



U.S. ARMY

Western Review of Legislative & Regulatory Actions Region 10



The U.S. Army Regional Environmental & Energy Office

November 2014

The **REGION 10 WESTERN REVIEW** publishes environmental and energy related developments for DoD/Army leaders and installation staff. Covering the four states in Federal Region 10, the *Western Review* gives early notice of legislative and regulatory activities relevant to DoD interests. The *Review* also helps installations meet ISO 14001 environmental management system requirements. Find out more about the Army Regional Environmental and Energy Offices [here](#). Click [here](#) to browse back issues of the *Western Review*. To read back issues of other Regional Office *Reviews*, click on a region of the REEO website's U.S. map and then select "Publications." To receive a copy of this electronic publication, [send a subscription request](#).

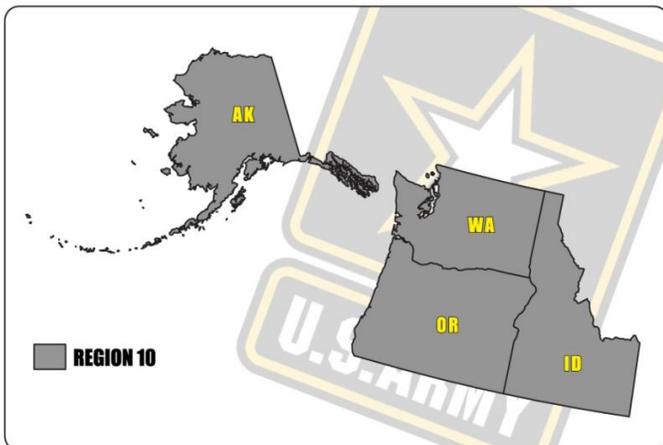


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ARMY 2014 ENERGY AND WATER MANAGEMENT AWARDS

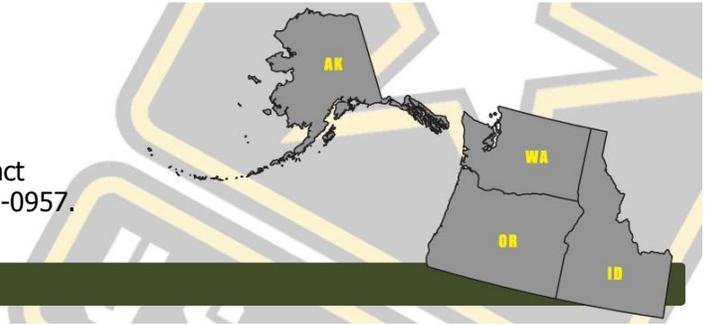
Recipients of the 2014 Secretary of the Army Energy and Water Management Awards have been [announced](#). The [annual awards program](#) – now in its 36th year – recognizes installations, small groups, and individuals from the Army, Army Reserve, and Army National Guard who make significant achievements in installation energy conservation and water management. Categories for the award include Energy Efficiency/Energy Management, Innovation and New Technology, Renewable/Alternatives, Water Conservation, and Demand Side Management/ Load Shedding. The 2014 award recipients are:

- Mr. Todd Dirmeyer – Fort Hunter Liggett, Calif. (Individual)
- Mr. Bobby Lynn, Ms. Africa Welch-Castle, Mr. Edwin Frazier, and Mr. Huey Keaton – Fort Hood, Texas (Small Group)
- Mr. Gary Pacella, Mr. James Douglas, and Ms. Gricel Robles – Picatinny Arsenal, N.J. (Small Group)
- Mr. Craig Collins, Ms. Irene Beck, Mr. George Dill, and Mr. Jose Gallegos – White Sands Missile Range, N.M. (Small Group)
- Mr. Lawrence Michael Norton, Mr. William Irby, Mr. Robert Mackey, Mr. Wesley Malone, Ms. Lisa Harris, Mr. Jason Bray, Mr. Earl Johnson, Ms. Barbara Osterkamp, Mr. Bruce Forsberg, Mr. Andy Long, and Ms. Margaret Simmons – U.S. Army Corps of Engineers (USACE), Huntsville Center, Huntsville, Ala. (Small Group)
- Presidio of Monterey, Calif. (Installation)
- Fort Stewart, Ga. (Installation) and
- Fort Carson, Colo. (Installation)

Recipients were formally recognized at a Pentagon ceremony 29 OCT 14 by the Honorable Katherine Hammack, Assistant Secretary of the Army for Installations, Energy and Environment.

Region 10

For more information on any state issues in Region 10, contact [Park Haney](#), Region 10 Environmental Coordinator (303) 844-0957.



CLEANUP

CONTAMINATED SITE WORK The Alaska Department of Environmental Conservation (ADEC) [is proposing](#) to broaden the number of individuals who may qualify to conduct environmental work at contaminated sites and underground storage tank sites. The amendments would permit a qualified sampler to conduct certain activities when a qualified environmental professional is not available. Other changes would adopt updates to referenced documents, make clarifications and simplifications, and improve consistency. The proposed rulemaking would amend Title 18, Chapter 75 of the Alaska Administrative Code dealing with Oil and Other Hazardous Substances Pollution Control, and Title 18, Chapter 78 of the Alaska Administrative Code dealing with Underground Storage Tanks. Comments are due 26 NOV 14. For more information, contact [Sally Schlichting](#).

WATER

GENERAL PERMIT FOR NON-CONTACT COOLING WATER DISCHARGES ADEC [issued a notice of review](#) informing the public that the department has prepared an Alaska Pollutant Discharge Elimination System (APDES) [final general permit](#) for non-contact cooling water discharges (AKG250000). The final general permit authorizes the discharge of waters that remove heat from industrial processes to surface waters. Examples of covered activities include discharges of non-contact cooling water, defrost water, heat pump transfer water, and cooling tower blowdown. Facilities that have separate APDES coverage for the type of discharge covered under this general permit do not need to apply for coverage under the Non-contact Cooling Water General Permit (i.e., dual APDES permit coverage for the same type of discharge is not required). The final permit is effective 4 DEC 14. It expires 3 DEC 19. For more information, contact [Steven Russell](#) at (907) 334-2227 or view this [fact sheet](#).

LEGISLATIVE DEVELOPMENTS

The [Alaska 2015 legislative session](#) begins 20 JAN 15 and adjourns 17 APR 15. For information about legislation in 2014, refer to the [May 2014](#) edition of the Review.



WASTE

NON-MUNICIPAL SOLID WASTE LANDFILLS The Idaho Department of Environmental Quality (IDEQ) [is inviting public comment](#) on [draft guidance](#) for non-municipal solid waste landfills (NMSWLFs) in the state. NMSWLFs fall into two

general categories: construction and demolition waste landfills (C&D landfills) and industrial waste landfills. The draft guidance addresses siting criteria and restrictions, required design and construction elements and systems, and operating procedures (prohibitions, safety, and recordkeeping). Comments are due 5 DEC 14. For more information, contact [Dean Ehlert](#) at (208) 373-0416.

WATER

SUBSURFACE SEWAGE DISPOSAL IDEQ [is inviting public comment](#) on proposed revisions to its guidance on how to design, construct, and operate subsurface sewage disposal systems. The proposed revisions to the Technical Guidance Manual for Individual and Subsurface Sewage Disposal Systems (TGM) address septic tank maintenance techniques, septic tank approval and approval transfer procedures, drainfields, incinerator toilets, intermittent sand filters, steep slope systems, septic tank and dosing chamber installation, and extended treatment package systems. The changes are designed to ensure that the TGM reflects current public health standards. The guidance manual is web-based. To view the specific sections that are being revised, visit [IDEQ's website](#). Comments were due 14 NOV 14. For more information, contact [Tyler Fortunati](#) (208) 373-0140.

LEGISLATIVE DEVELOPMENTS

The [Idaho 2015 legislative session](#) begins 12 JAN 15 and is estimated to adjourn 3 APR 15. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



CLIMATE CHANGE

PHASE 2 CLEAN FUELS The Oregon Department of Environmental Quality (ODEQ) [is proposing](#) to amend and adopt phase 2 clean fuel standards. The amendments are intended to reduce greenhouse gas (GHG) emissions from Oregon transportation fuels by 10% over a 10-year period. The amendments would require importers of transportation fuels to reduce the average carbon intensity of fuels they provide in Oregon to meet the annual clean fuel standards. To meet the standards, regulated parties would select the strategy that works best for them, such as incorporating more lower-carbon biofuels, natural gas, biogas, propane, or electricity into their fuel mix or by purchasing clean fuel credits from providers of clean fuels. The amendments would also allow providers of clean fuels to generate and sell clean fuel credits for the fuels they provide in Oregon, modify the definition of fuel importer to be the owner of the fuel when it crosses into Oregon, and establish fuel supply and fuel price deferrals to contain the costs of the program. The rulemaking, which implements [House Bill 2186](#) (2009), amends Oregon Administrative Rule (OAR) [340-253](#). A public hearing was held 6 NOV 14. Comments were due 7 NOV 14. For more information, contact Maggie Vandehey at (503) 229-6878.

ENERGY

SOLAR PILOT PROGRAMS The Oregon Public Utility Commission [adopted amendments](#) to rules governing the state's Solar Pilot Programs (OAR [860-084](#)). The rulemaking adds 2.5 megawatt (MW) to the total solar photovoltaic pilot capacity available statewide (bringing the total to 27.5 MW), extends the enrollment termination date another year to 31 MAR 16, and allows the commission to adopt and adjust, without rulemaking, the percentage goal for capacity deployed by residential and small commercial qualifying systems. The final rules were effective 14 OCT 14. For more information, contact the commission at (503) 378-4372.

NATURAL RESOURCES

SALMON HABITAT MAPS The Oregon Department of State Lands [is proposing](#) amendments to adopt revised Essential Indigenous Anadromous Salmonid Habitat (ESH) maps based on current data and standards. State rules require the maps be updated annually. The 2014 update resulted in addition of new stream reaches and deletion of others. There was a net increase of 500 stream miles (approximately 3%) over the current 2010 ESH designation. The amendments would update OAR [141-102-0020](#) and [141-102-0030](#). A public hearing was held 16 OCT 14. Comments are due 28 NOV 14. For more information, contact Tiana Teeters at (503) 986-5239.

NONNATIVE WILDLIFE REGULATIONS The Oregon Department of Fish and Wildlife [adopted amendments](#) to OAR [635-56](#) to classify as prohibited non-controlled or controlled species and amend criteria for classification request. The final rules were published 1 OCT 14, effective 11 SEP 14. For more information, contact Therese Kucera at (503) 947-6033.

WATER

WATER SUPPLY DURING DROUGHT EMERGENCY The Oregon Water Resources Department [adopted amendments](#) that authorize the Oregon Water Resources Commission to grant a preference for the use of water for stock watering and human consumption in Klamath County during a governor declared drought emergency in the county. Without the preference, the use of water for human consumption and stock watering would be subject to regulation, and as a result, water that would otherwise be used to meet these needs would not be available. The final rule was effective 26 SEP 14. For more information, contact Cindy Smith at (503) 986-0876.

LEGISLATIVE DEVELOPMENTS

The [Oregon 2015 legislative session](#) begins 2 FEB 15 and is estimated to adjourn 11 JUL 15. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



AIR

GHG REPORTING RULE The Washington Department of Ecology (WADOE) [is proposing](#) to amend its reporting of GHG emissions rule (Chapter [173-441](#), Washington Administrative Code (WAC)). The amendments are intended to align state rules with the federal GHG reporting program. The revisions would revise global warming potentials in WAC 173-441-040; update calculation and monitoring methods, streamline reporting requirements, and make housekeeping corrections. A public hearing is scheduled for 3 DEC 14. Comments are due 10 DEC 14. For more information, contact [Stacey Callaway](#) at (360) 407-7528 or visit the [rulemaking website](#).

NORTHWEST CLEAN AIR AGENCY FEES, OPEN BURNING, ADOPTION BY REFERENCE The Northwest Clean Air Agency [adopted a suite of amendments](#) to its [air quality program rules](#). The amendments:

- Update effective dates to ensure the most recent version of referenced regulations are adopted;
- Adopt by reference federal air quality rules (including parts or subparts of Title 40 Code of Federal Regulation (CFR) Part 50, 60, 63, and 65);
- Revise how fees are published for the open air burning program; and

- Revise the outdoor burning program (Section 502), agricultural burning program (Section 504), asbestos program (Section 570), and fugitive dust program (Section 550) to better reflect current implementation and improve clarity.

The final rules were effective 12 OCT 14. For more information, contact [Mark Buford](#).

NATURAL RESOURCES

STATE NOXIOUS WEED LIST The Washington Noxious Weed Control Board [is proposing](#) to update the state noxious weed list and to amend its bylaws found in [Chapter 16-750 WAC](#). The update would add one Class A noxious weed and three Class C noxious weeds; reclassify one Class A noxious weed; modify designations of nine Class B noxious weeds; update the scientific names of three noxious weeds; and extend officer terms. A public hearing is scheduled for 28 NOV 14. For more information, contact [Alison Halpern](#) at (360) 902-2053.

NOXIOUS WEED SEED AND PLANT QUARANTINE The Washington Department of Agriculture is considering adding additional species to the noxious weed seed and plant quarantine. The proposal would prohibit [Butterfly bush](#) (*Buddleja davidii*), except for sterile hybrid cultivars; [yellow archangel](#) (*Lamium galeobdolon*); [lesser celandine](#) (*Ficaria verna*); and all nonnative [hawkweed](#) species and hybrids (*Hieracium spp.*). For more information, contact [Brad White](#) at (360) 902-1907.

WATER

GENERAL PERMIT: VESSEL DECONSTRUCTION WADOE [announced](#) approval of its final national pollutant discharge elimination system (NPDES) [vessel deconstruction general permit](#). The permit requires permittees to develop and implement deconstruction and site management and solid waste control plans and comply with applicable limitations. It also details inspection, sampling, and reporting requirements. The final permit is effective 1 DEC 14. For more information, contact [Vincent McGowan](#) at (360) 407-6433, visit WADOE's vessel deconstruction general permit [website](#), or view this [fact sheet](#).

LEGISLATIVE DEVELOPMENTS

The [Washington 2015 legislative session](#) begins 12 JAN 15 and estimated to adjourn 14 MAR 15. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.

Department of Defense Activity

CLIMATE CHANGE

DOD CLIMATE CHANGE ADAPTATION ROADMAP The Pentagon released a report titled [2014 Climate Change Adaptation Roadmap](#). The report asserts that climate change poses an immediate threat to national security, with increased risks to terrorism, infectious disease, global poverty, and food shortages. It predicts rising demand for military disaster response as extreme weather creates global humanitarian crises.

ENERGY

RENEWABLE ENERGY FOR NAVY IN CALIFORNIA In coordination with the Navy's Renewable Energy Program Office, the Department of Energy's (DOE's) Western Area Power Administration (WAPA) [issued a request for proposal](#) (RFP) to meet the renewable energy requirements of 14 Navy installations in California. Under the RFP, the Navy will be able to

contract to purchase power, along with the associated renewable energy credits, from new renewable energy generation projects for up to 25 years, at a stated fixed price with no escalation. Projects may be up to 150 MW and do not need to be on Navy or DoD lands. Projects must be compliant with California Renewable Portfolio Standard Content Category One Bundled Green Energy. For more information, contact Stacy Russ.

DROP-IN BIOFUEL PRODUCTION The Navy, DOE, and U.S Department of Agriculture (USDA) [announced](#) that three companies have been awarded contracts to construct and commission biorefineries capable of producing “drop-in” biofuels to meet the transportation needs of the military and private sector. In total, the projects will produce more than 100 million gallons of military grade fuel beginning in 2016 and 2017. The drop-in alternative fuels can be blended at a 50/50 ratio with traditional fossil fuels. Contracts were awarded to:

- Emerald Biofuels: to build an 82 million gallon per year refinery on the Gulf Coast using waste fats to create military grade fuel.
- Fulcrum BioEnergy: to build a 10 million gallon per year refinery in McCarran, Nevada, using municipal solid waste as its feedstock and the Fischer-Tropsch process to create fuel.
- Red Rock Biofuels: to build a 12 million gallon per year refinery in Lakeview, Oregon, using woody biomass or the by-products of forest management as its feedstock and the Fischer-Tropsch process to create a refined product.

SUSTAINABILITY

ARMY SUSTAINABILITY REPORT The Assistant Secretary of the Army for Installations, Energy and Environment [released](#) the Army's [Sustainability Report 2014](#), highlighting the Army's progress in Fiscal Years 2012-2013. The report describes progress in land management, operational energy, community partnerships, and programs that support holistic health and well-being. It includes sections on installations, operations, and commitment to soldiers, families, and communities. Each section addresses topics of note, reports progress against relevant sustainability metrics, and highlights successes. This report aligns with the Army's reporting with the [DoD Strategic Sustainability Performance Plan](#), per Executive Order (EO) [13514](#) (Federal Leadership in Environmental, Energy, and Economic Performance).

Federal Activity

AIR

HCFC IMPORT AND EXPORT, RECLAMATION The Environmental Protection Agency (EPA) is adjusting the allowance system for the consumption and production of hydrochlorofluorocarbons (HCFCs) ([79 FR 64253](#)). The agency released a final rule that sets annual production and consumption allowances for HCFC-22, HCFC-142b, HCFC-123, and HCFC-124 for the years 2015-2019. The rule also makes minor changes to the reclamation regulations, updates the use restrictions to account for a recent amendment to the Clean Air Act (CAA), and finalizes a de minimis exemption to the use restrictions for certain uses of HCFC-225ca/cb and HCFC-124. EPA is finalizing its proposal to require disaggregated information for all reclaimed refrigerants as part of the annual reporting. The revision will appear at [40 CFR 82.166](#)(h). The final rule is effective 12 JAN 15. For more information, contact [Elizabeth Whiteley](#) at (202) 343-9310.

WASHINGTON SIP: NAAQS EPA approved revisions to the Washington State Implementation Plan (SIP) that address implementation, maintenance, and enforcement of national ambient air quality standards (NAAQS) ([79 FR 59653](#)). The revisions update the general air quality regulations that apply to sources within WADOE's jurisdiction, except for major source specific provisions, which the EPA is addressing separately. The final rule was effective 3 NOV 14. For more information, contact [Donna Deneen](#) at (206) 553-6706.

WASHINGTON SIP: PM2.5 EPA is proposing to partially approve and partially disapprove revisions to the Washington SIP that concern infrastructure requirements for fine particulate (PM2.5) NAAQS ([79 FR 62368](#)). EPA is proposing to find the SIP revisions are adequate, except for certain interstate transport requirements, which EPA will address later. Comments are due 17 NOV 14. For more information, contact [Jeff Hunt](#) at (206) 553-0256.

WASHINGTON SIP: NO₂ AND OZONE EPA is proposing to partially approve and partially disapprove revisions to the Washington SIP that address nitrogen dioxide (NO₂) and ozone NAAQS for interstate transport ([79 FR 62379](#)). EPA is proposing to find the SIP revisions are adequate, except for certain interstate transport requirements, which EPA will address later. Comments are due 17 NOV 14. For more information, contact [Jeff Hunt](#) at (206) 553-0256.

CLEANUP

FY15 SUPERFUND IMPLEMENTATION MANUAL EPA's Office of Solid Waste and Emergency Response (OSWER) released its [FY 2015 Superfund Program Implementation Manual](#). The manual provides overarching program management priorities, procedures, and practices for the Superfund remedial, removal, enforcement, and federal facilities programs. The manual is divided into 12 chapters, six of which highlight priorities, initiatives, and performance measures for Superfund programs. The manual is intended for use by regional Superfund branch chiefs.

SUPERFUND NOTIFICATION EPA is proposing to broaden the methods by which it can notify the public about certain Superfund activities ([79 FR 59179](#)). The [National Oil and Hazardous Substances Pollution Contingency Plan](#) requires that the public be notified of certain Superfund activities by a notice in a major local newspaper of general circulation. EPA is proposing to amend the notification requirements specified in the plan so that it can adopt a notification approach that is most effective at informing a community. Comments were due 31 OCT 14. For more information, contact [Jean Farrell](#) at (703) 603-9055.

VAPOR INTRUSION: EPA MEMORANDUM FOR REGIONAL SUPERFUND DIVISION DIRECTORS EPA's OSWER sent a [memorandum](#) to EPA Region 1-10 Superfund division directors that provides information about existing EPA guidance on early or interim actions at Superfund sites. The memorandum also provides current information about the toxicity of trichloroethylene (TCE). Information referenced in the memorandum may be used by EPA Regional Superfund division directors to support Superfund decision-making at sites with actual or potential inhalation exposures to TCE. Visit OSWER's [vapor intrusion](#) and [risk assessment](#) websites for more information and guidance, or contact Michael Scozzafava at (703) 603-8833.

CLIMATE CHANGE

EPA CLIMATE CHANGE ADAPTATION IMPLEMENTATION PLANS EPA released the final versions of its agency-wide [Climate Change Adaptation Plan](#) and the [17 Climate Change Adaptation Implementation Plans](#) (seven office-specific plans and 10 regional plans). Taken together, the implementation plans demonstrate how the EPA will attain the 10 agency-wide priorities presented in the Climate Change Adaptation Plan. A central element of all of EPA's plans is to build and strengthen its adaptive capacity and work with its partners to build capacity in states, tribes, and local communities. Each program and regional office's *Implementation Plan* contains an initial assessment of the implications of climate change for the organization's goals and objectives. The plan then identifies specific priority actions that the office (or region) will take to begin addressing its vulnerabilities and mainstreaming climate change adaptation into its activities. For more information, view plans specific to [Region 8](#), [Region 9](#), and [Region 10](#).

GHG REPORTING PROGRAM EPA amended reporting and recordkeeping requirements for its GHG Reporting Program ([79 FR 63749](#)). The amendments include an alternative verification approach for certain reporters that have disclosure concerns. The alternative verification approach includes the addition of new verification, recordkeeping, and reporting requirements. Affected categories include the broad category of General Stationary Fuel Combustion Sources. In conjunction with the amendments, the EPA is establishing final confidentiality determinations for the new data

elements added in this action. The final rule is effective 24 NOV 14. For more information, contact [Carole Cook](#) at (202) 343-9263.

COMPILATION OF STATE CLIMATE ADAPTATION EFFORTS The [Georgetown Climate Center](#) published an online [tool](#) showing what states and communities are doing to adapt to climate change. Click on a state to view a summary of its progress to date and to access its full profile page. State profile pages include a detailed breakdown of each state's adaptation work and links to local adaptation plans and resources.

CAR SHARING FOR FEDERAL FLEETS The General Services Administration (GSA) is exploring whether [car sharing](#) could help federal agencies reduce costs, improve efficiency, optimize vehicle use, and generally provide a more sustainable approach to government fleet management. GSA will pilot car-sharing as an option for federal agencies in Washington, D.C., New York City, Boston, and Chicago, and has awarded contracts to vendors that will provide car-sharing as an option for federal employees using government vehicles on a short-term hourly basis, not to exceed a one-day maximum.

ENERGY

GREEN BUILDING CERTIFICATION SYSTEMS FOR FEDERAL BUILDINGS DOE released the [text of a final rule](#) addressing [green building certification systems](#) for federal agencies. Federal agencies are not required to use a green building rating system, but if they choose to do so, the systems must meet the criteria specified in the final rule. The rule adds identical green building certification criteria to both 10 CFR Part 433 (Federal Commercial and Multi-Family High-Rise Residential Energy Efficiency Standards) and 10 CFR Part 435 (Federal Low-Rise Residential Energy Efficiency Standards). For more information, contact [Sarah Jensen](#) at (202) 287-6033.

FOSSIL-FUEL ENERGY CONSUMPTION FOR FEDERAL BUILDINGS DOE released the [text of a supplemental notice](#) addressing the fossil fuel-generated energy provisions of the [Energy Conservation and Production Act \(ECPA\)](#), as amended for federal buildings. In the notice, DOE responds to comments made to its [2010 proposal](#) and requests comment on additional approaches and clarifications. ECPA, as amended by the Energy Independence and Security Act of 2007 (EISA) requires DOE to establish revised performance standards for the construction of all new federal buildings, including commercial buildings, multi-family high-rise residential buildings, and low-rise residential buildings. Comments will be accepted for 60 days following publication in the Federal Register. For more information, contact [Sarah Jensen](#) at (202) 287-6033.

BUILDINGS-TO-GRID INTEGRATION DOE released a draft document titled *Transaction-Based Building Controls Framework, Volume 1: Reference Guide* ([79 FR 61067](#)). The guidance document proposes a framework concept to achieve the objectives of raising buildings' efficiency and energy savings potential. The draft document is available on [Regulations.gov](#) (docket D=EERE-2014-BT-NOA-0016). For more information, contact [Joseph Hagerman](#) at (202) 586-4549.

DOE TO FUND ADVANCED BIOFUELS AND BIOFUEL PRODUCTS DOE [announced](#) up to \$13.4 million for five projects to develop advanced biofuels and bioproducts that will help drive down the cost of producing gasoline, diesel, and jet fuel from biomass. The research and development projects, located in Wisconsin, Minnesota, California, Colorado, and Georgia, will focus on developing integrated processes for the production of advanced biofuels and chemicals. Two of the projects will address research efforts on the efficient conversion of biogas (a mixture of gases generated from the biological breakdown of organic material) to valuable products other than power.

RENEWABLE ENERGY: REQUEST FOR INFORMATION, POSSIBLE FUNDING OPPORTUNITY DOE's Office of Energy Efficiency and Renewable Energy (EERE) is requesting information about a possible funding opportunity that would promote renewable energy and energy conservation at federal facilities ([79 FR 62609](#)). The funding opportunity may focus on combined heat and power (CHP) and renewable energy inclusive of solar, wind, biomass, landfill gas, ocean, geothermal, waste-to-energy, and new hydroelectric energy technologies. Further, the funding opportunity may target projects incorporated into privately financed contracts such as Energy Savings Performance Contracts (ESPCs), Utility

Energy Service Contracts (UESCs), and Power Purchase Agreements (PPAs). The purpose of this notice is to encourage prospective applicants to begin formulating ideas, gathering data, and developing partnerships in anticipation of the funding opportunity. Prior to issuing a notice of funding opportunity, the Federal Energy Management Program (FEMP) is making technical assistance available upon request to federal agencies to identify and analyze CHP or renewable energy opportunities and technologies. Responses were due 13 NOV 14. For more information, contact [EERE](#) or view the [notice of intent](#).

PUBLIC LANDS FOR RENEWABLE ENERGY DEVELOPMENT The Bureau of Land Management (BLM) is proposing to amend existing regulations to facilitate responsible solar and wind energy development and to receive fair market value for such development ([79 FR 59021](#)). The proposed rule would promote the use of preferred areas for solar and wind energy development and establish competitive processes, terms, and conditions (including rental and bonding requirements) for solar and wind energy rights-of-way both inside and outside these preferred areas. BLM ranks as medium-priority, but still feasible to authorize, applications involving lands designated as "DoD operating areas with land use or operational conflicts." Comments are due 1 DEC 14. For more information, contact Ray Brady at (202) 912-7312.

SMART GRID FRAMEWORK The National Institute of Standards and Technology (NIST) [published](#) *NIST Framework and Roadmap for Smart Grid Interoperability Standards, Release 3.0*, a document that reflects advances in smart grid technologies and developments. The 3.0 framework updates the plan for transforming the nation's aging electric power system into an interoperable smart grid. The framework now includes 74 updated standards and protocols, including seven standards not included in prior versions. The updated model reflects the growing importance of "distributed energy resources," which include nontraditional sources such as customer-owned solar and wind power systems.

NATURAL RESOURCES

DANGER TO BIRDS FROM OPEN PIPES Open pipes, widely used for a variety of purposes across the western U.S. landscape, have been [reported](#) as a "potentially very large" source of bird mortality according to research by scientists at Los Alamos National Laboratory (LANL). The [study](#) looked at pipes installed vertically with an open top, such as gate posts, open bollards, or survey and boundary markers. The pipes pose an entrapment threat to birds, especially to cavity-nesting birds. For more information, contact [Robert Johns](#) at (202) 888-7472.

SAN GABRIEL MOUNTAINS NATIONAL MONUMENT President Obama issued a [proclamation](#) establishing the San Gabriel Mountains National Monument in California. The San Gabriel Mountains National Monument covers 346,177 acres of federal land. It will be managed by the U.S. Forest Service and will be the eighth national monument under Forest Service management. There are more than 100 national monuments across the country managed by the Forest Service, National Park Service, Fish and Wildlife Service (FWS), BLM, and National Oceanic and Atmospheric Administration (NOAA).

HONEY BEES A working group chaired by the White House Council on Environmental Quality (CEQ) released the guidance document titled [Supporting the Health of Honey Bees and Other Pollinators](#). The document is an addendum to the Sustainable Practices for Designed Landscapes guidance and supports the June 2014 [Presidential Memorandum](#) on pollinators. For more information, visit CEQ's [website](#) on pollinators.

SUSTAINABILITY

BIOBASED PRODUCT LABELING USDA is proposing to amend its regulations governing the Voluntary Labeling Program for Biobased Products ([79 FR 63846](#)). The amendments would incorporate statutory changes introduced by the Agricultural Act of 2014 (the 2014 Farm Bill). The 2014 Farm Bill presses USDA to move forward with designation of complex assemblies that contain biobased content. A "complex assembly" is a multi-component assembled product with one or more component(s) being made with biobased material. Comments are due 26 DEC 14. For more information, contact [Ron Buckhalt](#) at (202) 205-4008.

GUIDELINES FOR DESIGNATING BIOBASED PRODUCTS USDA is proposing to amend its regulations governing guidelines for designating biobased products for federal procurement ([79 FR 63841](#)). The proposed rule would create additional reporting and procurement responsibilities related to biobased products, including a requirement for agencies to report quantities and types of biobased products purchased. It would also add a definition of "innovative" as it applies to identifying forest products that qualify for federal biobased procurement preference. Prior to final implementation, conforming changes will need to be made to the Federal Acquisition Regulation (FAR). Comments are due 26 DEC 14. For more information, contact [Ron Buckhalt](#) at (202) 205-4008.

TOXICS

GREEN PRODUCT AWARD WINNERS EPA [announced](#) the [Presidential Green Chemistry Challenge winners](#) for 2014. Winners include:

- Halogen-free foam concentrates for firefighting: The Solberg Company developed a line of halogen-free fire fighting foams suitable for fighting Class B fires fueled by flammable or combustible liquids. ([more information](#))
- Renewable hydrocarbon for diesel and jet fuel: Amyris Inc. developed a yeast strain that converts sugars into the hydrocarbon farsane (rather than ethanol). Farsane can be processed to provide a renewable drop-in replacement for diesel or a blend stock for jet fuel. ([more information](#))

OSHA CHEMICAL MANAGEMENT AND PELS The Occupational Safety and Health Administration (OSHA) is reviewing its overall approach to managing chemical exposures in the workplace and is seeking stakeholder input to address challenges found with its current regulatory approach ([79 FR 61383](#)). OSHA is considering moving to a risk based assessment approach to update permissible exposure limits (PELs) for larger numbers of workplace chemicals. OSHA is also seeking to align its approach with those employed by EPA's Integrated Risk Information System (IRIS), National Institute for Occupational Safety and Health (NIOSH), Agency for Toxic Substances Disease Registry (ATSDR), European Union Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH), and others. Comments are due 8 APR 15. For general information, contact [Frank Meilinger](#) at (202) 693-1999. For technical information, contact [Lyn Penniman](#) at (202) 693-1950.

THREATENED AND ENDANGERED SPECIES

YELLOW-BILLED CUCKOO FWS listed the western distinct population segment (DPS) of the [yellow-billed cuckoo](#) (*Coccyzus americanus*) as threatened ([79 FR 59991](#)). The western DPS of the species is known or believed to occur in Arizona, California, Colorado, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington, and Wyoming. The final rule was effective 3 NOV 14. For more information, contact Jennifer Norris at (916) 414-6600.

YELLOW-BILLED LOON FWS determined that listing the [yellow-billed loon](#) (*Gavia adamsii*) is not warranted ([79 FR 59195](#)). The yellow-billed loon is a migratory bird. Solitary pairs breed on lakes in the arctic tundra of the United States (Alaska), Russia, and Canada from June to September. The finding was made 1 OCT 14. For more information, contact Sarah Conn at (907) 456-0499.

FISHER FWS is proposing to list the West Coast DPS of [fisher](#) (*Pekania pennanti*) as threatened ([79 FR 60419](#)). The fisher DPS is known or believed to occur in California, Oregon, and Washington. Comments are due 5 JAN 15. For more information, contact Erin Williams at (530) 842-5763.

WASTE

EBOLA-CONTAMINATED WASTE The Pipeline and Hazardous Materials Safety Administration (PHMSA) issued a [safety advisory](#) to provide guidance on Department of Transportation (DOT) Hazardous Materials Regulations (HMR) to persons who prepare, offer, and transport materials contaminated or suspected of being contaminated with the Ebola

virus ([79 FR 64646](#)). Material contaminated or suspected of being contaminated with Ebola is regulated as a Category A infectious substance under the HMR. To ensure safe transportation, Ebola contaminated materials must be packaged in conformity with the applicable requirements in the HMR for Category A infectious substances. For more information, contact Charles Betts at (202) 366-8553.

WATER

STORMWATER MANAGEMENT: GREEN INFRASTRUCTURE COLLABORATIVE EPA and other federal agencies, non-governmental organizations, and private-sector entities formed the [Green Infrastructure Collaborative](#), a network to help communities more easily implement green infrastructure. The collaborative released a revised [Statement of Support](#) in which DoD committed to:

- Develop and distribute guidance on how to operate and maintain green infrastructure on military bases in the United States;
- Provide training and awareness on green infrastructure tools and implementation;
- Increase the amount of pervious surfaces by removing building pads for demolished buildings; and
- Update the [Unified Facilities Criteria on Landscape Architecture](#) (3-201-02) to clarify guidance on green infrastructure.

As used by EPA, [green infrastructure](#) generally refers to the management of stormwater runoff using engineered systems that mimic natural systems to treat polluted stormwater runoff.

DENTAL AMALGAM EPA is proposing technology-based pretreatment standards for discharges of pollutants into publicly owned treatment works (POTWs) from existing and new dental practices that discharge [dental amalgam](#) ([79 FR 63257](#)). The proposal would require dental practices to use [amalgam separators](#) and implement [best management practices](#) (BMPs). In addition, EPA is proposing to amend selected parts of the General Pretreatment Regulations to streamline oversight requirements for the dental sector. Dental amalgam contains mercury in a highly concentrated form that is relatively easy to collect and recycle. Dental offices are the main source of mercury discharges to POTWs. Comments are due 22 DEC 14. A public hearing was held 10 NOV 14 in Washington, DC. For more information, contact [Damon Highsmith](#) at (202) 566-2504.

POSSIBLE NEW DRINKING WATER CONTAMINANT RULE EPA released a preliminary determination to regulate one contaminant (strontium) and not to regulate four other contaminants ([79 FR 62715](#)). The four contaminants are [1,3-dinitrobenzene](#) (used in the manufacture of explosives), dimethoate, terbufos, and terbufos sulfone. The Safe Drinking Water Act (SDWA) requires EPA to make regulatory determinations every five years on at least five unregulated contaminants. A regulatory determination is a decision about whether or not to begin the process to propose and promulgate a national primary drinking water regulation (NPDWR) for an unregulated contaminant. EPA is seeking comment on the preliminary determinations. Comments are due 19 DEC 14. For more information, contact [Zeno Bain](#) at (202) 564-5970.

EPA/USACE EXTEND COMMENT PERIOD FOR DEFINITION OF WATERS OF THE U.S. EPA and USACE extended the public comment period for the [April 2014 proposed rule](#) to define waters of the United States ([79 FR 61590](#)). The public comment period was extended to 14 NOV 14. For more information, contact [Donna Downing](#) (EPA) at (202) 566-2428 or [Stacey Jensen](#) (USACE) at (202) 761-5856.

PEER REVIEW OF EPA REPORT ON DEFINITION OF WATERS OF THE U.S. The EPA's Science Advisory Board (SAB) released a final [peer review](#) of EPA's draft report titled [Connectivity of Streams and Wetlands to Downstream Waters: A Review and Synthesis](#). SAB had been asked to comment on the clarity and technical accuracy of the report, whether it includes the most relevant peer reviewed literature, whether the literature has been correctly summarized, and whether the findings and conclusions are supported by the available science. The document has been placed in the [docket](#) (Docket ID No. EPA-HQ-OW-2011-0880) for the EPA/USACE [proposed rule](#) to define waters of the United

States ([79 FR 63594](#)). Comments were due 14 NOV 14. For more information, contact [Donna Downing](#) (EPA) at (202) 566-2428.

GAO REPORT: OCEAN ACIDIFICATION The Government Accountability Office (GAO) issued a report reviewing federal efforts to address ocean acidification ([GAO-14-736](#)). Increasing carbon dioxide (CO₂) in the atmosphere and oceans are resulting in chemical changes referred to as ocean acidification. In addition to increasing acidity, higher levels of CO₂ in the oceans can make it more difficult for marine life to create, grow, or maintain shells and skeletons. The potential to alter marine food webs was identified as one of the most significant ecosystem-level effects that could result from ocean acidification. As part of the effort, GAO reviewed several summary reports and scientific literature. GAO found that federal responses are underway, but additional actions are needed to understand and address potential impacts. GAO noted that several federal agencies have taken steps to implement the [Federal Ocean Acidification Research and Monitoring Act of 2009](#) (FOARAM) but have yet to complete some of the act's requirements, such as budgeting for implementing the research and monitoring plan required by the act. For more information, contact [Steve Morris](#) at (202) 512-3841.

Professional Development

DoD TRAINING SOURCES

USACE PROSPECT TRAINING USACE announces course availability for the FY15 PROSPECT (i.e., Proponent-Sponsored Engineer Corps Training) program. Courses are open to all federal, state, county, and city employees and contractors. There are different registration processes for each entity. Please refer to the [Course Catalog](#) and [List of Classes and schedule](#) for details.

NAVY AND ISEERB ENVIRONMENTAL TRAINING The Navy and the Interservice Environmental Education Review Board (ISEERB) Environmental Training schedule is available. Course topics include environmental overview and management, law planning and sustainability, pollution prevention, restoration, conservation, supplemental and Internet/computer-based training, and more.

AIR FORCE CIVIL ENGINEERING SCHOOL TRAINING The Air Force Civil Engineering School offers a variety of environmental management courses and seminars, including ISEERB offerings. Courses offered by the Civil Engineer School are available to all military and civilian employees of the U.S. government, free of charges. Travel costs are borne by the student.

DEFENSE AND FEDERAL ENVIRONMENTAL TRAINING/AWARENESS The U.S. Army offers numerous environmental training courses (classroom and online). Explore training opportunities on the [US Army Environmental Command \(AEC\) website](#), which has links to training provided by DoD organizations.

FEDERAL TRAINING SOURCES

FEDERAL FACILITIES ENVIRONMENTAL STEWARDSHIP AND COMPLIANCE ASSISTANCE CENTER - [FedCenter.gov](#) is the federal government's home for comprehensive environmental stewardship, compliance assistance, and professional development information. FedCenter.gov provides a wide variety of information in the following areas:

- Program development (e.g., environmental management systems, green procurement program);
- Federal and state regulatory requirements for various facility activities;
- Regulatory Watch for information on new or changed laws or regulations;
- P2 opportunities and best management practices;
- EPA enforcement notices;
- Links to state environmental programs;

- Access to [environmental assistance](#);
- Access to free, FedCenter-sponsored courses:
 - [Environmental Compliance for Federal Laboratories](#) (FedCenter membership required);
 - [Environmental Management Systems](#) (FedCenter membership required);
 - [Underground Storage Tanks](#) (FedCenter membership required);
- Environmental [conferences](#), meetings, [training](#), and workshop information;
- Applicable laws and Executive Orders; and
- Industry sector-specific newsletters.

FedCenter also provides member assistance services such as:

- Collaboration tools for workgroups,
- Environmental reporting tools, and
- Daily newsletter and subscription services.

ONLINE TRAINING: SCHEDULED EVENTS

***SERDP AND ESTCP WEBINAR SERIES** The DoD environmental research and development funding programs ([SERDP and ESTCP](#)) are launching a [webinar series](#) to promote the transfer of innovative, cost-effective and sustainable solutions developed using SERDP and ESTCP funding. Live webinars will be offered every two weeks on Thursdays from 12:00 PM ET (9:00 AM PT) for 90 minutes. Most webinars will feature two 30-minute presentations and interactive question and answer sessions, on topics targeted for DoD and DOE audiences.

- Management of Contaminated Sediments Sites (20 NOV 14)
- Waste to Energy Technologies (4 DEC 14)
- Energy Audits (18 DEC 14)
- DNAPL (Dense Non-Aqueous Phase Liquid) Source Zone Management (8 JAN 15)
- Sustainable Materials (22 JAN 15)
- Acoustic Methods for Underwater Munitions (5 FEB 15)
- Solar Technologies (19 FEB 15)
- Lead Free Electronics (5 MAR 15)
- Bioremediation Approaches at Chlorinated Solvent Sites (19 MAR 15)
- Resource Conservation and Climate Change (26 MAR 15)
- Blast Noise Measurements and Community Response (16 APR 15)
- Munitions Mobility (7 MAY 15)
- Managing Munition Constituents on Training Ranges (28 MAY 15)

FEMP eTRAINING COURSES The Federal Energy Management Program (FEMP) offers interactive, online eTraining courses to help federal agencies develop core competencies and comply with energy-efficiency and renewable-energy water-management and sustainability requirements. FEMP is partnering with the National Institute of Building Sciences' Whole Building Design Guide (WBDG) to host these comprehensive, FEMP-developed eTraining courses. [Promotional materials](#) are available to help federal agencies encourage the completion of FEMP's eTraining courses. For more information about FEMP eTraining courses, contact [Beverly Dyer](#) at (202) 586-7753. The following courses are available:

- [Advanced Electric Metering in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Building Automation Systems for Existing Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Commissioning for Existing Federal Buildings](#) (4.5 hours, .50 CEUs)
- [Energy-Efficient Federal Purchasing](#) (4.5 hours, .50 CEUs)
- [Energy Savings Performance Contracting](#) (8.5 hours, .90 CEUs)
- [Federal On-Site Renewable Power Purchase Agreements](#) (2.5 hours, .30 CEUs)

- [Launching a Utility Energy Services Contract \(UESC\): Getting to Yes!](#) (3 hours, .40 CEUs)
- [Managing Water Assessment in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Measurement and Verification in ESPCs](#) (3 hours, .40 CEUs)
- [Planning an Energy Assessment for Federal Facilities](#) (4 hours, .50 CEUs)
- [Selecting, Implementing, and Funding Photovoltaic Systems in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Sustainable Institutional Change for Federal Facility Managers](#) (3 hours, .40 CEUs)
- [Utility Service Contracts and Energy Project Incentive Funds](#) (90 minutes)

ENERGY STAR WEBCASTS. Among the offerings:

- [Federal Guiding Principles Checklist](#) – This webcast shows federal energy and sustainability professionals how to use the ENERGY STAR® measurement and tracking tool, Portfolio Manager, to help ensure compliance with the Guiding Principles for High Performance Sustainable Buildings required by Executive Orders 13423 and 13514. The focus is on the Guiding Principles for Sustainable Existing Buildings.
- [Portfolio Manager 101](#) – This webcast demonstrates the core functionality of EPA’s Energy Star Portfolio Manager tool. Attendees will learn to navigate the new Portfolio Manager, add a property and enter details, enter energy and water consumption data, share properties, generate performance reports to assess progress, and respond to data requests.
- [Portfolio Manager 201](#) – This webcast will explore advanced functionalities of EPA’s Energy Star Portfolio Manager tool, including managing and tracking changes to property uses over time; using spreadsheet templates to update property data; setting goals and targets to plan energy improvements for properties; generating and using custom reports; and using the Sustainable Buildings Checklist.

CLIMATE CHANGE SCIENCE AND MANAGEMENT WEBINAR SERIES This [webinar series](#) was developed to inform scientists, land managers, and the public about potential and predicted climate change impacts on fish and wildlife and to help guide resource management decisions across the United States. Video recordings with closed captioning are made available one to two weeks after each presentation.

READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM – Webinar Series The REPI Webinar Series is presented by DoD in partnership with the [Land Trust Alliance](#). This online series covers best practices, tutorials and knowledge sharing on REPI partnerships that support military mission and accelerate the pace and rate of conservation. All webinars begin at 1:00 p.m. Eastern unless otherwise noted. Previously scheduled webinars are available anytime.

EPA SUSTAINABLE MATERIALS MANAGEMENT ACADEMY Learn about key issues, successful projects, and a variety of best management practices for creating waste management programs, from the series of live and archived webinars. Building on the familiar concept of [Reduce, Reuse, Recycle](#), sustainable materials management (SMM) is a systemic approach that seeks to reduce materials use and their associated environmental impacts over their entire life cycle, starting with extraction of natural resources and product design and ending with decisions on recycling or final disposal. The format is a formal presentation followed by a question and answer session.

ITRC INTERNET BASED TRAINING The Interstate Technology and Regulatory Council (ITRC) is a state-led coalition working with federal partners, industry, academia, and stakeholders to achieve regulatory acceptance of environmental technologies. In conjunction with EPA’s Technology Innovation and Field Services Division, ITRC delivers training courses to reach a geographically dispersed audience of regulators, consultants, and other members of the environmental community. The training sessions last approximately two hours, cover technical and regulatory information specific to environmental technologies and innovative approaches, and are supported by consensus-based ITRC guidance documents. Visit the site often to view upcoming internet-based training events.

ONLINE TRAINING: AVAILABLE ANYTIME

CLIMATE READY WATER UTILITIES EPA's Climate Ready Water Utilities initiative assists the water sector (drinking water, wastewater, and stormwater utilities) in addressing impacts from climate change. This information helps utility owners and operators better prepare their systems for the impacts of climate change. The website has links to [tools and resources](#), new and recorded [training webinars](#), and more.

WATER'S IMPACT ON THE ENERGY SECTOR This on-demand webinar features Stacy Tellinghuisen, senior energy/water policy analyst at Western Resource Advocates, who shares new research on the national impacts of water scarcity on the energy sector, including how the expanded use of renewable energy and energy efficiency can help reduce the potential impacts that prolonged droughts will have on the energy sector.

EPA RCRA TRAINING RCRA-related online courses, seminars, webinars, podcasts, and videos are posted throughout EPA's waste website. Introductory and advanced courses are included for federal and state regulators, the regulated community, organizations, associations, and consumers interested in environmental laws, regulations, and implementation. Topics include general RCRA, RCRA corrective action, Environmental Management Systems (EMS), e-waste, groundwater characterization and cleanup, land revitalization, land disposal restrictions, sustainable materials management web academy, and environmental justice and RCRA permitting.

AREA SOURCE BOILER RULE VIDEO SERIES This [EPA video series](#) explaining the Area Source Boiler Rule consists of modules regarding:

- An overview of rule applicability, including specific rule requirements and compliance dates;
- How to conduct an energy assessment;
- How to conduct a boiler tune-up; and
- Recordkeeping and reporting requirements of the rule.

Area sources are commercial (e.g., laundries, apartments, hotels), institutional (e.g., schools, churches, medical centers, municipal buildings) or industrial (e.g., manufacturing, refining, processing, mining) facilities that emit or have the potential to emit less than 10 tons per year (tpy) of a single hazardous air pollutant, or less than 25 tpy combined hazardous air pollutants. The Area Source Boiler Rule affects boilers at these facilities that burn coal (including coal refuse, petroleum coke, or synthetic fuels derived from coal), oil or other liquid fuel, biomass, and non-waste materials.

BEST PRACTICES FOR COMPREHENSIVE WATER MANAGEMENT FOR FEDERAL FACILITIES This comprehensive water management training provides federal facility and energy managers with knowledge and skills to assist in meeting water-related legislative and executive order requirements. Learners will develop skills in increasing water efficiency and reducing water use through sound operations and maintenance practices and water-efficient technologies. Several methods for meeting needs for non-potable water through alternate water sources, such as rainwater harvesting, reclaimed wastewater, and gray water are discussed. Water metering is covered, as well as life cycle costing and establishing the overall economics for strategic water management.

PRELIMINARY ASSESSMENT AND SITE INSPECTION (PA/SI) WEBINAR SERIES The CERCLA Education Center (CEC) is offering archived versions of its nine-part Preliminary Assessment and Site Inspection (PA/SI) [webinar series](#). PA/SI is an intermediate training course designed for personnel who are required to compile, draft, and review PA, SI, and hazard ranking system (HRS) documentation records and packages submitted for sites proposed for the National Priorities List (NPL). More information is available at www.clu-in.org.

DISTRIBUTED-SCALE RENEWABLE ENERGY PROJECTS: FROM PLANNING TO PROJECT CLOSEOUT This 2.5 hour webinar focuses on the planning and implementation of distributed-scale renewable energy projects (i.e., those smaller than 10 megawatts). The on-demand course outlines a detailed 10-step process from technology screening to project closeout. It explores online tools and resources for renewable energy projects on federal sites.

EPA AIR POLLUTION TRAINING INSTITUTE (APTI) EPA's [Air Pollution Training Institute](#) (APTI) offers a variety of online self instructional courses and videos for air pollution professionals. Although APTI courses are designed for state and local government officials, the courses, webinars, and videos are available to anyone.

CLASSROOM/INTERNET TRAINING SOURCES

EPA NPDES TRAINING COURSES AND WORKSHOPS Training courses, workshops, and webcasts explain the regulatory framework and technical considerations of the NPDES Permit program. They are designed for permit writers, dischargers, EPA officials, and other interested parties. Topics include vessel general permits, combined sewer overflows, energy management, green infrastructure, pesticides, pretreatment, sanitary sewer overflows, and stormwater.

* indicates the first time a training opportunity appears in the Review.

How the Regional Offices Work for You

When used within the framework of ISO 14001, the *Western Region Review* can be part of an installation's procedures to satisfy Section 4.3.2 (Legal and other requirements) of ISO 14001. Information in the *Review* is intended for general guidance, and the reader should refer to cited source documents for more detailed information to determine the applicability and scope of the referenced legislation and regulations.

The US Army Regional Environmental and Energy Offices monitor state legislative and regulatory actions on your behalf. If a proposed state action has (1) critical mission impact; (2) conflicts with a federal requirement; and/or (3) a disproportionate effect on the Army or DoD, we coordinate with the potentially affected installations, commands, and/or other military Services to further assess the potential impact. If action is needed on a proposed measure we work with Army or Service regulatory experts to communicate DA/DoD position, coordinating with the affected installations and commands. Comments are combined from all parties in a single DoD/Army package and formally submitted to the state.

Want to comment on a rule or bill in the Review?

Please contact your Regional Environmental Coordinator listed in the Staff Directory.

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Acronyms

ADEC	Alaska Department of Environmental Conservation
ADFG	Alaska Department of Fish and Game
ADNR	Alaska Department of Natural Resources
ACHP	Advisory Council on Historic Preservation
ACUB	Army Compatible Use Buffer
ATSDR	Agency for Toxic Substances and Disease Registry
BACT	best available control technology
BART	best available retro-fit technology
BLM	Bureau of Land Management
BTU	British thermal unit
CAA	Clean Air Act
CAFE	corporate average fuel economy
CATEX	categorical exclusion
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulation
CH ₄	methane
CNOR	candidate notice of review
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
CrVI	hexavalent chromium
CWA	Clean Water Act
DA	Department of Agriculture
DO	dissolved oxygen
DoD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
DOT	Department of Transportation
DPS	distinct population segment
EA	environmental assessment
ECF	emission comparable fuel
EIS	environmental impact statement
EISA	Energy Independence and Security Act of 2007
EO	Executive Order
EPA	Environmental Protection Agency
EPAct	Energy Policy Act of 2005
EPCRA	Emergency Planning and Community Right-to-Know Act
ESA	Endangered Species Act of 1973
ESTCP	Environmental Security Technology Certification Program
FERC	Federal Energy Regulatory Commission
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIP	Federal Implementation Plan
FONSI	finding of no significant impact
FS	Forest Service
FWS	Fish and Wildlife Service
FY	fiscal year
GAO	Government Accountability Office
GHG	greenhouse gas
GRP	geographic response plan
GSA	General Service Administration
HAZMAT	hazardous material
HCFC	hydrochlorofluorocarbon
HFC	hydrofluorocarbon
HFE	hydrofluorinated ethers

IDAPA	Idaho Administrative Procedures Act
IDEQ	Idaho Department of Environmental Quality
INRMP	integrated natural resource management plan
ISEERB	Interservice Environmental Education Review Board
ITRC	Interstate Technology and Regulatory Council
JLUS	Joint Land Use Study
LBP	lead-based paint
LEED	Leadership in Energy and Environmental Design
LID	low-impact development
LOSS	large on-site sewage system
LT2	long term 2
MACT	maximum achievable control technology
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MERIT	Materials of Evolving Regulatory Interest Team
MOU	memorandum of understanding
MPA	marine protected area
MS4	municipal separate storm sewer system
MSGP	multi-sector general permit
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NCSL	National Conference of State Legislatures
NEP	nonessential experimental population
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NF ₃	nitrogen trifluoride
NHTSA	National Highway Traffic Safety Administration
NIST	National Institute of Standards and Technology
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRC	Nuclear Regulatory Commission
NSPS	New Source Performance Standard
NSR	New Source Review
OAR	Oregon Administrative Rules
ODA	Oregon Department of Agriculture
ODEQ	Oregon Department of Environmental Quality
OEQC	Oregon Environmental Quality Commission
OIE	Office of Energy Initiatives
OMB	Office of Management and Budget
ORCR	Office of Resource Conservation and Recovery
OSHA	Occupational Safety and Health Administration
P2	pollution prevention
PBDE	polybrominated diphenyl ethers
PFC	perfluorocarbons
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid
PHMSA	Pipeline and Hazardous Materials Safety Administration
PM	particulate matter
PM _{2.5}	particulate matter 2.5 microns in diameter or less
PM ₁₀	particulate matter 10 microns in diameter or less
POP	persistent organic pollutant
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PWS	public water system
RCRA	Resource Conservation and Recovery Act
REEO-W	Regional Environmental and Energy Office - Western

RoC	Report on Carcinogens
RoHS	European Union's Restriction of Hazardous Substances
RRP	Renovation, Repair, and Painting
SERDP	Strategic Environmental Research and Development Program
SI	spark-ignition
SIP	State Implementation Plan
SMP	Shoreline Management Plan
SNAP	significant new alternatives policy
SNUR	significant new use rule
SO ₂	sulfur dioxide
SO _x	sulfur oxides
SPCC	spill prevention, control, and countermeasures
TAC	toxic air pollutant
TMDL	total maximum daily load
tpy	tons per year
TRI	Toxics Release Inventory
TSCA	Toxic Substance Control Act
UFC	Unified Facilities Criteria
ug/m ³	micrograms per cubic meter
U.S.	United States
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Command
USGS	United States Geological Survey
UST	underground storage tank
USTCA	Underground Storage Tank Compliance Act
VOC	volatile organic compound
WAC	Washington Administrative Code
WADOE	Washington Department of Ecology
WCI	Western Climate Initiative
WEFSEC	Washington Energy Facility Site Evaluation Council
WDC	Washington Department of Commerce
WDOH	Washington Department of Health
WGA	Western Governors' Association
WPCF	Water Pollution Control Facility
WRAP	Western Regional Air Partnership

The Army Regional Environmental and Energy Offices' close cooperation between the military and regional policymakers helps to resolve issues *before* they become laws and regulations. The REEOs monitor proposed state environmental and energy laws and regulations for impacts to installation missions. When legislation or a regulation important to the Army or DOD is being developed, REEOs work with the other military Services to offer language to support or oppose the issue.

To comment on an item in the *Western Review*, please contact the Regional Environmental Coordinator listed at the top of page 2 and/or in the [Staff Directory](#).

To be added to the Region 10 *Western Review* distribution list, email [Nancy Reese](#).