

Meetings, Conferences, Symposia

2003

November 11-16 2003 National Environmental Balancing Bureau To be held in Memphis, TN • www.nebb.org



November 12-14 2003 USGBC International Green Building Conference and Expo To be held in Pittsburgh, PA • www.usgbc.org



November 12-14 2003 World Energy Engineering Congress To be held in Atlanta, GA • www.energycongress.com



November 18-19 2003 7th Asia Pacific Conference on the Built Environment To be held in Hong Kong • www.ashrae.org.hk/apc2003

November 19-21 2003 Light+Building Asia To be held in Singapore • www.light-building.messefrankfurt.com

December 7-11 2003 Healthy Buildings 2003 To be held in Singapore • www.HB2003.org



2004








January 24-28 2004 ASHRAE Winter Meeting To be held in Anaheim, CA • www.ashrae.org



February 7-11, 2004 CTI Annual Conference To be held in Houston, TX • www.cti.org



2004 (Continued)

February 18-21 2004	ACREX 2004: International Exposition on Air Conditioning, Refrigeration and Allied Industries	To be held in Mumbai, India www.acrex.org.in	
March 2004	RAHV 2004: The 2nd Guangzhou International Exhibition On Refrigeration, Air-Conditioning Industries	To be held in Guangzhou, China • http://www.toprepute.com.hk/	
May 2-7, 2004	CIB World Building Congress 2004	To be held in Toronto, Canada • http://www.cib2004.ca/	
May 3-5 2004	International HVAC+R Technology Symposium and Exhibition	To be held in Istanbul, Turkey • www.ttmd.org.tr	
June 9-11, 2004	eSim 2004: The Canadian Conference on Building Energy Simulation	To be held in Vancouver, BC, Canada http://www.esim.ca/2004/English/about_esim.htm	
June 21-24, 2004	HEFAT2004: Third International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics	To be held in Cape Town, South Africa • www.hefat.com	
June 26-30 2004	ASHRAE Annual Meeting	To be held at Opryland in Nashville, TN • www.ashrae.org	
August 4-6, 2004	Building Performance '04: IBPSA-USA 1st Nat'l Conference of	To be held in Boulder, CO • http://www.ibpsa.org/	
December 5-10, 2004	Performance of the Exterior Envelopes of Whole Buildings IX International Conference	To be held in Clearwater Beach, FL • www.ornl.gov/buildings/	

2005

February 5-9, 2005

ASHRAE Winter Meeting



To be held in Orlando, FL • www.ashrae.org

June 25-29, 2005

ASHRAE Annual Meeting



To be held in Denver, CO • www.ashrae.org

August 15, 2005

IBPSA's BS 2005



To be held in Montreal, Canada • <http://www.ibpsa.org/>

2006

January 21-25, 2006

ASHRAE Winter Meeting



To be held in Chicago, IL • www.ashrae.org

June 24-28, 2006

ASHRAE Annual Meeting



To be held Quebec City, Canada • www.ashrae.org

Directory of Software and Services for EnergyPlus

Program Name	Description	Cost
EnergyPlus 1.1.1	Downloadable from www.energyplus.gov/ Support mailto:EnergyPlus-Support@gard.com Support Group groups.yahoo.com/group/EnergyPlus_Support	<i>Free!</i>

Support Tools for EnergyPlus

Vendor	Description	Cost
The Deringer Group, Inc. 1349 Addison Street Berkeley, CA 94702 Tel: (510) 843-9000 Fax: (510) 843-9005 www.deringergroup.com/	EnergyPlus Online Simulations – online and embedded in the EcoAdvisor set of online training modules on sustainable buildings. These tools can be used by anyone and require no special knowledge of EnergyPlus. EnergyPlus Interface Support Tools EzPlus-Parm is a standalone Windows tool intended primarily for EnergyPlus parametric analysis. It was designed to simplify the running of multiple parametric EnergyPlus simulations and helps a user organize and edit files. DrawEzPlus is a 3-D geometry rendering tool that displays the geometry imbedded in an EnergyPlus file. Users can toggle between line and surface (fill) presentation modes, and can select to draw any mix of key building objects -- floor, walls, roof, windows, and attached and detached shading.	<i>Free!</i>
DesignBuilder Software, Ltd. Palace Chambers 41 London Road Stroud Gloucestershire, GL5 2AJ UK www.designbuilder.co.uk/	DesignBuilder provides a range of environmental performance data such as: annual energy consumption, maximum summertime temperatures and detailed feedback on temperatures and heat flows in the building. DesignBuilder provides an interface to the latest EnergyPlus version for envelope, solar, ventilation and daylighting capabilities as well as heating and cooling load modeling. The software comes with summer and winter design data for 1439 worldwide locations and has access to more than 500 hourly simulation weather files.	<i>See website</i>

Support Tools for EnergyPlus (Continued)

Vendor	Description	Cost
SQUARE ONE Research Centre for Research in the Built Environment, Bute Building, King Edward VII Avenue CARDIFF, CF10 3NB Wales United Kingdom www.squ1.com/	ECOTECT couples an intuitive 3D design interface with a comprehensive set of performance analysis functions (visualization, solar and daylighting analysis, shadows and shading, lighting design, thermal performance, UK building regulations, ventilation, and acoustic analysis) with interactive information displays. It also can export an EnergyPlus IDF file.	<i>See website</i>
Taylor Systems Engineering Suite 100 9801 Fair Oaks Boulevard Fair Oaks, CA. 95628 Phone: (916) 961-3400 Fax: (916) 961-3410 www.tse-inc.net/	<p>TSe+ is a suite of applications to enhance the data management for EnergyPlus users. The various modules aid the specific groups of data required in EnergyPlus. TSe+ is still an Alpha (pre-release) version in its development stage and the modules are being provided to users to assess the usability and functionality of the program for further development. Your effort to provide feedback and comments will be greatly appreciated and will benefit the tool development. The TSe+ modules are provided totally free of cost.</p> <p>TSe+Mat (materials library) is the first module of TSe+ module (Aug 2003). This is a module which enables the users to manage their frequently used material inputs for EnergyPlus data through adding, editing and manipulating, new and existing material DataSets from EnergyPlus and export them in the required IDF format.</p> <p>TSe+Glz (glazing library) is the second module of the TSe+ suite. It is also an alpha release (Sept 2003). TSe+Glz allows the capability of creation, editing and management of window glazing, gas, shade and blind materials and construction.</p>	<i>Free!</i>

U. S. EnergyPlus CONSULTANTS

California				
James Trowbridge, P.E. jim@epmaker.com	Trowbridge Engineering	8240 Caribbean Way	Sacramento, CA 95826	(916) 803-5436
Tianzhen Hong, PhD, P.E. thong@eley.com	Eley Associates www.eley.com	142 Minna Street	San Francisco, CA 94105	(415) 957-1977 fax: 957-1381
David Shevick, P.E.	dshevick@yahoo.com	1056-K Los Gamos Road	San Rafael, CA 94903	(415) 794-2084
Illinois				
Erik Olsen eolsen@owpp.com	OWP/P Engineers www.owpp.com	111 West Washington St., #2100	Chicago, IL 60602-2714	(312) 960-8313 fax: 827-8313
Jason Glazer jglazer@gard.com	GARD Analytics www.gard.com	1028 Busse Highway	Park Ridge, IL 60068	(847) 698-5686
Minnesota				
Tom McDougall tgm@twgi.com	The Weidt Group www.twgi.com	5800 Baker Road	Minnetonka, MN 55345	(952) 938-1588 fax: 938-1480
New York				
Chris Balbach cab@thethomasgroup.com	Thomas Associates www.thethomasgroup.com/	215 The Commons	Ithaca, NY 14850	(607) 277-7100 fax: 277-1410
Virginia				
John R. Ross III, P.E. jross3@erols.com	Westwind Corporation	1609 Sereno Court	Vienna, VA 22182-1958	(703) 255-4712 fax: 255-4712

Directory of Software and Services for DOE-2

ESTSC Versions of DOE-2

Program Name and Vendor	Description	Cost
DOE-2.1E (Ed Kidd or Walt Kelly) estsc@adonis.osti.gov ESTSC P.O. Box 1020 Oak Ridge, TN 37831-1020 Ph: 865-576-2606 / Fx: 576-2865 www.osti.gov/estsc	Source code, executable code and complete current documentation for: DOE-2.1E/Version 117 1000-zone version OS: Windows, SUN UNIX	Support Limited operational support (telephone assistance for installation, media or platform questions). Windows U.S. Govt/Non-Profit/Educ \$ 300 U.S. Public, Mexico, Canada \$ 575 Japan \$1268 Other Foreign \$1075

Commercial Versions of DOE-2

Program Name and Vendor	Description	Cost
ADM-DOE-2 (Richard Burkhardt) ADM Associates 3239 Ramos Circle Sacramento, CA 95827-2501 Ph: 916-363-8383, Fx: 363-1788 www.adm-energy.com/	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. OS: DOS, Windows 95	Input ----- Output ----- Support ----- \$395 + \$15/SH including one set weather data (your choice) and documentation
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. OS: DOS, Windows (98, 95, NT)	Input: Customizable windows GUI dynamically built based on DOE-2 macros. ----- Output Support ----- \$500 consultant \$2000 client Documentation available
DOE-Plus (Steve Byrne) Item Systems info@item.com 8121 – 188 th St. SW. Edmonds, WA 98026 Ph: 425-640-3210 www.item.com/doeplus.htm	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 on DOE-2.1E. OS: DOS, Windows (3.1, 95, NT)	Input Interactive, graphical, fill-in-the-blanks ----- Output Customizable tables and graphics ----- \$895 with DOE-2 and doc \$495 without DOE-2 Source code not available.

Note: 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 and Vendor	Description	Cost
EnergyPro 3.0 (D. Vonderkullen) Gabel Dodd/EnergySoft LLC 100 Galli Drive #1 Novato, CA 94949-5657 Ph: 415-883-5900, Fx: 883-5970	Nonresidential load calculations for HVAC equipment sizing. Exports forms to AutoCad for inclusion on blueprints. On-line help. 344 weather files for the U.S. and Canada. OS: DOS, Windows (95, NT). For California Users: Performs Title 24 compliance calculations; state-certified HVAC and DHW Equipment directories, Title 24 lighting calculations. Based on DOE-2.1E	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) Elite Software P.O. Box 1194 Bryan, TX 77806 Ph: 409-846-2340 / Fx: 846-4367	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. DOS	\$1295 w/documentation Source code not available.
FTI/DOE2 (Scott Henderson) Finite Technologies Inc. 3763 Image Drive Anchorage, Alaska 99504 Ph: 907-333-8937, Fx: 333-4482	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 OS: DOS, Windows (3.x, 95, NT) AIX, ULTRIX, VMS, Linux, NeXTStep,	\$ 995.99 US w/documentation \$1066 Int'l w/documentation \$4999.99 Source code
PRC-DOE-2 (Paul Reeves) 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. OS: DOS, Windows (95, NT)	\$ 495 w/documentation Source code not available.
VisualDOE 3.1 (Eric Kolderup) Charles Eley Associates 142 Minna Street (2 nd floor) San Francisco, CA 94105 Ph: 415-957-1977 - Fax 1381	Fast construction of building geometry with pre-defined blocks and drawing interface. Import zone shapes from CADD file (dxf). Point+click to define zone properties and HVAC systems. Dynamic 3-D model views. Online help. LiveUpdate through internet. 400+ US, foreign weather files. OS: Windows 95/98/NT/ME/2000/XP	\$800 new commercial license \$400 commercial upgrade from version 2.6 60% discount for educational use \$3000 Site license (up to 8 registration keys) \$8000 corporate license (up to 15 registration keys)
	Input Graphical Output Graphical Support 90 days free phone plus 1 year email support.; thereafter \$300/year per licensed user	

Support Tools for DOE-2

Program Name and Vendor	Description	Cost
DOE-2 Parametric Study Tool The Deringer Group, Inc. 1349 Addison Street Berkeley, CA 94702 Ph: (510) 843-9000, Fx: 843-9005	DOE2PARM – is an MS Windows-based tool that permits you to run, edit and link all the related input and output files together in the same window.	Free!
DoeRayMe (Jason Glazer, P.E.) GARD Analytics 1028 Busse Highway Park Ridge, Illinois 60068-1802 Ph: 847-698-5690	DoeRayMe is a simple and flexible user interface for DOE-2 “screening tool” applications. DoeRayMe uses a specially developed DOE-2 input template to change the user interface. This allows new “screening tools” to be developed by anyone with DOE-2 knowledge.	
DrawBDL (Joe Huang) Joe Huang & Associates 31 Sarah Lane Moraga CA 94556-2563 Ph: 925-247-9180	DrawBDL , Version 3.0, 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. OS: DOS, Windows (3.1, 95, 98, NT) [Works with 2.1E] email: tmchow@compuserve.com	\$125.00 plus shipping
PRC-DOE-2 (Paul Reeves) Partnership for Resource Conservation 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. OS: Windows (95, 98, NT) [Works with 2.1E]	\$99.00
RIUSKA (Tuomas Laine) Olof Granlund Oy P O Box 59 Helsinki, FIN-00701 Finland Ph: +358 (9) 351031 / Fx: 35103421	With RIUSKA user can add building envelope materials, internal loads and HVAC-system into the created 3D-model of the building and perform thermal calculations. RIUSKA can be used for space simulations to dimension cooling or heating equipments, or for energy calculations of the whole building. OS: Windows (95, 98, NT) [Works with 2.1E]	Contact Tuomas Laine for pricing.
Visualize-IT (Matt Brost) RLW Analytics, Inc. 1055 Broadway, Suite G Sonoma, CA 95476 Ph: 800-472-6716 Fx: 707-939-8823	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. OS: Windows 95, 98 and NT	\$500.00 per set Volume Discounts Available

Special Versions of DOE-2

Program Name and Vendor	Description	Cost
CBIP cbip.nrcan.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 (free)
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 (free)
DesiCalc GRI-98/0127 www.desicalc.com	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] OS: 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	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] OS: Windows 95, 98, NT	Contact Danny Parker at FSEC for availability.
Home Energy Saver (Residential DOE-2) 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 (free)
PERFORM 2001 California Energy Commission 1516-9 th St., MS-13 Sacramento, CA 95814 Ph: 916-654-5385	Created for the State of California Energy Commission's, Title 24 energy code . Perform 2001 is an interface shell with DOE-2 as the engine. PERFORM 2001 calculates building energy consumption for space heating, space cooling and domestic hot water heating, and compares the energy consumption of the building design against the requirements of the standards. DOS input. Output is only California Title 24 compliant. [Based on DOE-2.1E] Technical support \$100/year from Gabel-Dodd Energy Soft LLC, Call 415-883-5900 for details.	\$250 including PERFORM 2001 program and manual on CD. (VISA/MC) Order #PS-400-04-017 www.energy.ca.gov/reports/reports_400.html
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] OS: Windows 95, 98, NT	Free! Download

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.

Australia and 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 <http://www.fbe.unsw.edu.au/units/solarch>

Murray Mason, ACADS BSG, 18 High Street, Glen Iris, VIC. 3146, Australia / Tel: +61 39 885 6586 / Fax: +61 39 885 5974

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

Faculty of Civil Engineering, Dept. of Environmental and Building Services Engineering, Czech Technical University in Prague, Thakurova 7, 166 29 Praha 6, CZECH REPUBLIC <http://www.fsv.cvut.cz/ascii/index.htm> Tel: +42 2 2435 4327

Egypt

Dr. Ossama A. Abdou, Center for Building Environmental Studies and Testing (C-Best), 15-El-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 GmbH, 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, Mechanical Engineering Dept., University of Hong Kong, Pokfulam Road, Hong Kong (SAR), CHINA / cmhui@hku.hk, <http://web.hku.hk/~cmhui> Tel: +852 2859 2123 / Fax: +852 2858 5415

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, Managing Director Divisione Energie, Openplan SRL, c.so di Porta Nuova 13/15, 20121 Milano, Italy Tel: 39 02 626 94252, fax 36 02 2901 0531, <mailto:marco.rapella@openplan.it>, <http://www.openplan.it/>

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 (Seoul)

Dr. Jung-Ho Huh, Ph.D., Assistant Professor, Dongdaemoon-Gu Jeonnong-Dong 90, Dept. of Architectural Engineering, The University of Seoul, Seoul 130-743, Korea. -- huhj0715@uoscc.uos.ac.kr, Tel: +02-2210-2616 / Fax: +02-2248-0382

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, INETI, Departamento de Energias Renováveis (DER), Estrada do Paco do Lumiar, 1649-038 Lisboa, Portugal
rego.teixeira@mail.ineti.pt / Tel: +351 21 712 7237 / Fax: +351 21 712 7195

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, BG ingenieurs Conseils SA, 61 Avenue de Cour, Case postale, CH-1000 Lausanne, Switzerland
Tel: +41 21 618 1111, Fax: +41 21 618 1122, rene.meldem@bg-21.com

Disclaimer: The Building Energy Simulation User News was prepared as an account of work sponsored by the United States Government (USG). While this document is believed to contain correct information, neither the USG nor any agency thereof, nor the Regents of the University of California (RUC), nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process or service by its trade name, trademark, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the USG or any agency thereof, or the RUC. The views and opinions of authors expressed herein do not necessarily state or reflect those of the USG or any agency thereof or of the Regents of the University of California

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

Paul Bannister, Energy Group, Ltd., Unit 9, 14 Lonsdale Street, P. O. Box 25, Braddon, ACT 2612, Australia, Tel: 61 2 6257 7066, Fax 61 2 6257 7063,
mailto:paul@xgl.com.au, www.egl.net.com

Belgium

Andre Dewint, S.A. Alpha Pi n.v., Avenue Franklin Roosevelt 74 bte 2, B-1000 Bruxelles, BELGIUM, Tel: +32 2 343 4251 / Fax: +32 2 343 0377,
mailto:andewint@vub.ac.be

INTERNATIONAL DOE-2 ENERGY CONSULTANTS (continued)

Canada

Curt Hepting, P.Eng. EnerSys Analytics, 2989 Delahaye Drive, Coquitlam, B.C. V3B 6Y9 Canada <mailto:chepting@enersys.ca>, <http://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,
<mailto:dwtvan@dwtc.bc.ca>, <http://www.dwtc.bc.ca/>

Neil A. Caldwell, PE, Ameresco Canada, Inc., 1730 - 401 West Georgia St., Vancouver, BC V6B 5A1 Canada ,Tel (604) 684-4984 / Fax (604) 684-4985
<mailto:ncaldwell@ameresco.com>

Dr. Stephane Bilodeau, PE, President, Groupe Enerstat, Inc., 79 Wellington North #202, Sherbrooke (Quebec) J1H 5A9, Canada
sbilodeau@groupeenerstat.com, <http://www.groupeenerstat.com/english/index.htm/> 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, <mailto:gshymko@home.com>, Tel: (403) 254-4776,
Fax: (403) 254-4795

Michael Wilson, P.Eng. Enerficiency Consulting, 455 Elphinstone Ave., Gibsons, BC, Canada V0N 1V1 Canada,
Tel: 604-886-9864 / Fax: 604-676-2604 fax, mwilson@enerficiency.ca / <http://www.enerficiency.com/>

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

Ireland

Paul Overy, Overy + Associates, Mechanical and Electrical Consulting Engineers, Gurtnafluer Business Park, Clonmel, Co Tipperary, Ireland
Tel: +353 (0)52-27667, Fax: +353 (0)52-29238 <http://www.very-assoc.com/>

Italy

Marco Rapella, Managing Director Divisione Energie, Openplan SRL, c.so di Porta Nuova 13/15, 20121 Milano, Italy Tel: 39 02 626 94252, fax 36 02 2901 0531,
<mailto:marco.rapella@openplan.it>, <http://www.openplan.it/>

Switzerland

René Meldem, BG ingenieurs Conseils SA, 61 Avenue de Cour, Case postale, CH-1000 Lausanne, Switzerland
Tel: +41 21 618 1111, Fax: +41 21 618 1122, rene.meldem@bg-21.com

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 / <http://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
California				
Joseph Deringer, Peter Zhang jderinger@deringergroup.com	The Deringer Group, Inc. www.deringergroup.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	1129 Keith Avenue		Berkeley, CA 94708	(510) 841-8083
Leo Rainer lirainer@davisenergy.com	Davis Energy Group, Inc. www.davisenergy.com	123 C Street	Davis, CA 95616	(916) 753-1100
Lisa Heshong Doug Mahone	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, James Trowbridge , P.E.	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 tlunneberg@ctg-net.com	Constructive Tech. Group www.ctg-net.com/main.htm	16 Technology Dr., #109	Irvine, CA 92618	(949) 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 PE, Kevin Warren kelsey@kw-engineering.com	kW Engineering www.kw-engineering.com	360-17 th Street #100	Oakland, CA 94612	(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
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
James Trowbridge , P.E. jim@epmaker.com	Trowbridge Engineering	8240 Caribbean Way	Sacramento, CA 95826	(916) 803-5436
Greg Cunningham gwc@essinc.com	ESSengineering	114 Sansome St., #1201	San Francisco, CA 94104	(415) 296-9760 fax: 784-9761
Dr. Tianzeng Hong, Eric Kolderup info@eley.com	Eley Associates www.eley.com	142 Minna Street	San Francisco, CA 94105	(415) 957-1977 fax: 957-1381
Chandra Shinde , PE	Envirodesign Group	19613 El Camino Esplanade	Walnut, CA 91789-2138	(909) 598-1980

U. S. DOE-2 ENERGY CONSULTANTS (continued)

Colorado				
Fred Porter	Architectural Energy Corp	2540 Frontier Ave, #201	Boulder, CO 80301	(303) 444-4149 fax: 444-4304
Ellen Franconi	Nexant	1401 Walnut Street, #403	Boulder, CO 80302	(303) 440-4343 fax: 440-6644
Susan Reilly denver@enermodal.com	Enermodal Engineering	1554 Emerson Street	Denver, CO 80218	(303) 861-2070 fax: 830-2016
Joel Neymark, PE neymarkj@qwest.net	J. Neymark & Associates	2140 Ellis Street	Golden, CO 80401	(303) 384-3672 fax: 384 9427
Norm Weaver, PE n_weaver@interwvr.com	Interweaver Consulting www.interwvr.com	P.O. Box 775444	Steamboat Springs, CO 80477	(970) 870-1710
Adrian Tuluca swa@swinter.com	Steven Winter Associates www.swinter.com	50 Washington Street	Norwalk, CT 06854	(203) 857-0200 fax: 852-0741
Florida				
Philip Wemhoff wemhoffp@buildingsleuth.com	9765 MacArthur Court North		Jacksonville, FL 32246	(904) 645-5342
Dr. Paul Hutchins PE, CEM	Reynolds Smith & Hills, Inc. www.rsandh.com	10748 Deerwood Park Blvd South	Jacksonville, FL 32256-0597	(904) 256-2500 fax: 256-2501
Georgia				
Lung-Sing Wong, PE lswong@bpe-inc.com	Building Performance Engineers www.bpe-inc.com	3060 Wanda Woods Drive	Atlanta, GA 30340	(770) 270-0100
Illinois				
Gary H. Michaels, PE	G.H. Michaels Associates	1512 Crain Street	Evanston, IL 60202	(847) 869-5859
Prem N. Mehrotra	General Energy Corp.	230 Madison Street	Oak Park, IL 60302	(708) 386-6000
Robert Henninger, PE rhenninger@gard.com	GARD Analytics, Inc. www.gard.com	1028 Busse Highway	Park Ridge, IL 60068-1802	(847) 698-5686
Kansas				
Dr. Brian A. Rock, PE	U. Kansas, A/E Dept, Marvin Hall	barock@ukans.edu	Lawrence, KS 66045-2222	(785) 864-3603
Massachusetts				
C. Kalasinsky PE, T.Chan	R.G. Vanderweil Engrs., Inc. www.vanderweil.com	274 Summer Street	Boston, MA 02458-1113	(617) 423-7423 fax: 423-7401
Mark Mullins	Select Energy Services http://www.selectenergysci.com/	24 Prime Parkway	Natick, MA 01760	(508) 653-0456 fax: 653-0266
Michael Andelman, P.E. mike@andelmanlelek.com	Andelman and Lelek Engineering, Inc. www.andelmanlelek.com	1410 Providence Highway	Norwood, MA 02062	(781) 769-8773 fax: ***-****

U. S. DOE-2 ENERGY CONSULTANTS (continued)

Minnesota				
Daniel A. Katzenberger , P.E. dan@k-usa.com	Katzenberg USA Inc. http://www.k-usa.com/	7540 Edinborough Way, 1303	Edina, Minnesota, MN 55435	(952) 893-7379 fax 952-835-1442
Missouri				
Mike Roberts	Roberts Engineering Co.	11946 Pennsylvania	Kansas City, MO 64145	(816) 942-8121
Bruce A. Leavitt , PE	Wm. Tao & Associates Inc.	2357-59 th Street	St. Louis, MO 63110	(314) 644-1400
Montana				
Michael W Harrison , PE	Harrison Engineering	139 Bluebird Lane	Whitehall, Montana 59759	(406) 287-5370
Nebraska				
Philip M. Schreier , PE FEI-OMA@worldnet.att.net	Farris Engineering www.nebraska.org/4/4/01/00/co.htm	11239 Chicago Circle	Omaha, NE 68154-2634	(402) 330-5900 fax: 330-5902
New York				
Robert E. Gibeault gibeault@pbworld.com	PB Power, Inc. www.pbworld.com	1873 Western Avenue #201	Albany, NY 12203	(518) 862-0012 fax: 862-1608
J. Fireovid , P.E., K. Yousef , P.E.	SAIC Energy Solutions Div. www.saic.com	421 New Karner Road	Albany, NY 12205	(518) 452-8800 fax: 452-8111
Dave Pruitt, Scott Frank	Jaros, Baum & Bolles www.jbb.com	80 Pine Street	New York, NY 10005	(212) 530-9300
North Carolina				
Gopal Shiddapur , PE gsshidda@duke-energy.com	DukeSolutions (MC: ST05A) duke-energy.com	230 S. Tryon Street, # 400	Charlotte, NC 28202	(704) 373-4439 fax: 373-4872
Oregon				
Carol Gardner	Gardner Energy Management Services	PO Box 12549	Portland, OR 97212-0549	(503) 223-4847 fax: 223-8486
John P. Karasaki , P.E. john_karasaki@pgn.com	Energy Services Group	16280 SW Upper Boones Ferry Rd.	Portland, OR 97224	(503) 603-1629
Pennsylvania				
Kimberly Byk , wba@utcorp.com	Wood, Byk & Associates, Inc.	829 Meadowview Road	Kennett Square, PA 19348	(610) 347-0710 fax: 347-0711
Texas				
Jeff S. Haberl jhaberl@esl.tamu.edu	Energy Systems Laboratory esl.tamu.edu	Texas A&M University	College Station., TX 77843-3123	(409) 845-6065
Tarek Bou-Saada	bousaada@flash.net	4410 Grand Cayman Drive	Sugar Land, TX 77479	(281) 265-9139

U. S. DOE-2 ENERGY CONSULTANTS (continued)

Virginia				
Jay Hall jayhall@icfconsulting.com	ICF Consulting	9300 Lee Highway	Fairfax, VA 22031	(410) 263-3162 fax (703) 934-3530
Kurmit C. Rockwell, P.E. CEM krockwell@xenergy.com	XENERGY	4400 Fair Lakes Court	Fairfax, VA 22033-3811	(703) 631-6912 fax: 631-4119
Dave Walker walkeng@swva.net	Walker Engineering www.swva.net/walkeng	P.O. Box 366, 4230 Pulaski Giles Turnpike	Staffordsville, VA 24167	(540) 921-4544 fax: 921-4548
Dr. Hosan F. Abaza	mailto:habaza@vt.edu	1405 Bayside Avenue #12	Woodbridge, VA 22191	(703) 498-3084 fax: 550-9755
Washington				
Steve Byrne byrne@item.com	ITEM Systems, www.item.com	8121 –188 th Street SW	Edmonds, WA 98026	(425) 640-3210
Gregory J. Banken, PE gbanken@qmetrics.com	Q-Metrics, Inc. www.qmetrics.com	P.O. Box 3016	Woodinville, WA 98072-3016	(425) 825-0200 fax: 825-0136