

DOE-2 Directory of Program Related Software and Services¹

ESTSC Versions of DOE-2

Program Name	Description	Cost															
DOE-2.1E (Ed Kidd or Walt Kelly) estsc@adonis.osti.gov Energy Science & Technology Software Center (ESTSC) P.O. Box 1020 Oak Ridge, TN 37831-1020 Ph: 865-576-2606 / Fx: 576-2865 www.doe.gov/html/osti	Source code, executable code and complete current documentation for:	Support From ESTSC, limited operational support (telephone assistance concerning installation, media or platform questions). Help with modeling available free of charge from Bruce Birdsall at (925) 671-6942 10am to 3pm Pacific time.															
	DOE-2.1E/Version 103 for Windows and SUN UNIX DOE-2.1E DEC-VAX Operating System: Windows, SUN UNIX, DEC-VAX	<table border="1"> <thead> <tr> <th></th> <th>Windows</th> <th>SUN-UNIX</th> <th>VAX</th> </tr> </thead> <tbody> <tr> <td>Govt/Educ</td> <td>\$ 300</td> <td>\$455</td> <td>\$500</td> </tr> <tr> <td>US, Mexico, Canada</td> <td>\$575</td> <td>\$1365</td> <td>\$1835</td> </tr> <tr> <td>Other Foreign</td> <td>\$1075</td> <td>\$2120</td> <td>\$2716</td> </tr> </tbody> </table>		Windows	SUN-UNIX	VAX	Govt/Educ	\$ 300	\$455	\$500	US, Mexico, Canada	\$575	\$1365	\$1835	Other Foreign	\$1075	\$2120
	Windows	SUN-UNIX	VAX														
Govt/Educ	\$ 300	\$455	\$500														
US, Mexico, Canada	\$575	\$1365	\$1835														
Other Foreign	\$1075	\$2120	\$2716														

Commercial Versions of DOE-2

Program Name	Description	Cost									
ADM-DOE-2 (Richard Burkhart) ADM Associates adm_asc@ns.net 3239 Ramos Circle Sacramento, CA 95827-2501 Ph: 916-363-8383, Fx: 363-1788	Use on 386/486 PCs with a math co-processor and 4MB of RAM. The package contains everything needed to run the program: program files, utilities, sample input files, and weather files. More than 300 weather files available. Operating System: DOS, Windows 95	<table border="1"> <thead> <tr> <th>Input</th> <th>Output</th> <th>Support</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> \$395 + \$15/SH including one set weather data (your choice) and documentation	Input	Output	Support						
Input	Output	Support									
Compare-IT (Matt Brost) RLW Analytics, Inc. info@rlw.com 1055 Broadway, Suite G Sonoma, CA 95476 Ph: 707-939-8823, Fx: 939-9218 www.rlw.com	Compare-IT allows DOE-2 professionals to add value to their projects by giving clients "what-if" scenarios using DOE-2. The interface is designed for novice energy analysts and the GUI can be customized for each client's particular interests. Based DOE-2.1E. Operating System: DOS, Windows (98, 95, NT)	<table border="1"> <thead> <tr> <th>Input</th> <th>Output</th> <th>Support</th> </tr> </thead> <tbody> <tr> <td> Customizable windows GUI dynamically built based on DOE-2 macros. </td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> \$500 consultant \$2000 client Documentation available	Input	Output	Support	Customizable windows GUI dynamically built based on DOE-2 macros.					
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Customizable windows GUI dynamically built based on DOE-2 macros.											
DOE-Plus (Steve Byrne) Item Systems byrne @ item.com 321 High School Road NE #344 Bainbridge Island, WA 98110 Ph: 206-855-9540 / Fx: 855-9541 www.halcyon.com/byrne	Complete support for all DOE-2 commands. Utility programs included: Prep, Demand Analyzer, weather processor. Over 500 worldwide weather files. Imports BDL files created with a text editor or other program. Based DOE-2.1E. Operating System: DOS, Windows (3.1, 95, NT)	<table border="1"> <thead> <tr> <th>Input</th> <th>Output</th> <th>Support</th> </tr> </thead> <tbody> <tr> <td> Interactive, graphical, fill-in-the-blanks </td> <td> Customizable tables and graphics </td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> \$895 with DOE-2 and doc \$495 without DOE-2 Source code not available.	Input	Output	Support	Interactive, graphical, fill-in-the-blanks	Customizable tables and graphics				
Input	Output	Support									
Interactive, graphical, fill-in-the-blanks	Customizable tables and graphics										

¹ We list third-party DOE-2-related products and services for the convenience of program users, with the understanding that the Simulation Research Group does not have the resources to check the DOE-2 program adaptations and utilities for accuracy or reliability.

Commercial Versions of DOE-2 (continued)

Program Name	Description		Cost
EnergyPro (D. Vonderkullen) demian@energysoft.com Gabel Dodd/EnergySoft LLC 100 Galli Drive #1 Novato, CA 94949-5657 Ph: 415-883-5900, Fx: 883-5970 www.energyspro.com	Performs nonresidential load calculations for HVAC equipment sizing. Electronically exports forms to AutoCad for inclusion on blueprints. On-line help. 344 weather files for the U.S. and Canada. Operating System: DOS, Windows (95, NT). For California Users: Performs Title 24 compliance calculations, includes state-certified HVAC and DHW Equipment directories, Title 24 tailored lighting calculations. Based on ESTSC DOE-2.1E	<u>Input:</u> Graphical ----- <u>Output:</u> Graphs, forms ----- <u>Support:</u> Unlimited support	DOE-2 Module: Non-residential \$ 700 ^{1,2} Residential \$ 250 ^{1,2} Program Interface \$ 195 ³ ¹ price reflects cash discount ² includes documentation ³ required
EZDOE (Bill Smith) bsmith @ elitesoft.com Elite Software P.O. Box 1194 Bryan, TX 77806 Ph: 409-846-2340 / Fx: 846-4367 www.elitesoft.com	Provides full screen, fill-in-the-blank data entry, dynamic error checking, context-sensitive help, mouse support, graphic reports, a 750-page user manual, and extensive weather data. Full implementation of DOE-2 on DOS-based 386 and higher computers. On-line help. Some weather files. Based on DOE-2.1E. Operating System: DOS	<u>Input:</u> Fill-in-the-blanks ----- <u>Output:</u> Standard DOE reports plus some custom graphic reports ----- <u>Support:</u> Unlimited phone support	\$1295 w/documentation Source code not available.
FTI/DOE2 (Scott Henderson) info @ finite-tech.com Finite Technologies Inc. 3763 Image Drive Anchorage, Alaska 99504 Ph: 907-333-8937, Fx: 333-4482 www.finite-tech.com	Version 3.0 Release -- FTI/DOE is 100% compatible with LBNL version. Source code versions will compile with most F77-compliant compilers. On-line help: 344 weather files for the U.S. and Canada. Based on ESTSC DOE-2.1E. No demo, 30-day trial period Operating System: DOS, Windows (3.x, 95, NT) AIX, ULTRIX, VMS, Linux, NeXTStep,	<u>Input:</u> Version 2.x: text based Version 3.x: graphical ----- <u>Output:</u> All standard DOE-2 reports Run time and status graphics ----- <u>Support:</u> 90-days free; then cost is \$ 35 each email per incident \$ 55 per hour per incident \$125 per hour for engineering advice.	\$ 995.99 US w/documentation \$1066 Int'l w/documentation \$4999.99 Source code
PRC-DOE-2 (Paul Reeves) Paul.Reeves@DOE2.com Partnership for Resource Conservation 140 South 34 th Street Boulder, CO 80303 Ph: 303-499-8611, Fx: 554-1370	Text-based version of DOE-2 includes documentation. Extensive information on new features, including information on new system types, new commands, new options, etc., added to later versions of 2.1E. Operating System: DOS, Windows (95, NT)	<u>Input:</u> Standard text-based ----- <u>Output:</u> ----- <u>Support:</u> Unlimited support.	\$ 495 w/documentation Source code not available.

Commercial Versions of DOE-2 (continued)

Program Name	Description	Cost
VisualDOE 2.61 (Eric Kolderup) support@eley.com Charles Eley Associates 142 Minna Street San Francisco, CA 94105 Ph: 415-957-1977 Fx: 415-957-1381 www.eley.com	Fast construction of building geometry using pre-defined blocks and/or drawing interface. Import zone shapes from CADD file (dxf format). Point-and-click to define zone properties and HVAC systems. Rotate-able 3-D image of model. Custom hourly outputs, customized graphs. On-line help. 400+ US weather files, 12+ for Canada, plus selected locations around the world. Operating System: DOS, Windows (3.1, 95, NT)	Version 2.61 is \$495 w/documentation Source code not available.
	<u>Input</u> Graphical	
	----- <u>Output</u> Graphical	
	----- <u>Support</u> 90 days free phone and email support.; thereafter \$195/hear	

Pre- and Post Processors for DOE-2

Program Name	Description	Cost
DrawBDL Joe Huang & Associates 6720 Potrero Avenue El Cerrito, CA 94530 Ph/Fx: 510-236-9238	DrawBDL , Version 2.1, is a graphic debugging and drawing tool for DOE-2 building geometry . DrawBDL reads your BDL input and makes a rotate-able 3-D drawing of your building with walls, windows, and building shades shown in different colors for easy identification. Operating System: DOS, Windows (3.1, 95, 98, NT) [Works with 2.1E]	\$125.00 plus shipping
PRC-TOOLS (Paul Reeves) P R C 140 South 34 th Street Boulder, CO 80303 Ph: 303-499-8611 / Fx: 554-1370	<i>PRC-Tools</i> aid in extracting, analyzing, and formatting DOE-2 output . <i>PRC-Grab</i> automates the process of extracting any number of answers from DOE-2 standard output files. <i>PRC-Hour</i> and <i>PRC-Peak</i> format the hourly output and create Peak-Day and Average-Day load shapes for any number of periods and for any combination of hourly values. Operating System: Windows (95, 98, NT) [Works with 2.1E]	\$99.00
Visualize-IT (Matt Brost) RLW Analytics, Inc. mattb@rlw.com 1055 Broadway, Suite G Sonoma, CA 95476 Ph: 800-472-6716 Fx: 707-939-8823 www.rlw.com	Visualize-IT 2.0 is a Windows application designed to help you explore and summarize short-interval time series data, e.g., measurements taken once every 15 minutes over a period of weeks, months or years. Visualize-IT has been developed specifically for electric and gas load data measuring class profiles, market-segments, individual customer sites or specific end uses. Customized DOE2.1e hourly output importer. Visualize-IT is highly useful and informative for looking at DOE2 output and/or comparing to interval metered data. It is equally useful for other time series measurements such as weather, industrial process control, and water quality. Operating System: Windows 95, 98 and NT	\$500.00 per set Volume Discounts Available

Special Versions of DOE-2

Program Name	Description	Cost
CBIP pebc.rncan.gc.ca/cbip.htm Office of Energy Efficiency Natural Resources Canada 580 Booth St., 18th Floor Ottawa ON K1A 0E4 CANADA	Natural Resources Canada's Commercial Building Incentive Program (CBIP) offers a financial incentive for the incorporation of energy efficiency features in new commercial and institutional building designs. The objective of this new incentive is to encourage energy-efficient design practices and to bring about lasting changes in the Canadian building design and construction industry. The program will be offered until March 31, 2004.	Web Based
Cool Tools (Peter Turnbull) Pacific Gas & Electric Company pwt1@pge.com www.hvacexchange.com/cooltools/	The CoolTools™ project objective is to develop, disseminate and promote an integrated set of tools for design and operation of chilled water plants. CoolTools™ products are Internet based, public domain resources available to building owners, design professionals, and operators involved in both new construction and retrofits.	Web Based
DesiCalc GRI-98/0127 (Doug Kosar) www.desicalc.com Order from: GRI Fulfillment Center Ph: 773-399-5414, Fx: 630-406-5995	DesiCalc screens desiccant cooling applications. It estimates annual or monthly energy loads, using hour-by-hour simulations, and costs for 11 typical commercial buildings in 236 geographical locations in the US. Includes the latest TMY2 meteorological database [Based on DOE-2.1E] Operating System: Windows 3.1, 95, 98, NT	\$295 w/doc +8.75% tax in IL +4.5% tax in VA S/H add \$20
Energy Gauge USA (Danny Parker) Florida Solar Energy Center 1679 Clearlake Road Cocoa, FL 32922 Ph: 407-638-1405, Fx: 407-638-1439	Energy Gauge USA allows the simple calculation and rating of residential building energy use in the US. The simulation calculates a six-zone model of the residence (conditioned zone, attic, crawlspace, basement, garage and sunspace) with the various buffered spaces linked to the interior as appropriate. TMY weather data for the program are available for 239 US locations. [Based on DOE-2.1E] Operating System: Windows 95, 98, NT	Contact Danny Parker at FSEC for availability.
Home Energy Saver (Residential DOE-2) http://hes.lbl.gov	Calculation of residential energy consumption using DOE-2.1E. The program performs a full annual simulation for a typical weather year (involving 8760 hourly calculations) from 239 locations around the United States in about 10-20 seconds.	Web Based
PERFORM 98 California Energy Commission P.O. Box 944295, MS-13 Sacramento, CA 94244-2950 Ph: 916-654-5385	Created for the State of California Energy Commission's, Title 24 energy code . Perform 98 is an interface shell with DOE-2 as the engine. DOS input. Output is only California Title 24 compliant. Technical support available for \$100/year from Gabel-Dodd Energy Soft LLC, 100 Galli Drive #1, Novato, CA 94960. Call 415-883-5900 for details. [Based on DOE-2.1E]	\$250 including PERFORM 98, Version 100 program and manual. (VISA/MC) Order #P440960006
RESFEN-3.1 Building Technologies, MS 90-3111 Lawrence Berkeley Laboratory Berkeley, CA 94720	RESFEN calculates the energy and cost implications of a building's windows compared to insulated walls . The relative energy and cost impacts of two different windows can also be compared against each other. RESFEN calculates the heating and cooling energy use and associated costs, also the peak heating and cooling demand for specific window products. [Based on DOE-2.1E] Operating System: Windows 95, 98, NT	Free! Download from windows.lbl.gov/software/resfen

INTERNATIONAL DOE-2 RESOURCE CENTERS

The people listed here have agreed to be primary contacts for DOE-2 program users in their respective countries. Each resource center has the latest program documentation, all back issues of the User News, and recent LBNL reports pertaining to DOE-2. Users may make arrangements to photocopy the new material for a nominal cost. We hope to establish centers in other countries; please contact us if you want to establish a center in your area.

Australasia

P. C. Thomas, SOLARCH, University of New South Wales, Sydney 2052, Australia
Tel: +61 2 9385 6373 / Fax: +61 2 9385 6735, email PC.Thomas@unsw.EDU.AU www.fbe.unsw.edu.au/units/solarch

Australia

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Brazil

Prof. Roberto Lamberts, Universidade Federal de Santa Catarina, Campus Universitario-Trindade, Cx. Postal 476, 88049-900 Florianopolis SC, BRASIL
lamberts@ecv.ufsc.br / Tel: +55 48 331 9272/ Fax: +55 48 331 9770

Czech Republic

Ing. Zuzana Krtkova, Faculty of Civil Engineering, Dept. of Environmental and Building Services Engineering, Czech Technical University in Prague, Thakurova 7, 166 29 Praha 6, CZECH REPUBLIC krtkova@fsv.cvut.cz Tel: +42 2 2435 4327

Egypt

Dr. Ossama A. Abdou, Center for Building Environmental Studies and Testing (C-Best), 15-EI-Shibani Street, Almanza, Cairo, Egypt Tel: +20 2 391 1137 or +20 2 417 4583 / Fax: +20 2 519 4343 / oabdou@hotmail.com

Germany

B. Barath or G. Morgenstern, Ingenieurbüro Barath & Wagner GmH, Postfach 20 21 41, D-41552 Kaarst, Germany
Tel: +49 2 131 7574 9012 G. Morgenstern / Fax: +49 2 131 7574 9029

Hong Kong, China, Taiwan, Japan

Dr. Sam C. M. HUI or K.P. Cheung, Dept of Architecture, University of Hong Kong, Pokfulam Road, Hong Kong (SAR), CHINA / cmhui@hku.hk or kpcheung@hku.hk / <http://arch.hku.hk/research/BEER/DOE-2/DOE-2.htm>
Tel: +852 2859 2123 Sam Hui / Fax: +852 2559 6484

India

Jiten Prajapati or Anil K. Anand, Energy Systems Engineering, IIT-Mumbai, Powai, Mumbai 400 076, INDIA
Tel : +91 022 578 2545 x7378

Italy

Marco Rapella, Via Bonfadini 33, I-23100 Sondrio, ITALY Tel: +390342511168, marco.rapella@libero.it, cell phone number: +393474756858

Korea (Chungnam)

Dr. Jun Tae Kim, Department of Architectural Engineering, Kongju National University, 182 Sinkwan-dong, Kongju, Chungnam 314-701, Republic of Korea / jtKim@knu.kongju.ac.kr / Tel: +82 416 850 8653 / Fax +82 416 856 9388

Korea (Taejon)

Dr. Euy-Joon Lee and Jong-Ho Yoon, Passive Solar Research Team, Bldg 2, Room 202, Korea Institute of Energy Research, Daeduk Science Town, 71-2 Jang-Dong, Yusong-Gu, Taejon 305-343, Republic of Korea, Lee: ejlee@kier.re.kr, Yoon: yesru@kier.re.kr
Tel: +82 42 860 3514 / Fax: +82 42 860 3132

INTERNATIONAL DOE-2 RESOURCE CENTERS (continued)

New Zealand

Tan Yune, Architecture Department, The University of Auckland, Private Bag 92019, Auckland, New Zealand tanyune@ccu1.auckland.ac.nz / Tel: +64 9 373 7999 x5647 / Fax: +64 9 373 7410

Portugal, Spain, Italy, and Greece

Antonio Rego Teixeira, ITIME, Unidade de Energia, Estrada do Paco do Lumiar, 1699 Lisboa, Portugal
art@itime.ineti.pt / Tel: +35 11 350 2931 / Fax: +35 11 716 4305

Singapore, Malaysia, Indonesia, Thailand, and the Philippines

WONG Yew Wah (Raymond), Nanyang Technological University, School of Mechanical and Production Engineering, Nanyang Avenue, Singapore 2263, Republic of Singapore, mywwong@ntu.edu.sg / Tel: +65 790 5543 / Fax: +65 791 1859

South Africa

Prof. L. J. Grobler, School of Mechanical and Materials Engineering, University of Potchefstroom, Private Bag X6001, Potchefstroom 2520, South Africa, mgiljg@puknet.puk.ac.za / Tel: +27 148 299 1328 / Fax: +27 148 299 1320

Switzerland

René Meldem, Meldem Energie SA, Avenue de Cour 61, CH-1007 Lausanne, Switzerland
Tel: +41 21 401 4090, Fax: +41 21 401 4091, meldem.energie@bluewin.ch

INTERNATIONAL DOE-2 ENERGY CONSULTANTS

Australia

P. C. Thomas, Sustainable Building & Energy Consultants, 6/52 Houston Road, Kingsford NSW 2032, Australia.
Tel/Fax: +61 2 9662 0205, Mobile +61 417 405 478, pc_thomas@iname.com

Belgium

Andre Dewint, S.A. Alpha Pi n.v., Av Winston Churchill 232 Box 7, B-1180 Bruxelles, BELGIUM
Tel: +32 2 343 4251 / Fax: +32 2 343 0377

Canada

Curt Hepting, P.Eng. EnerSys Analytics, 2989 Delahaye Drive, Coquitlam, B.C. V3B 6Y9 Canada enersys@infoserve.net / www.enersys.bc.ca/homepage / Tel: (604) 552-0700 / Fax (604) 552-0713

Dejan Radoicic, D. W. Thomson Consultants, Ltd., 1985 West Broadway #200, Vancouver, BC V6J 4Y3, Canada Tel (604) 731-4921 / Fax (604) 738-4420

Neil A. Caldwell, PE, DukeSolutions Canada, Inc., 1730 - 401 West Georgia St., Vancouver, BC V6B 5A1 Canada ncaldwe@duke-energy.ca

Dr. Stephane Bilodeau, PE, President, Groupe Enerstat, Inc., 79 Wellington North #202, Sherbrooke (Quebec) J1H 5A9, Canada
sbilodeau@groupeenerstat.com / Tel: (819) 562-8040 / Fax (819) 562-5578

Gordon Shymko, G.F. Shymko & Associates, Inc., 129 Evergreen Crescent S.W., Calgary, Alberta T2Y 3R2, Canada

Germany

Jens Grundt and Ludwig Michel, GMW-Ingenieurburo, Die Planer Villa, Bünteweg 10a, 30559 Hannover, Lower Saxony, Germany
Tel: +49 0511 58 59 48 -11/Fax +49 0511 58 59 48 -48 www.gmw-ingenieurbuero.de j.grundt@gmw-ingenieurbuero.de

INTERNATIONAL DOE-2 ENERGY CONSULTANTS (continued)

Italy

Marco Rapella, Via Bonfadini 33, I-23100 Sondrio, ITALY Tel: +390342511168, marco.rapella@libero.it, cell phone number: +393474756858

Ireland

Paul Overy, Overy + Associates, Mechanical and Electrical Consulting Engineers, 43 Parnell Street, Clonmel, Co Tipperary, Ireland
Tel: +353 (0)52-27667, Fax: +353 (0)52-29238 www.overy-assoc.com

New Zealand

Paul Bannister, Energy Group, Ltd., 14a Wickliffe Street (P.O. Box 738), Dunedin New Zealand eglstaff@earthlight.co.nz
Tel: +64 3479 0148, Fax: 3479 0759

Switzerland

René Meldem, Meldem Energie SA, Avenue de Cour 61, CH-1007, Lausanne, Switzerland.
Tel: +41 21 401-4090, Fax: +41 21 401-4091, meldem.energie@bluewin.ch

Philip Schluchter, Institut für Bauphysik Klein, Urs Graf-Strasse 1, CH-4052 Basel, Switzerland

Gerhard Zweifel, Hochschule Technik + Architektur Luzern, Technikumstrasse 21 Abt. HLK, CH-6048 Horw, Switzerland gzweifel@ztl.ch
Tel: +41 349 3349, Fax: 349 3960

Markus Koschenz, Building Equipment Section 175, EMPA, 129 Überlandstrasse, CH-8600 Dübendorf, Switzerland
Markus.Koschenz@empa.ch, Tel: +41 1823 5511, Fax: 821-6244

United Kingdom

Dr. Peter Simmonds, Ove Arup and Partners, Ltd., 13 Fitzroy Street, London W1P 6BQ, UNITED KINGDOM.
Tel: +44 20-7465-3637 / Fax: 7465-3667, peter.simmonds@arup.com / www.arup.com

U. S. DOE-2 ENERGY CONSULTANTS

Arizona				
Dale R. Broughton, P.E. drb6@home.com	Quantum Computer Resources www.qcr-usa.com	20833 North 1 st Street	Phoenix, AZ 85027	(623) 780-3496 fax: 322-0049
Henny van Lambalgen, P.E. henny@questenergy.com	Quest Energy Group, LLC www.questenergy.com	4324 East Pearce Road	Phoenix, AZ 85044	(480) 753-5590 fax 753-1215
Marlin S. Addison marlin.addison@doe2.com	M. S. Addison & Associates	1215 West 12th Place	Tempe, AZ 85281	(480) 968-2040 fax: 968-2053
Chuck Sherman ces@essinc.com	ESSengineering	2141 East Broadway, #211	Tempe, AZ 85282	(480) 784-4500 fax: 784-4800
Sarat Kanaka nexus@nexusenergy.com	EcoGroup, Inc., Suite 301	2085 E. Technology Circle	Tempe, AZ 85284	(602) 777-3000
California				
Joseph Deringer, jderinger@deringergroup.com Qiang (Peter) Zhang peter@deringergroup.com	The Deringer Group, Inc. www.deringergroup.com www.ecoadvisor.com	1349 Addison Street	Berkeley, CA 94703	(510) 843-9000 fax: 843-9005
M. Gabel, R. Howley office@gabelenergy.com	Gabel Associates, LLC www.gabelenergy.com	1818 Harmon Street	Berkeley, CA 94703	(510) 428-0803 fax: 428-0324
George Marton John R. Aulbach, PE jrascab36@earthlink.net	1129 Keith Avenue 23508 Naffa Avenue		Berkeley, CA 94708 Carson, CA 90745	(510) 841-8083 (310) 549-7118
Leo Rainer lirainer@davisenergy.com	Davis Energy Group, Inc. www.davisenergy.com	123 C Street	Davis, CA 95616	(916) 753-1100
L. Heshong and D. Mahone lheshong@h-m-g.com dmahone@h-m-g.com	The Heshong Mahone Group www.h-m-g.com	11626 Fair Oaks Blvd, #302	Fair Oaks, CA 95628	(916) 962-7001 fax: 962-0101
Cliff Gustafson	Taylor Systems Engineering, Inc. www.tse-inc.net	9801 Fair Oaks Blvd., #100	Fair Oaks, CA 95628	(916) 961-3400 fax: 961-3410
Tom Lunneberg, PE info@ctg-net.com	Constructive Tech. Group www.ctg-net.com/main.htm	16 Technology Dr., #109	Irvine, CA 92618	(714) 790-0010
David J. Schwed rma@as.net	Romero Management Associates www.asnet/~rma/index.htm	1805 West Avenue K	Lancaster, CA 93534	(805) 940-0540
Martyn C. Dodd support@energysoft.com	Gabel Dodd/EnergySoft, LLC www.energysoft.com	100 Galli Drive, # 1	Novato, CA 94949	(415) 883-5900 fax: 883-5970
Jim Kelsey, Kevin Warren info@kw-energy.com	KW Energy Engineering www.kw-energy.com	175 Filbert Street #205	Oakland, CA 94607-2541	(510) 834-6420 fax: 834-6373
Patrick Nkwocha, PE UPat@worldnet.att.net	Global Tech Services	3360 Foothill Blvd., #108	Pasadena, CA 91107	(626) 583-8205 fax: 583-8206
James Trowbridge, PE	Trowbridge Engineering	8240 Caribbean Way	Sacramento, CA 95826	(916) 381-4753

California (continued)				
Greg Cunningham gwc@essinc.com	ESSengineering	114 Sansome St., #1201	San Francisco, CA 94104	(415) 296-9760 fax: 784-9761
Charles Eley, T. Tathagat info@eley.com	Eley Associates www.eley.com	142 Minna Street	San Francisco, CA 94105	(415) 957-1977 fax: 957-1381
John F. Kennedy, PE info@geopraxis.com	GeoPraxis, Inc. www.geopraxis.com	205 Keller Street	Petaluma, CA 94952-3874	(707) 766-7010 fax: 766-7014
Chandra Shinde, PE	Envirodesign Group	19613 El Camino Esplanade	Walnut, CA 91789-2138	(909) 598-1980
Colorado				
Fred Porter	Architectural Energy Corp	2540 Frontier Ave, #201	Boulder, CO 80301	(303) 444-4149 fax: 444-4304
Dr. Ellen Franconi ellenf@schiller.com	Schiller Associates www.schiller.com	1401 Walnut Street, #403	Boulder, CO 80302	(303) 440-4343 fax: 440-6644
Paul Reeves	PRC	140 South 34 th Street	Boulder, CO 80303	(303) 499-8611
Susan Reilly denver@enermodal.com	Enermodal Engineering	1554 Emerson Street	Denver, CO 80218	(303) 861-2070 fax: 830-2016
Colorado				
Charles Fountain	Burns & McDonnell www.burnsmcd.com	8055 E. Tufts Avenue, #330	Denver, CO 80230	(303) 721-9292
Joel Neymark, PE neymarkj@qwest.net	J. Neymark & Associates	2140 Ellis Street	Golden, CO 80401	(303) 384-3672 fax: 384 9427
Norm Weaver, PE	Interweaver Consulting	P.O. Box 775444	Steamboat Springs, CO 80477	(970) 870-1710
Connecticut				
Adrian Tuluca swa@swinter.com	Steven Winter Associates www.swinter.com	50 Washington Street	Norwalk, CT 06854	(203) 852-0110 fax: 852-0741
District of Columbia				
Kurmit Rockwell, PE	XENERGY, Inc., Suite 1110 www.xenergy.com	1025 Connecticut Ave., N.W.	Washington, DC 20036	(202) 872-1626
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