



January 2016

This is a monthly newsletter highlighting services and subject-specific resources provided by the [PNNL Technical Library](#). It is best viewed in HTML format in your email client.

[Get help with literature searches](#)

[Energy newsletters](#)

[New eBooks](#)

[Tip: Check several resources for your H-index](#)

Justin Day, Research Librarian
Laura Connolly, Research Librarian
Pat Stauffer, Research Librarian, Associate Senior

Get help with literature searches

This is the time of year when projects are in full gear, and the Technical Library sees more requests for Research Librarians to perform literature searches. Scientists and engineers ask us to search the library's databases and retrieve references about their research topic. Why? They see value in using our skill sets with search and analysis, and our charge rate is often cheaper. After an interview about what information you want to find, we will search, retrieve, and deliver references in an EndNote library, Word document, or Excel spreadsheet. Most searches take 2-4 hours of time. Reply or contact the [library](#) to get started.

Energy newsletters

Take advantage of several important and relevant energy and energy-related news services available to all staff members. [Clearing Up](#) and [California Energy Markets](#) allow you to stay current on what's going on in the changing energy landscape primarily in California, the Pacific Northwest, and other Western States. [Western Price Survey](#) focuses on power prices and [Relicensing Review](#) covers FERC power dam relicensing news in the Pacific Northwest and California. Interested in fish news from an energy industry context or daily reports of fish runs for the Columbia and Snake Rivers? Choose [Northwest Fishletter](#) and [Northwest FishWeb](#), respectively.

Sign up [here](#) to "pick and choose" the newsletters you want delivered to your Inbox. Select [Clearing Up](#) and read an article about a PNNL-led project to test the use of distributed energy resources for managing and stabilizing the power grid in the January 8 issue.

New eBooks

[Bioremediation and Bioeconomy](#), 2016

This book provides a common platform for scientists from various backgrounds to find sustainable solutions to environmental issues, including the ever-growing lack of water resources... The book addresses these challenges by presenting innovative and cost-effective solutions to decontaminate polluted environments, including usage of contaminated land and waste water for bioproducts such as natural fibers, biocomposites, and fuels to boost the economy.

[Building Information Modeling - Applications and Practices](#), 2015

This book...present[s] a comprehensive overview of the recent advances in the application of BIM across the AECO industry. The use of BIM is examined as a framework for structural design; in cost estimation; in adaptive cyber-physical systems; in construction progress monitoring and project management; in green building project delivery; in commissioning and facilities management; in military construction; in model assessment; and in integration with augmented reality.

[Efficient Lighting Applications and Case Studies](#), 2013

[T]his book presents an introduction to effective lighting design, and an examination of energy efficiency measures which can be implemented while simultaneously maintaining the required quality of illumination. Topics include lighting energy management, selection of lamps, task lighting, lighting design, lighting control, use of reflectors, ballast selection, natural daylighting, wireless lighting control, and case studies.

[Lighting & Controls - Transitioning to the Future](#), 2014

This book was written to assist the reader in making good lighting and lighting controls decisions which consider all of the most important and relevant new developments in lighting technology. Among key topics covered are LED lighting developments and applications, comparisons of LED with other types of light sources, maintenance costs, achieving low power density, the pros and cons of LED T8s, and human centric lighting.

[Energy Resilient Buildings & Communities - A Practical Guide](#), 2015

This book is written as a practical guide to those interested in the pursuit of energy resilience at a local scale. Examples are drawn from four key community types: military bases, healthcare campuses, educational campuses and municipal governments. The book then describes a framework for developing an energy resilience plan that applies to each.

[Handbook of Bioelectronics - Directly Interfacing Electronics and Biological Systems](#), 2015

This wide-ranging summary of bioelectronics provides the state of the art in electronics integrated and interfaced with biological systems in one single book. It is a perfect reference for those involved in developing future distributed diagnostic devices, from smart bio-phones that will monitor our health status to new electronic devices serving our bodies and embedded in our clothes or under our skin. An

exhaustive set of recently developed devices is also covered, providing the implementation details and inspiration for innovating new solutions and devices.

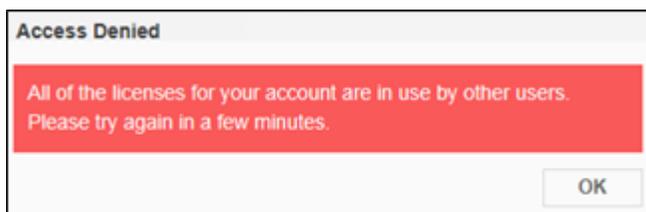
[Great Lessons in Project Management](#), 2015

Projects fail at an alarming rate, whether they are information technology, training, construction, or policy development projects. No matter the focus, each year we experience an abundance of challenged projects that either require super-human effort to resuscitate or die an untimely death. This book is a treasure trove of lessons learned from troubled projects.

[Renewable Energy Integration - Practical Management of Variability, Uncertainty, and Flexibility in Power Grids](#), 2014

This book is a ground-breaking new resource - the first to offer a distilled examination of the intricacies of integrating renewables into the power grid and electricity markets. It offers informed perspectives from internationally renowned experts on the challenges to be met and solutions based on demonstrated best practices developed by operators around the world.

Note: For eBooks from Knovel, the PNNL Technical Library purchases only one user seat. If you see this message, please try accessing the title later:



Tip: Check several resources for your H-index

Your H-index can vary depending on where you look. Why? First, databases (including Google Scholar) contain similar and dissimilar content. Second, times cited counts for the same publications can be different between databases. Ask a librarian to help you identify your H-index in Web of Science, Scopus, and Google Scholar to see for yourself how similar (or different) they are.

This email was sent to the following distribution lists:

- ^DL PNNL D9H50 Earth Systems Science
- ^DL PNNL D9H51 Geosciences
- ^DL PNNL D9H57 Ecology
- ^DL PNNL D9H53 Environmental Assessment
- ^DL PNNL D9H55 Environmental Systems
- ^DL PNNL D9H54 Hydrology
- ^DL PNNL D9H56 Risk & Decision Sciences
- ^DL PNNL D9H70 Coastal Sciences
- ^DL PNNL D7G70 Atmospheric Sciences & Global Change
- ^DL PNNL D7G71 Atmospheric Measurements and Data Sciences
- ^DL PNNL D7G72 ARM
- ^DL PNNL D7G73B Terrestrial Processes & Adapta
- ^DL PNNL D7G73C Integrated Modeling & Enrgy
- ^DL PNNL D7G74 Earth Systems Analysis and Modeling
- ^DL PNNL D7G75 Advanced Study & Development
- ^DL PNNL D9H80 Electricity Infrastruc & Bldgs

^DL PNNL D9H81 Electricity Infrastructure
^DL PNNL D9H81 Resilience
^DL PNNL D9H81 Integration
^DL PNNL D9H81 Analytics
^DL PNNL D9H81 Controls
^DL PNNL D9H82 Building Energy Systems
^DL PNNL D9H82 Advanced Building Controls
^DL PNNL D9H82 Building Performance
^DL PNNL D9H83 Energy Policy & Economics
^DL PNNL D9H83 Advanced Lighting
^DL PNNL D9H83 Energy Economics
^DL PNNL D9H83 Energy Tech & Market Adoption
^DL PNNL D9H85 Building Energy Regulatory Ana