

Web-based databases, Internet databases and resources, and services provided by the Hanford Technical Library that direct the user to energy-related information

Department of Energy (DOE) Home Page: <http://www.energy.gov/>

This web site provides energy-related research and information funded by DOE that targets national security, energy sources, energy efficiency, environment, energy prices & trends, health and safety & security.

DOE Information Bridge--Public Access: <http://www.osti.gov/bridge>

The DOE Information Bridge provides access to full-text and bibliographic records of DOE research and development reports in physics, chemistry, materials, biology, environmental sciences, energy technologies, engineering, computer and information science, renewable energy, and other topics. The database includes reports processed since January 1995 by the DOE Office of Scientific and Technical Information, as well as some earlier reports.

Ei Engineering Village 2: <http://www.engineeringvillage2.org/> The Ei Engineering Village 2 provides access to Compendex, Inspec, and NTIS . Use the Analysis tools to get a snapshot view of researchers, author affiliations and keywords prominent in your field of research. Compendex focuses on engineering literature, Inspec covers the fields of physics, electronics, computing, control engineering and information technology, and NTIS handles US government sponsored research.

Energy Central Professional: <http://pro.energycentral.com/>

Energy Central provides a broad base of information products - news, directories, events, databases, books, periodicals, reports - all focused on the electric power industry. In addition, this database offers premium news and information service for the global power industry incorporating subscriber only email service and web based content. You can select the content you wish to be included in your daily email as well as customize the layout of your email.

Available to PNNL employees only. To use email alerts, you need to register using your pnl.gov email address.

Energy Citations – Public Access: <http://www.osti.gov/energycitations/>

The Energy Citations Database – designed and developed by the DOE Office of Scientific and Technical Information – contains citations for energy and energy-related scientific and technical information from DOE and its predecessor agencies. The database provides access to DOE publicly available citations from 1948 through the present, with regular updates. Data from DOE's Information Bridge is included as well, so many full-text documents published after 1995 are also available. In addition, a DOE/Contractors version of this database, *Science Research Connection*, is located at <http://www.osti.gov/src/index.jsp>. This version requires registration and contains citations to, and some full-text links for, limited distribution and foreign country documents exchanged through the International Nuclear Information System (INIS) and the Energy Technology Data Exchange (ETDE).

Energy Information Administration (EIA): <http://www.eia.doe.gov/>

Created by Congress in 1977, the EIA is a DOE statistical agency that provides policy-independent data, forecasts, and analyses to promote sound policy making, efficient markets, and public understanding regarding energy and its interaction with the economy and the environment. Full-text publications, directories, and feature articles are available at <http://www.eia.doe.gov/bookshelf.html>.

Energy Technology Data Exchange (ETDE): <http://www.etde.org/ETDEWEB/>

Energy Technology Data Exchange World Energy Base includes information on the environmental impact of energy production and use, including climate change; energy R&D; energy policy; nuclear, coal, hydrocarbon and renewable energy technologies and much, much more. Bibliographic citations plus links to full text if available. Access to this database is via IP authentication.

IEEE Xplore: <http://ieeexplore.ieee.org>

IEEE Xplore provides access to abstracts and full-text IEE and IEEE publications from 1988 to the present, plus all current IEEE Standards. The Hanford Technical Library subscription includes IEEE journals, transactions, magazines, conference proceedings, and current standards, and IEE journals and conference proceedings.

IHS Standards Database: <http://www.ihserc.com>

The IHS Standards Database provides full text of all American Society of Mechanical Engineers (ASME), American Society for Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), Electronic Industries Alliance (EIA - DoD Adopted) National Electrical Manufacturers Association (NEMA), UL Electrical and most American National Standards Institute (ANSI) standards, and more! **Desktop access is limited to PNNL, DOE, Fluor Hanford, and CH2M Hill Hanford Group, Inc.** Contact the Hanford Technical Library Information Desk (<mailto:pnl.techlib@pnl.gov> or 372-7430) for password information.

International Nuclear Information System (INIS): <http://inis-a4.iaea.org/inis/php/index.php>

INIS announces scientific literature published worldwide on the peaceful applications of nuclear science and technology. In addition, this database provides information on the economic and environmental aspects of all non-nuclear energy sources from 1992. INIS contains more than two million scientific and technical bibliographic references (from 1970 to the present). It also contains bibliographic citations to journal articles, research and development reports, conference papers, books, patents, theses, laws, regulations, and standards. **Note:** Access is IP authenticated.

Knovel <http://www.knovel.com>

This full-text database includes hundreds of electronic reference books, with new information added monthly. Titles in the topic area of **Electrical & Power Engineering** include: *Environmental Impact of Power Generation*, *Handbook of Batteries* (3rd Edition), *Handbook of Electric Power Calculations* (3rd Edition), and more!.

Leona – The Hanford Technical Library Online Catalog: <http://libcat.pnl.gov> Leona provides access to materials in the Hanford Technical Library. Links to electronic journals, reports, books, standards are included in the records for convenient access. Check out and renew materials at your desktop without leaving your office!

National Technical Information Service (NTIS):

<http://www.engineeringvillage2.org/controller/servlet/Controller?CID=quickSearch&database=4>

The NTIS database provides the latest U.S. government-sponsored research and worldwide scientific, technical, engineering, and business citation information from 1964 to the present. Agencies represented by reports in this database include DOE, the U.S. Environmental Protection Agency, Nuclear Regulatory Agency, National Institute for Occupational Safety and Health, National Aeronautics and Space Administration, Department of Defense, and U.S. Fish and Wildlife. Many of these reports are available from the Hanford Technical Library's technical reports collection and may not be in Leona, the Library Catalog. Please contact the Information Desk (509) 372-7430 or pnl.techlib@pnl.gov to inquire about specific reports.

Web of Science: <http://isiknowledge.com/wos>

This Web-based version of the Science Citation Index allows users to search for articles by title, keywords, and author as well as by cited reference. Coverage from 1970 to present is provided for the bibliographic references; cited references may refer to older articles. **Note: Access is limited to PNNL staff only.**

Note: Additional energy-related Web sites are located at <https://library.pnl.gov/resourcebysubject.asp?subjectid=17>

Hanford Technical Library Services

Electronic Journals (<https://library.pnl.gov/journals.asp>): Provides access to the entire collection of electronic journals available through the Hanford Technical Library. Go to **Sort by Subject** to access energy-related electronic journals.

Electronic Databases and Resources (<https://library.pnl.gov/databases.asp> and <https://library.pnl.gov/subjects.asp>): Provides access to all databases available to the Hanford Technical Library, or to databases by subject area.

Electronic Reports (<https://library.pnl.gov/resourcebysubject.asp?subjectid=56>): Provides access to a variety of electronic report sources. The Hanford Technical Library houses over 800,000 technical reports. Contact the Hanford Technical Library Reference Desk (<mailto:pnl.techlib@pnl.gov> or 372-7430) to inquire about specific reports.

Order Forms (<https://htlforms.pnl.gov/htlform.nsf/welcome?openform>): Provides an online method for obtaining materials not available through the Hanford Technical Library.