighting and Energy Meetings & Events."

ENERGY STAR Certified Buildings

1200 Pennsylvania Avenue NW

Washington D.C. 20460

Phone: (888) STAR YES or 782-7937

Web: www.energystar.gov/index.cfm?c=business.bus_index

Using Energy Star's Energy Management Strategy, companies and organizations can develop and implement their own energy strategy and gain recognition as Energy Star certified.

U.S. EPA ENERGY STAR Labeled Products

Phone: (888) STAR YES or 782-7937

Web: www.energystar.gov/products

The Energy Star Web site includes product lists for lighting and store locators.

Lighting Research Center

Web: www.lrc.rpi.edu

The center maintains the National Lighting Product Information Program (NLPIP), a source of manufacturer-specific performance information on efficient lighting products.

3. HAVC & BUILDING SHELL IMPROVEMENTS

U.S. Department of Energy (DOE)

Web: www.doe.gov

BestPractices, an initiative of the Department of Energy's Office of Industrial Technologies, offers software tools to improve your plant's energy efficiency, enhance its environmental performance and increase its productivity. 3E Plus, a free product offered by DOE helps determine whether boiler systems can be optimized through the insulation of boiler steam lines.

www1.eere.energy.gov/industry/bestpractices/software.html

Office of Building, State And Community Programs (DOE)

Web: www.eere.energy.gov/buildings/tools_directory/

This resource describes 317 energy-related software tools for buildings with an emphasis on using renewable energy and achieving energy efficiency in buildings.

North American Insulation Manufacturers Association (NAIMA)

Phone: (703) 684-0084

Web: <http://naima.org>

NAIMA has developed 3E Plus, software that calculates how much money can be saved and how much greenhouse gas can be prevented by insulating pipes, boilers, storage vessels and ducts. The calculations are based on energy, labor and insulation costs. Many insulation upgrades can have paybacks in less than one year. The 3E Plus program can be used by your own plant manager or certified appraiser. To download the free 3E Plus program: www.pipainsulation.org

Efficient Windows Collaborative (EWC)

Web: www.efficientwindows.org

This resource provides information on the benefits of energy-efficient windows, descriptions of how they work, and recommendations for their selection and use. This was developed with the support of the U.S. Department of Energy's Windows and Glazings Program with the participation of industry members.

4. CAPTURING THE BENEFITS OF UTILITY COMPETITION

Use energy and utility bill tracking software to track your company's energy consumption and savings. There are a number of commercial software products available. Visit the Leonardo Academy Web site for current list of providers:

www.leonardoacademy.org/efficiencyresources/energytracking.htm

Private energy procurement companies, such as American PowerNet can help you build energy efficiency into your strategy for reducing utility costs and deal with uncertainty of energy supply. Energy service companies (ESCOs) are also a good resource to use when seeking assistance with energy procurement

www.americanpowernet.com or Aquila www.aquila.com/

5. COMMUNICATING EFFICIENCY ACHIEVEMENTS

Certification Programs

The Cleaner and Greener Certification Program

Phone: (608) 280-0256

This whole company certification helps business communicate their energy efficiency and environmental achievements to their customers. www.cleanerandgreener.org

ISO Easy and ISO Online

These organizations provide guidance for ISO certification.

www.isoeasy.org

www.iso.ch

- ISO 9000

ISO 9000 standards are management-system standards developed by the International Organization for Standardization (ISO) that state requirements for what an organization must do to manage the processes influencing quality. The standardized definition of "quality" in ISO 9000 addresses all those features of a product (or service) that are required by the customer. "Quality management" in ISO 9000 is defined by the management processes companies have in place to ensure that its products conform to the customer's requirements.

- ISO 14000

Like ISO 9000, ISO 14000 is a set of management-system standards developed by ISO that state requirements for what an organization must do to manage the processes influencing the impact of the organization's activities on the environment. "Environmental management" in ISO 14000 is defined by the management processes organizations have in place to minimize harmful effects on the environment caused by its activities.

Recognition Programs

U.S. EPA Energy Star

Phone: (888) STAR YES or (888) 782-7937

Web: www.energystar.gov

In return for committing to upgrade their buildings to become more energy efficient, Energy Star Buildings Partners receive access to services, information, tools and resources from the EPA. Visit www.energystar.gov/index.cfm?c=partners.pt_index to see how these partnership benefits add even more value to energy-efficiency improvements.

The Manufacturing Institute

Phone: (202) 637-3000

E-mail: mfg.inst@nam.org

Web: www.nam.org/institute

Contact the institute for information and resources on planning an Earth Day program at your plant, showing how your company is improving the air, water and land.

Climate Challenge

Phone: (202) 586-2588

Web: www.climatevision.gov/climate_challenge/climatechallenge.html

Climate Challenge is a DOE recognition program for utilities aimed at reducing greenhouse gases.

6. IMPLEMENTING WATER-USE REDUCTION EQUIPMENT & PRACTICES

Watergy

Web: www.watergy.org/

Watergy provides tools for potential water conservation opportunities and illustrates the energy savings that result from these activities. Reducing water use decreases the energy needed to pump water from its source. Reducing hot water use reduces the energy needed for heating water.

7. ENERGY SAVINGS THROUGH INTERNET USE

Metro Atlanta Telecommuting Advisory Council (MATAC)

Phone: 770-632-9996

Web: www.matac.org

Click on “telecommuting” for ideas and techniques that companies can use to develop successful telecommuting programs.

Telework

Oregon Office of Energy, Telework Resources

625 Marion Street, NE

Salem, OR 97310

Phone: (503) 378-4040

Web: <http://egov.oregon.gov/ENERGY/TRANS/Telework/intro.shtml>

A complete guide for setting up a telecommuting program at your business.

8. COMPREHENSIVE FACILITY ENERGY MANAGEMENT

For information on how to implement comprehensive facility energy and environmental management, consult the information resources listed above the general information outsourcing and for each of the eight specific areas of action.

The U.S. Green Building Council

US Green Building Council

1015 18th Street, NW, Suite 805

Washington, DC 20036

Phone: (202) 82-USGBC or 828-7422

Web: www.usgbc.org

The council is a non-profit organization that encourages the design and construction of environmentally friendly and energy efficient buildings. Members have access to a clearinghouse of emerging trends, policies and products. The council sponsors the LEED Green Building Rating System, a voluntary, consensus-based, market-driven building rating system based on existing, proven technology. A number of resources are available on the Web site, including LEED Green Building Rating System software.