



Energy Services

Succeed in Planning and you
will plan to succeed

Western's Energy Services Programs and
their Resources

August 5, 2011

Western has an “APP” for you

- Learn the Latest
- Ask Energy Experts
- Borrow Equipment
- Discover Energy Resources
- Plan your Future



Energy Services

News and Information

www.wapa.gov/es

- Breaking News
- Energy Services Bulletin
- Fact Sheets
- Events

The screenshot shows the Western Area Power Administration (WAPA) Energy Services website. The browser window title is "energy services homepage - Windows Internet Explorer" and the address bar shows "http://www.wapa.gov/es/". The website header includes the WAPA logo and the text "WESTERN AREA POWER ADMINISTRATION An agency of the U.S. Department of Energy" and "Energy Services Reliable Energy Solutions". A navigation menu contains links for Home, About Western, Power Marketing, Transmission, Jobs, EPTC, Energy Services, Corp. Services, Regions, Doing Business, Newsroom, Industry Links, and Federal Register Notices. The main content area features a "Breaking news" section with the headline "Western seeks Renewable Energy Certificates for Federal agencies" and a "DAILY TIP" section titled "Weatherstrip around doors, especially those that lead to the outside, or to unheated areas like garages or porches. And make sure to check the weatherstripping annually." Below this is a "QUESTION OF THE DAY" section about window energy efficiency. A "Calendar Updates" section lists a webinar on "SEPA Top 10 Utility Solar Rankings Report". The browser's taskbar at the bottom shows the Start button and several open applications, including Novell GroupWise, Mail, Microsoft PowerPoint, and My Documents.



Energy Services

Access to Energy Experts

From Western's Energy Services website:

Or Directly to Energy Experts:

WESTERN AREA POWER ADMINISTRATION
An agency of the U.S. Department of Energy

Energy Services *Reliable Energy Solutions*

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Corp. Services | Regions | Doing Business | Newsroom | Industry Links | Federal Register Notices

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Pumping System Efficiency Calculator
Energy Solutions
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Western seeks Renewable Energy Certificates for Federal agencies
Western Area Power Administration has issued [two Requests for Proposals](#) to purchase [Renewable Energy Certificates](#), or REC for short, on behalf of several Federal agencies. [RFPs for up to 315,000 megawatt-hours](#) of RECs over a six-year period for four Federal agencies are due July 1, 2011. The deadline for [RFPs for up to 3,629 megawatt-hours](#) of RECs on behalf of the National Renewable Energy Laboratory is July 8, 2011.

More Breaking news (sign up for our News Feed)

- SEPA report finds 100% increase in utility integrated solar power
- Upcoming deadlines
- Free webinar - New Light Bulb Standards: Controversy or Opportunity?
- SEPA seeks board members
- Videos from WINDPOWER 2011 available online

Western updates wind maintenance guidebook
Over the last few years, utilities that own wind farms have increasingly chosen to explore setting up in-house maintenance programs, rather than buying extended warranties from turbine manufacturers. Recognizing this trend, Western collaborated with [American Public Power Association's](#) DEED Program and [Wind Powering America](#) to create the 2008 guidebook, [Establishing an In-house Wind Maintenance Program](#).

Since the guidebook's publication, wind deployment has become more widespread, and wind power technology has made significant advances. The partnership will be updating the guidebook in 2011, and would like to hear from utilities about their experiences with in-house turbine maintenance. If you would like to contribute to the 2011 edition of [Establishing an In-house Wind Maintenance Program](#), please contact Western's [Renewable Energy Program](#) or [Energy Services](#).

DAILY TIP
Monitor stack temperatures on fossil fuel boilers.
If the stack temperature is more than 400 degrees above the boiler room temperature, schedule the boiler for a tune-up.

QUESTION OF THE DAY
STEAM TRAP MAINTENANCE: What's an average failure rate (and steam loss) for unmaintained steam traps?

[Answer](#)

Calendar Updates

- SEPA Top 10 Utility Solar Rankings Report - webinar; 11 a.m. Pacific Time June 23, 2011
- [MORE EVENTS >](#)
Check out the Department of Energy's [Energy Hog Web site](#).

RECOVERY.GOV

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Making it easier to implement energy efficiency or renewable energy technologies and best practices

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Tip Of The Day: herstrip around doors, especially those that lead to the outside, or to unheat... (click for more)

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www.wapa.gov/es/

www.energyexperts.org





Energy Services

Technical Questions Form

www.wapa.gov/UtilityServices/ES_TechHelp/default.aspx

Submit a technical question

Western's Energy Experts Hotline provides expert answers to your energy management questions. Call 1-800-769-3756.

Energy Experts Hotline Technical Assistance Request Form

Name:

Organization:

If you are not a Western customer, which Western customer are you representing? (Example: Your company gets power from a utility that is a Western customer, or you are a consultant working for a Western customer.)

Address (line 1):

Address (line 2):

City:

State:

Zip code:

E-mail:

Telephone:

Enter your technical question here (please provide background):

Live Question

My present pump is delivering fewer gallons per minute than it used to. How do I determine the savings from pump overhaul or replacement?

Energy Experts Hotline: 1-800-POWERLN (1-800-769-3756)

Energy Services

Western's Energy Experts Hotline & Website Offers:

- Technical Assistance with Energy Experts (engineers & specialists)
- Research Support with Professional Librarians
- On-line calculators (heating/cooling comparison, pumping and pool)
- Energy Solutions Database (real Q&As from engineers)
- Utility Options (innovative utility programs)
- Events & Jobs (free postings)

Add the Energy Experts widget to your site for content from the Energy Solutions Database



energyexperts.org

ENERGY RESOURCES ▾

- Turn-key DSM Lighting Web site**
Web7/22/2011
- Hydraulic Institute and Pumps System Matter Software, Tools, and more**
Web7/22/2011
- Laboratory Energy Efficiency Profiler (LEEP) Laboratory Energy Efficiency Profiler (LEEP) Laboratory Energy Efficiency Profiler (LEEP)**
Web7/8/2011
- Strategy Guideline: Accurate Heating and Cooling Load Calculations (PDF, 2.1 MB)**
Report/Document7/8/2011

Western Area Power Administration
EnergyServices

Get Widget



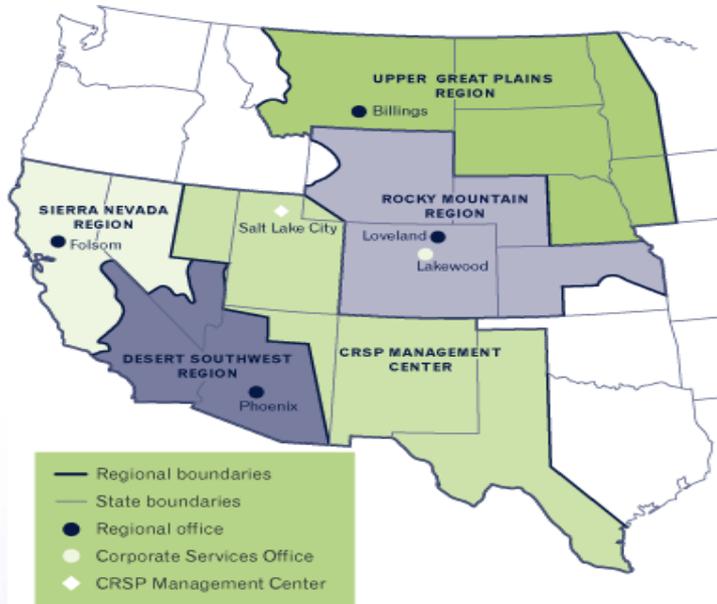
energyexperts.org

ENERGY EVENTS ▾

- Green Energy Technology Open House**
Littleton, CO - Starts: 8/8/2011 -
Created: 7/21/2011 1:40:00 PM
- Saving Energy in Multifamily Buildings**
Online, WEB - Starts: 7/26/2011 -
Created: 7/21/2011 1:13:26 PM
- Industry Review: Low-Cost Cold Climate Solar Water Heating Roadmap**
Online, WEB - Starts: 7/28/2011 -
Created: 7/21/2011 1:04:19 PM

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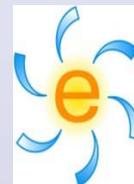
Energy Services
Representatives
located in five regions

Website available 24/7
www.wapa.gov/es

Toll-free **Energy Experts** Hotline for 1-on-1
technical and research assistance

1-800-769-3756

www.energyexperts.org



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Detect

- Faulty connections
- Heat loss/gain
- Mechanical failures
- Transformer issues
- Many others



Electrical Measurements

- Power consumption
- Power quality
- Distribution system evaluation



Educational Tools



- Lighting efficiency
- Home energy use
- Renewable energy demonstrations
- Data collection





Energy Services

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Questions