



U.S. ARMY

Western Review of Legislative & Regulatory Actions Region 9



The U.S. Army Regional Environmental & Energy Office

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The REGION 9 *WESTERN REVIEW* publishes environmental and energy related developments for DoD/Army leaders and installation staff. Covering the four states and territories in Federal Region 9, 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 an [email request](#).



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Flood Risk Management

In January 2015, President Barack Obama issued an [Executive Order](#) (EO) establishing a new flood risk management standard for new and rebuilt federally funded structures in and around floodplains. The standard, published by the Federal Emergency Management Agency (FEMA), is available [here](#).

The standard is intended to ensure that projects are built in floodplains only where there are no practical alternatives. It requires projects to consider risks, changes in climate, and vulnerability in order to ensure projects that are built in floodplains last as long as intended. The standard provides agencies the flexibility to select one of three approaches for establishing the flood elevation and hazard area. They can:

- Use data and methods informed by best-available, actionable climate science;
- Build two feet above the 100-year (1%-annual-chance) flood elevation for standard projects, and three feet above for critical buildings (e.g., hospitals and evacuation centers); or
- Build to the 500-year (0.2%-annual-chance) flood elevation.

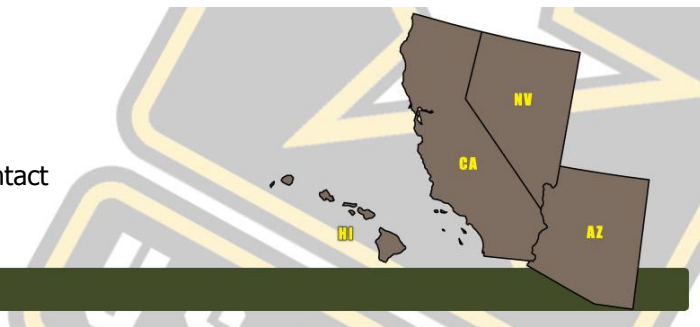
The standard closely tracks flood elevation requirements already adopted in at least 350 jurisdictions across the country. It does not alter flood standards for levees and will not affect the standards or rates of the National Flood Insurance Program.

In addition, FEMA also issued [draft flood risk management standard implementing guidelines](#). The guidelines will be used by federal agencies (including military departments) to develop their own agency-specific guidelines and procedures in order to comply with requirements in the standard.

For additional information, view this [fact sheet](#) released by the White House Council on Environmental Quality (CEQ) or this White House [news article](#).

Region 9

For more information on any state issues in Region 9, contact [Mark Mahoney](#), Region 9 Environmental Coordinator (303) 844-0956.



EXECUTIVE ORDER

MORATORIUM ON REGULATORY RULEMAKING In his first official action, Arizona Governor Doug Ducey [issued](#) a moratorium on all new regulatory rulemaking by state agencies. [EO 2015-01](#) prohibits all state agencies from conducting any new rulemaking, except when the rulemaking creates efficiencies, protects public health and safety, or is necessary to avoid violating a court order, federal law, or to fulfill budgetary obligations. The EO requires each state agency to provide the governor with an evaluation of its rules and any recommendations to ensure consistency with the priorities and principles outlined in the order by 1 SEP 15. The EO expires 31 DEC 15.

RULEMAKING

MILITARY INSTALLATION FUND The Arizona Department of Emergency and Military Affairs issued a [notice of public information](#) relating to the Military Installation Fund. The department began accepting applications for funding requests from the Military Installation Fund beginning 6 FEB 15. The fund was established to allocate monies to acquire private property, real estate, rights to real estate, property management, and infrastructure vital to the preservation of a military installation in Arizona. For more information, contact the [Military Installation Fund Program Manager](#) at (602) 267-2732.

LEGISLATIVE DEVELOPMENTS

The [2015 Arizona legislative session](#) began 12 JAN 15 and is estimated to adjourn 25 APR 15. An * indicates the first time a bill appears in the 2015 Review.

<i>Arizona Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR / CLIMATE CHANGE				
ENERGY				
LAND USE				
NATURAL RESOURCES				

<i>Arizona Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
OTHER				
WASTE				
WATER				
* HB 2263 <i>Representative Russell Bowers (R)</i> Proposes to address emergency groundwater transportation related to the Colorado River.	✓			



TOXICS

ASBESTOS ABATEMENT CONTRACTOR RULES The California Contractors State License Board [adopted a new rule](#) governing asbestos abatement contractors. The new rule establishes a specialty classification for asbestos abatement contractors, requires asbestos abatement contractors be licensed by the state, and sets criteria for licensing. The [final rule](#) was effective 1 JAN 15. For more information, contact [Betsy Figueira](#) at (916) 255-3369.

LEGISLATIVE DEVELOPMENTS

The [2015 California legislative session](#) began 1 DEC 14 and adjourns 9 NOV 15. An * indicates the first time a bill appears in the 2015 Review.

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR / CLIMATE CHANGE				
ENERGY				
LAND USE				
NATURAL RESOURCES				
* SB 122 <i>Senator Hannah-Beth Jackson (D)</i> Proposes to amend public access provisions of the California Environmental Quality Act. Establishes an electronic database clearinghouse of documents prepared pursuant to CEQA. Requires public review of final reports, and amends recordkeeping requirements.	✓			
OTHER				

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
WASTE				
WATER				
* AB 78 <i>Assemblyman Devon Mathis (R)</i> Proposes to address groundwater sustainability. Requires the Department of Water Resources to categorize each groundwater basin and sets deadlines for local agencies to develop groundwater sustainability plans for certain basins.	✓			
* SB 127 <i>Senator Andy Vidak (R)</i> Proposes to modify the Water Quality, Supply, and Infrastructure Act of 2014 (i.e., Proposition 1, 2014). Establishes procedures for public agencies to follow when certifying environmental impact reports for projects developed under the Act.	✓			



LEGISLATIVE DEVELOPMENTS

The [2015 Hawaii legislative session](#) began 21 JAN 15 and is estimated to adjourn 6 MAY 15. An * indicates the first time a bill appears in the 2015 Review.

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR/CLIMATE CHANGE				
* SB 500 <i>Senator Laura Thielen (D)</i> Proposes to require major infrastructure projects to consider the effects of projected sea level rise over the anticipated lifespan of the project.	✓			
ENERGY				
* HB 623 <i>Representative Chris Kalani Lee (D)</i> Proposes to increase renewable energy generation in the state. Increases the renewable energy portfolio standard. Establishes standards and requirements for large self-generators of renewable energy.	✓			
* SB 715 <i>Senator Mike Gabbard (D)</i> Proposes to increase renewable energy generation in the state. Increases the renewable energy portfolio standard. Establishes standards and requirements for large self-generators of renewable energy.	✓			

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
<p>*HB 892 <i>Representative Joseph Souki (D)</i> Proposes to impose new taxes on petroleum and change the allocation of existing taxes. Allocates more funds to energy and food sustainability efforts and less to the general fund. Companion bill is SB 1061.</p>	✓			
<p>*SB 1061 <i>Senator Donna Mercado Kim (D)</i> Proposes to impose new taxes on petroleum and change the allocation of existing taxes. Allocates more funds to energy and food sustainability efforts and less to the general fund. Companion bill is HB 892.</p>	✓			
LAND USE				
<p>*HB 1430 <i>Representative Jo Jordan (D)</i> Proposes to establish the Makua Valley Reserve Commission to oversee control and management of Makua Valley. Requires the Department of Land and Natural Resources to implement controls and permitted uses for the Valley and provide administrative support to the commission.</p>	✓			
NATURAL RESOURCES				
<p>*HB 5 <i>Representative Cynthia Thielen (R)</i> Proposes to require the environmental council to adopt rules that require all environmental impact statements and environmental assessments include climate change analysis.</p>	✓			
<p>*HB 7 <i>Representative Cynthia Thielen (R)</i> Proposes to address private residences and the Hawaii register of historic places. Exempts private residences not on the Hawaii register of historic places from designation as a historic property in order to exempt those properties from state historic preservation review in connection with project permit or land use applications.</p>	✓			
<p>*HB 465 <i>Representative Scott K. Saiki (D)</i> Proposes to address historic preservation. Requires the Department of Land and Natural Resources to identify the types of projects that have no potential to affect a historic property and the types of properties likely to be eligible for inclusion in the Hawaii register of historic places. Requires the department to develop a plan for completing a comprehensive inventory of historic buildings.</p>	✓			
<p>*HB 647 <i>Representative Calvin K.Y. Say (D)</i> Proposes to protect native sandalwood trees. Prohibits destruction or harvesting of sandalwood trees. Bans export of raw sandalwood timber. Requires the state to establish policies.</p>	✓			

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
<p>*HB 750 <i>Representative Gregg Takayama (D)</i> Proposes to protect native sandalwood trees. Prohibits destruction or harvesting of sandalwood trees. Bans export of raw sandalwood timber. Establishes penalties.</p>	✓			
<p>*SB 877 <i>Senator J. Kalani English (D)</i> Proposes to address historic preservation. Requires the Department of Land and Natural Resources to identify the types of projects that have no potential to affect a historic property and the types of properties likely to be eligible for inclusion in the Hawaii register of historic places. Requires the department to develop a plan for completing a comprehensive inventory of historic buildings.</p>	✓			
<p>*SB 956 <i>Senator Sam Slom (R)</i> Proposes to streamline the Historic Preservation Act to increase efficiency, reduce confusion, and adhere to the spirit of the law.</p>	✓			
OTHER				
<p>*HB 693 <i>Representative Kaniela Ing (D)</i> Proposes to require public notification and disclosure of application of restricted use pesticides. Requires reporting for application of restricted use pesticides. Requires the state to post reports online. Establishes buffer zones to limit public exposure and drift onto sensitive areas.</p>	✓			
<p>*HCR 3 <i>Representative Ken Ito (D)</i> Proposes to oppose the U.S. Army's proposed force reduction of Schofield Barracks and Fort Shafter bases. Companion resolution is SCR 3.</p>	✓	✓	✓	Enacted
<p>*SB 575 <i>Senator Russell Ruderman (D)</i> Proposes to prohibit the sale of personal care products that contain synthetic plastic microbeads. Establishes the plastic pollution special fund. Requires violators to pay a fine that is deposited into the general fund and the plastic pollution special fund.</p>	✓			
<p>*SB 661 <i>Senator Willie C. Espero (D)</i> Proposes to establish the Hawaii unmanned aerial systems test site chief operating officer position to serve on the Pan-Pacific Unmanned Aerial Systems Test Range Complex management team. Establishes an advisory board to oversee and manage unmanned aerial systems test site operations.</p>	✓			
<p>*SB 734 <i>Senator Rosalyn H. Baker (D)</i> Proposes to increase pesticide licensing fees. Addresses use of the pesticide use revolving fund.</p>	✓			

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
* SB 793 <i>Senator Joshua B Green (D)</i> Proposes to establish mandatory notice, reporting, and use requirements when pesticides are applied outdoors near sensitive areas.	✓			
* SB 797 <i>Senator Joshua B Green (D)</i> Proposes to establish notice, reporting, and use requirements for any entity or person that uses pesticides under certain circumstances.	✓			
* SB 799 <i>Senator Joshua B Green (D)</i> Proposes to establish notice, reporting, and use requirements for any entity or person that uses pesticides under certain circumstances.	✓			
* SB 801 <i>Senator Joshua B Green (D)</i> Proposes to establish notice, reporting, and use requirements for any entity or person that uses pesticides under certain circumstances.	✓			
* SB 931 <i>Senator Sam Slom (R)</i> Proposes to change the state legislature from the current two chamber system to a single chamber (unicameral) legislature.	✓			
* SB 1037 <i>Senator Joshua B Green (D)</i> Proposes to establish a mandatory disclosure program for pesticide use by all persons, under certain circumstances.	✓			
* SCR 3 <i>Senator Donovan Dela Cruz (D)</i> Proposes to oppose the U.S. Army's proposed force reduction of Schofield Barracks and Fort Shafter bases. Companion resolution is HCR 3.	✓	✓	✓	Enacted
WASTE				
* HB 754 <i>Representative Nicole Lowen (D)</i> Proposes to prohibit establishments from providing food in polystyrene foam containers beginning 1 JAN 16.	✓			
* SB 703 <i>Senator Mike Gabbard (D)</i> Proposes to increase the solid waste management surcharge for waste disposal. Establishes a new surcharge for waste at certain waste-to-energy facilities.	✓			
WATER				
* HB 645 <i>Representative Calvin K.Y. Say (D)</i> Proposes to address funding and repair of leaking petroleum underground storage tanks at Red Hill.	✓			

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
* HB 835 <i>Representative Jarrett Keohokalole (D)</i> Proposes to establish requirements for the Department of Health regarding water quality certification applications.	✓			
* HB 872 <i>Representative Kaniela Ing (D)</i> Proposes to specify that naturally occurring beach sand is not considered a water pollutant if used for beach erosion mitigation and certain related purposes.	✓			
* SB 540 <i>Senator Gilbert Kahele (D)</i> Proposes to specify time limits for regulatory approval/disapproval of section 401 water quality permit applications.	✓			
* SB 1168 <i>Senator Mike Gabbard (D)</i> Proposes to require field-constructed underground storage tanks to meet the same requirements as other underground storage tanks under Hawaii Administrative Rules, Chapter 11-281.	✓			

In addition, the [Guam 33rd legislative session](#) began 12 JAN 15 and adjourns 31 DEC 16.



LEGISLATIVE DEVELOPMENTS

The [2015 Nevada legislative session](#) began 2 FEB 15 and is estimated to adjourn 1 JUN 15. An * indicates the first time a bill appears in the 2015 Review.

<i>Nevada Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR/CLIMATE CHANGE				
ENERGY				
* AB 32 <i>Taxation Committee</i> Proposes to revise provisions relating to special fuels. Revises taxes, measurements, and recordkeeping.	✓			
* SJR 2 <i>Senator Peter Goicoechea (R)</i> Proposes to urge Congress to share certain funds generated from commercial activity on public lands with the state.	✓			

<i>Nevada Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
LAND USE				
NATURAL RESOURCES				
*AB 34 <i>Government Affairs Committee</i> Proposes to repeal provisions governing certain fire protection districts and fire safety.	✓			
OTHER				
WASTE				
WATER				
*SB 81 <i>Government Affairs Committee</i> Proposes to revise provisions relating to the management and appropriation of water. Increases management and oversight of groundwater sources and regulates withdrawals.	✓			
*SB 89 <i>Natural Resources Committee</i> Proposes to revise provisions regarding expenditures from petroleum cleanup funds.	✓			

Department of Defense Activity

SUNZIA TRANSMISSION LINE ROUTE THROUGH WSMR APPROVED The Department of the Interior [granted final approval](#) to build the SunZia Southwest Transmission Project, a 515-mile high voltage transmission line that will cross the northern tip of White Sands Missile Range (WSMR). In order to gain approval, the developer agreed to bury a five-mile portion of the transmission line to eliminate conflicts with training and weapons testing on White Sands' northern extension.

Federal Activity

AIR

2012 PM2.5 AIR QUALITY DESIGNATIONS The Environmental Protection Agency (EPA) issued a final rule establishing air quality designations for most areas of the U.S. for the 2012 fine particulate matter (PM2.5) primary national ambient air quality standard (NAAQS) of 12 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) based on a three-year average ([80 FR 2205](#)). EPA classified areas as attainment; nonattainment (moderate); unclassifiable/attainment where data is

insufficient to make a determination but forthcoming data will likely allow a determination to be made; or unclassifiable where data is insufficient to determine whether the area is meeting NAAQS or contributing to a nearby violation. For more information, contact [Beth Palma](#) at (919) 541-5432, visit the [rulemaking website](#), or [click here](#) and scroll down to view designations by state.

NAAQS FOR LEAD EPA is proposing to retain the primary and secondary NAAQS for lead ([80 FR 277](#)). EPA has concluded that available evidence supports retaining the current primary and secondary standards of 0.15 µg/m³ (based on a three-month average) without revision. Comments are due 6 APR 15. For more information, contact [Deirdre Murphy](#) at (919) 541-0729 or view this [fact sheet](#).

NESHAP FOR MAJOR SOURCES: INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL BOILERS AND PROCESS HEATERS EPA is reconsidering its final [31 JAN 13](#) national emission standards for hazardous air pollutants (NESHAP) from new and existing industrial, commercial, and institutional boilers and process heaters at major sources ([80 FR 3089](#)). EPA is seeking comment on three issues raised in the petitions for reconsideration (to view, [click here](#) and scroll to the supplementary information section). In addition, EPA is proposing amendments and technical corrections to the final rule to clarify definitions, references, applicability, and compliance issues. The agency also is proposing to delete rule provisions for an affirmative defense for malfunction in response to a recent court decision on the issue. Comments are due 9 MAR 15. For more information, contact [Jim Eddinger](#) at (919) 541-5426.

AREA SOURCE BOILER RULE EPA is reconsidering its final 1 FEB 13 NESHAP for Area Sources: Industrial, Commercial, and Institutional Boilers (Area Source Boilers Rule) ([80 FR 2871](#)). EPA is seeking comment on five issues raised in the petitions for reconsideration (to view, [click here](#) and scroll to the supplementary information section). In addition, EPA is proposing a limited number of technical corrections and amendments to the final rule to correct inadvertent errors and to clarify certain applicability and implementation issues. The agency also is proposing to delete rule provisions for an affirmative defense for malfunction in response to a recent court decision on the issue. Comments are due 9 MAR 15. For more information, contact Mary [Johnson](#) at (919) 541-5025.

NSPS AND EG FOR EXISTING SOURCES: COMMERCIAL AND INDUSTRIAL SOLID WASTE INCINERATION UNITS EPA is reconsidering its final 7 FEB 13 new source performance standards (NSPS) and emission guidelines (EG) for commercial and industrial solid waste incineration (CISWI) units ([80 FR 3017](#)). EPA is seeking comment on four issues raised in the petitions for reconsideration (to view, [click here](#) and scroll to the supplementary information section). In addition, EPA identified regulatory provisions that require clarification and editorial correction to address inconsistencies and errors. The proposed amendments provide additional clarity and improve the implementation of the [February 2013 final CISWI standards](#). Comments are due 9 MAR 15. For more information, contact [Toni Jones](#) at (919) 541-0316.

LABORATORY ODS USE EXEMPTION EXTENDED EPA extended the laboratory and analytical use exemption for the production and import of class I ozone-depleting substances (ODS) through 31 DEC 21 ([80 FR 3885](#)). The exemption allows the production and import of controlled substances in the U.S. for laboratory and analytical uses that have not been already identified by EPA as nonessential. The final rule was effective 26 JAN 15. For more information, contact [Jeremy Arling](#) at (202) 343-9055.

INTEGRATED SCIENCE ASSESSMENT: NO₂ EPA released the [draft integrated science assessment](#) prepared as part of the review of the primary (health-based) NAAQS for nitrogen dioxide (NO₂) for public comment ([80 FR 5110](#)). The document provides the scientific basis for EPA decisions on the adequacy of the current NAAQS and the appropriateness of possible alternative standards. Comments are due 31 MAR 15. For more information, contact Molini Patel at (919) 541-1492.

CALIFORNIA SIP: SACRAMENTO EPA approved revisions to the Sacramento Metropolitan portion of the California State Implementation Plan (SIP) that address ozone standards in the Sacramento metro nonattainment area ([80 FR 4795](#)). EPA approved the emissions inventories, air quality modeling, reasonably available control measures, provisions for

transportation control strategies and measures, rate of progress and reasonable further progress (RFP) demonstrations, attainment demonstration, transportation conformity motor vehicle emissions budgets, and contingency measures for failure to make or attain RFP. The final rule is effective 2 MAR 15. For more information, contact [John Ungvarsky](#) at (415) 972-3963.

CALIFORNIA SIP: SAN JOAQUIN VALLEY 1997 PM2.5 EPA is proposing to reclassify the San Joaquin Valley moderate nonattainment area as a serious nonattainment area for the 1997 fine particulate matter (PM2.5) NAAQS ([80 FR 1482](#)). Upon final reclassification as a serious area, California will be required to submit a serious area plan, including a demonstration that the plan provides for attainment of the 1997 annual and 24-hour PM2.5 standards. Comments were due 11 FEB 15. For more information, contact [Anita Lee](#) at (415) 972-3958.

CALIFORNIA SIP: SAN JOAQUIN VALLEY 2006 PM2.5 EPA is proposing to reclassify the San Joaquin Valley moderate nonattainment area as a serious nonattainment area for the 2006 PM2.5 NAAQS ([80 FR 1815](#)). EPA is also proposing to approve revisions (i.e., the 2012 PM2.5 Plan and supplement) to the San Joaquin Valley portion of the California SIP that address the 2006 PM2.5 NAAQS. Comments are due 27 FEB 15. For more information, contact [Wienke Tax](#) at (415) 947-4192.

CALIFORNIA SIP: SOUTH COAST EPA is approving revisions to the South Coast Air Quality District portion of the California SIP that address sulfur dioxide (SO₂) primary emissions from stationary combustion sources and volatile organic compound (VOC) emissions from petroleum refinery coking operations ([80 FR 2609](#)). The final rule is effective 23 MAR 15 unless EPA receives adverse comment by 19 FEB 15. For more information, contact [James Shears](#) at (213) 244-1810.

COMPLIANCE

E-ENTERPRISE FOR ENVIRONMENT PORTAL In an effort to reduce regulatory burden and optimize information technology resources across government entities, EPA is developing a website that would function as a point of access to information and tools ([80 FR 3962](#)). The focus of the so-called "E-Enterprise for the Environment" portal is to provide smart tools to help regulated entities understand their environmental obligations and associated permitting and reporting requirements. The portal would also be used to streamline preparation and submittal of information. EPA is seeking comment on the value of establishing a portal; the functions that it should provide; and whether the name "portal" effectively characterizes the effort. A series of webinars is scheduled for 19 and 23 FEB and 5 MAR 15. Comments are due 90 days from 26 JAN 15. For more information, contact Shana Harbour at (202) 566-2959 or visit EPA's [website](#) for the E-Enterprise Portal.

ENERGY

DEFINITION OF ZERO ENERGY BUILDINGS The Department of Energy (DOE) is seeking to develop a [common definition for zero energy buildings](#) (ZEBs) and is requesting public comment and information related to zero energy definitions, nomenclature, and implementation guidelines ([80 FR 499](#)). DOE expects to use the definitions and guidelines in DOE projects that provide guidance on the design or operation of zero energy buildings, and in any DOE programs that recognize or track zero energy buildings. Comments are due 20 FEB 15. For more information, contact [Sonia Punjabi](#) at (202) 287-1866.

RENEWABLE ENERGY AND ENERGY EFFICIENCY BUSINESS DIRECTORY The U.S. Departments of State, Commerce, and Energy are launching the pilot phase of an interactive directory of renewable energy and energy efficiency solutions ([80 FR 3219](#)). They are developing an interactive application (app) to serve as a mobile business directory for U.S. clean energy exporters. The app will showcase a diverse array of clean energy goods and services, including renewable energy equipment (solar, wind, geothermal), biofuels, fuel cell power, smart grid technologies, energy efficiency solutions, and U.S.-based services critical to the deployment of clean energy supplies. For more information, contact [Helaina Matza](#) at (202) 647-0716.

HAZMAT

MAILING STANDARDS FOR LITHIUM BATTERIES The U.S. Postal Service (USPS) adopted new standards for mailing lithium batteries ([80 FR 3996](#)). The final rules revise [Publication 52](#) (Hazardous, Restricted, and Perishable Mail). The revisions align USPS requirements with recently revised Department of Transportation (DOT), Pipeline and Hazardous Materials Safety Administration (PHMSA) regulations governing the transport of lithium batteries. USPS will continue to allow mailings of lithium metal or lithium-ion batteries packaged with the equipment they operate and lithium-ion batteries packaged without equipment (individual batteries) in domestic air transportation. Under the new standards, packages must not contain more than eight lithium cells or two batteries. Cells and batteries must be within USPS limitations for lithium metal content (or watt-hour rating). Packages must comply with marking requirements and be accompanied by documentation. The final rule is effective 2 MAR 15. For more information, contact Joan Hall at (212) 330-5332.

HAZMAT PACKAGING AND TRANSPORT: ALIGNMENT WITH INTERNATIONAL STANDARDS PHMSA amended its [hazardous materials regulations \(80 FR 1075\)](#). The amendments align federal rules with international standards, effective 1 JAN 15. The amendments are intended to ensure that domestic hazard classification, hazard communication, and packaging requirements are consistent with those employed throughout the world. For more information, contact Steven Webb at (202) 366-8553.

HAZARDOUS MATERIAL REGULATIONS PHMSA is proposing to make updates and clarifications to its hazardous material regulations ([80 FR 3787](#)). Among the proposed amendments: removing the packing group (PG) II designation for certain organic peroxides, self-reactive substances and explosives; incorporating requirements for trailers of manifolded acetylene cylinders; and providing requirements to allow for shipments of damaged wet electric batteries. In addition, PHMSA is proposing to revise requirements for the packaging of nitric acid, testing of pressure relief devices on cargo tanks, and shipments of black or smokeless powder for small arms. Comments are due 24 MAR 15. For more information, contact Neal Suchak at (202) 366-8553.

NATURAL RESOURCES

NEPANODE is a geospatial and document management system made freely available to federal staff and contractors working to implement the National Environmental Policy Act (NEPA) and related environmental review and permitting processes. It is a pilot effort to provide a shared service for NEPA staff hosted on the cloud and using only free and open source software.

ENHANCING COORDINATION OF NATIONAL EFFORTS IN THE ARCTIC President Obama issued [EO 13689](#) (Enhancing Coordination of National Efforts in the Arctic) on 26 JAN 15. The EO establishes an Arctic executive steering committee tasked to provide guidance to executive departments and agencies and enhance coordination of federal Arctic policies. The steering committee is required to establish a working group tasked to identify potential areas of overlap and duplication between and within agencies with respect to implementation of Arctic policy and strategic priorities. The working group will develop recommendations to increase coordination, reduce duplication of effort, and address potential gaps in implementation. The Deputy Secretary (or equivalent) of Defense is assigned membership to the steering committee.

FEDERAL RESOURCE MANAGEMENT AND ECOSYSTEM SERVICES GUIDEBOOK The [Federal Resource Management Ecosystem Services Guidebook](#) is a website that serves as a training manual to streamline the management of ecosystem services. With the guidebook, resource managers can create clear, workable plans that prioritize the work needed to establish and maintain resilient communities. It discusses ways ecosystem services are and can be integrated into federal resource management, provides answers to "frequently asked questions," and provides guidance. The website has a section on how federal agencies are using it and tools for stakeholder engagement, ecological assessment, integrating social measures, monetary valuation, and multi-criteria evaluation.

STRATEGIC GROWTH POLICY FOR THE NATIONAL WILDLIFE REFUGE SYSTEM The Fish and Wildlife Service (FWS) finalized a [policy](#) to implement a strategic approach to the growth of the National Wildlife Refuge System (80 FR 2119). The policy prioritizes acquisitions within existing refuge boundaries, expansion of existing refuges, and establishment of new refuges. It focuses protection measures on priority conservation features to make the most of limited resources. The policy identifies threatened and endangered species, migratory birds of conservation concern, and waterfowl (or the surrogate species that represent them) as priority conservation features. For more information, contact Brian Salem at (703) 358-2397.

OTHER

FACT CHECKING SCIENCE-BASED CLAIMS [FactCheck.org](#) launched [SciCheck](#), a new site that focuses exclusively on false and misleading scientific claims made by partisans to influence public policy. The new science feature was made possible by a grant from the Stanton Foundation, founded by the late Frank Stanton, president of CBS from 1946 to 1971.

THREATENED AND ENDANGERED SPECIES

BAKERS LARKSPUR FWS announced the availability of a [draft recovery plan](#) for [Baker's larkspur](#) (*Delphinium bakeri*) for public comment (80 FR 1659). The species is endemic to Marin and Sonoma Counties, California. Comments on the draft recovery plan are due 16 MAR 15. For more information, contact Jennifer Norris at (916) 414-6700.

MEXICAN WOLF FWS listed the [Mexican wolf](#) (*Canis lupus baileyi*) as an endangered subspecies of the gray wolf (80 FR 2487). The subspecies is found in Arizona and New Mexico. In a related action, FWS issued a final rule revising regulations for the nonessential experimental population (NEP) of the Mexican wolf (80 FR 2512). The final rule is revised so that the NEP will be associated with the Mexican wolf subspecies rather than with the gray wolf because FWS is proposing to delist the gray wolf in the U.S. and Mexico. Both final rules are effective 17 FEB 15. For more information, contact Sherry Barrett at (505) 761-4704.

23 SPECIES THE MARIANA ISLANDS FWS reopened the public comment period on its [proposal](#) to list 21 plant and animal species from the Mariana Islands (U.S. Territory of Guam and the U.S. Commonwealth of the Northern Mariana Islands) as endangered and two plant species from the Mariana Islands as threatened (80 FR 1491). Comments were due 11 FEB 15. For more information, contact Kristi Young at (808) 792-9400.

20 CORAL SPECIES The National Marine Fisheries Service is considering whether to propose protective regulations for the conservation of the 20 coral species recently listed as threatened (80 FR 1616). Fifteen of the listed species occur in the indo-Pacific and five occur in the Caribbean. The service is seeking public comment to inform its evaluation of what, if any, protective regulations are necessary and advisable for the conservation of these species. Comments are due 16 MAR 15. For more information, contact Lance Smith at (808) 725-5131.

TOXICS

LEAD-BASED PAINT: TRAINING REQUIREMENTS EPA is proposing to revise training requirements associated with the 2008 [Lead Renovation, Repair, and Painting \(RRP\) rule](#) and the 1996 [Lead-based Paint \(LBP\) Activities rule](#) (80 FR 1873). EPA is proposing to eliminate the requirement that renovator refresher training have a hands-on component. The agency is also proposing to remove jurisdiction-specific certification and accreditation requirements under the LBP Activities program. In addition, EPA is proposing to add clarifying language to the requirements for training providers under both the RRP and LBP Activities programs. Comments are due 13 FEB 15. For more information, contact [Marc Edmonds](#) at (202) 566-0758.

TOXIC RELEASE INVENTORY EPA released the [2013 Toxics Release Inventory \(TRI\) National Analysis](#) report. The TRI report is available in a new interactive format that features analyses and interactive maps showing data at state, county, city, and zip code levels. For more information, contact [Rachel Deitz](#) at (202) 564-1807.

WASTE

RECYCLING: EXCLUSION FROM HAZARDOUS WASTE RULES EPA published a final rule revising several recycling-related provisions associated with the definition of a solid waste ([80 FR 1693](#)). The revisions are intended to ensure that recycling regulations encourage reclamation in a way that does not result in increased risk to human health and the environment. The revisions allow certain materials that would otherwise need to be managed as a hazardous waste to be recycled, as long as certain conditions are met. Under the exclusion, a facility that recycles the newly excluded materials (rather than dispose of them as hazardous waste) must send the material to a “verified recycler” that has obtained a variance from EPA or the authorized state. The revisions also add requirements for storage of recyclable materials (meet a new definition of “contained”), recordkeeping, and emergency preparedness and response. The final rule is effective 13 JUL 15. For more information, contact [Tracy Atagi](#) at (703) 208-8672.

WATER

SPILL RESPONSE EPA is proposing to amend rules governing the use of dispersants, certain chemical and biological agents, and other spill mitigating substances when responding to oil discharges into waters of the U.S. ([80 FR 3379](#)). The proposal includes amendments to requirements for notifications, monitoring, and data reporting. The proposed amendments establish monitoring requirements for underwater application of dispersants, dispersants used for an extended period of time, and dispersants used in cases of major oil discharges. The amendments are intended to ensure that On-Scene Coordinators (OSCs), Regional Response Teams (RRTs), and Area Committees (ACs) have sufficient information to support agent preauthorization or authorization of use decisions. Comments are due 22 APR 15. For more information, contact [Gregory Wilson](#) at (202) 564-7989 or view this [fact sheet](#).

GROUNDWATER PROTECTION STANDARDS FOR URANIUM MINING In advance of formal publication in the Federal Register, EPA [is proposing](#) new groundwater protection standards for a type of uranium mining referred to as uranium in-situ recovery (ISR) or in-situ leach uranium mining. The proposed rule would regulate byproduct materials resulting from uranium ISR. The proposed rule includes both surface and subsurface standards, with a major focus on groundwater protection, restoration, and stability.

DEFINITION OF WATERS OF THE U.S.: CONNECTIVITY REPORT EPA released the final report titled [Connectivity of Streams and Wetlands to Downstream Waters: A Review and Synthesis of the Scientific Evidence](#) (408 pages) ([80 FR 2100](#)). The report summarizes current understanding about the connectivity and mechanisms by which streams and wetlands affect the physical, chemical, and biological integrity of downstream waters. The report informs development of [a rule](#) proposed by EPA and the U.S. Army Corps of Engineers (USACE) intended to clarify the definition of the term “waters of the United States” under the Clean Water Act. The report addresses three main questions related to connectivity: What are the physical, chemical, and biological connections to, and effects of:

- ephemeral, intermittent, and perennial stream on downstream waters?
- riparian or floodplain wetlands and open-waters on downstream waters?
- wetlands and open-waters in non-floodplain settings on downstream waters?

For more information, contact [Laurie Alexander](#) at (703) 347-8630, or visit [EPA’s website](#) to view this [fact sheet](#).

ARSENIC IN GROUNDWATER AT PETROLEUM SPILL SITES A long-term field study by the U.S. Geological Survey has found increased concentration of arsenic in groundwater at a petroleum spill site. The study, which investigated natural attenuation of a petroleum hydrocarbon spill in a shallow aquifer, found that the breakdown of petroleum hydrocarbons underground can release naturally occurring arsenic into groundwater. While arsenic is naturally present in most soils and sediments at various concentrations, it is not commonly a health concern until it is mobilized by a chemical reaction and dissolves into groundwater. At the study site, arsenic concentrations in the hydrocarbon plume were as high as 230 micrograms per liter ($\mu\text{g/L}$), or 23 times the current drinking water standard of 10 $\mu\text{g/L}$. Arsenic concentrations in groundwater outside (upgradient and downgradient) of the plume were less than 10 $\mu\text{g/L}$. The study

highlights the need for long-term monitoring of arsenic and other chemicals that pose a water quality concern in areas associated with petroleum hydrocarbon leaks and spills. For more information, visit the [study website](#) or read the [study abstract](#).

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. Prior presentations are archived for viewing any time.

- 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.

AVERT TUTORIAL EPA launched its new on-demand training on how to use its Avoided Emissions and generation tool (AVERT). AVERT estimates the potential of energy efficiency/renewable energy (EE/RE) programs to displace electricity system-related SO₂, NO_x, and CO₂ emissions in the continental United States. The tool can be used to evaluate county, state and regional level emissions displaced by energy efficiency and renewable energy programs without the need to specialized resources or electricity system expertise.

FEMP TRAINING SEARCH TOOL FEMP recently launched the FEMP Training Search, a web tool that lists free training opportunities to help agencies meet federal energy, water, and sustainability laws and requirements. The new search tool provides options to easily find and select training offerings by topic area, topic series, course format and type, and by level of difficulty—introductory (101), intermediate (201), and advanced (301).

EPA TMDL AND NPDES PERMIT TRAINING EPA developed three web-based training modules on topics related to TMDLs and NPDES permitting. The presentations are intended for TMDL developers and NPDES permitting staff to gain a better understanding of TMDL implementation through NPDES permits. Each module is offered as a recorded presentation that enables participants to review the material on demand in a self-paced environment. The modules are also available as unrecorded PowerPoint presentations with slides and scripts. Each recorded session is approximately 2 hours long.

Module 1: Understanding TMDLs: A Primer for NPDES Permit Writers

Module 2: Understanding Waste Load Allocation Implementation in Permits: A Primer for TMDL Developers

Module 3: Understanding TMDLs with Stormwater Sources and the NPDES Stormwater Permitting Process

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.

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

AAQS	ambient air quality standards
ACHP	Advisory Council on Historic Preservation
ACUB	Army Compatible Use Buffer
ADEQ	Arizona Department of Environmental Quality
ADWR	Arizona Department of Water Resources
AFB	Air Force Base
AGRRC	Arizona Governor's Regulatory Review Council
AQIP	Air Quality Improvement Program
ARNG	Army National Guard
ASTM	American Standard Test Method
ATSDR	Agency for Toxic Substances and Disease Registry
BACM	best available control measure
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
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CaRFG3	phase 3 California reformulated gasoline
CATEX	categorical exclusion
CBAR	California Bureau of Automotive Repair
CDC	California Department of Conservation
CDFW	California Department of Fish and Wildlife
CDPH	California Department of Public Health
CDPR	California Department of Pesticide Regulation
CDTSC	California Department of Toxic Substances Control
CDWR	California Department of Water Resources
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CH ₄	methane
CNOR	candidate notice of review
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
COAL	California Office of Administrative Law
COEHHA	California Office of Environmental Health Hazard Assessment
CPUC	California Public Utilities Commission
CrVI	hexavalent chromium
CSWRCB	California State Water Resources Control Board
CVC	California Vehicle Code
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
DSM	demand side management
DPS	distinct population segment
EA	environmental assessment
ECA	emission control area
ECF	emission comparable fuel

EIS	environmental impact statement
EPA	Environmental Protection Agency
EO	Executive Order
ESA	Endangered Species Act of 1973
ESTCP	Environmental Security Technology Certification Program
FERC	Federal Energy Regulatory Commission
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FONSI	finding of no significant impact
FS	Forest Service
FWS	Fish and Wildlife Service
FY	fiscal year
GAO	Government Accountability Office
GEPA	Guam Environmental Protection Agency
GHG	greenhouse gas
GSA	General Service Administration
HAP	hazardous air pollutant
HAR	Hawaii Administrative Rule
HB	House Bill
HCFC	hydrochlorofluorocarbon
HCWRM	Hawaii Commission on Water Resource Management
HDA	Hawaii Department of Agriculture
HDLNR	Hawaii Department of Land and Natural Resources
HDOH	Hawaii Department of Health
HFC	hydrofluorocarbon
HFE	hydrofluorinated ethers
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
MACT	maximum achievable control technology
MADL	maximum allowable dose level
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
NAC	Nevada Administrative Code
NDEP	Nevada Division of Environmental Protection
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
NSEC	Nevada State Environmental Commission
NSPS	New Source Performance Standard

NSR	New Source Review
OIE	Office of Energy Initiatives
OMB	Office of Management and Budget
ORCR	Office of Resource Conservation and Recovery
ORW	outstanding resource water
P2	pollution prevention
PBDE	polybrominated diphenyl ethers
PFC	perfluorocarbons
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid
PM	particulate matter
PM2.5	particulate matter 2.5 microns in diameter or less
PM10	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
RACT	reasonably available control technology
RCRA	Resource Conservation and Recovery Act
RoC	Report on Carcinogens
RoHS	European Union's Restriction of Hazardous Substances
RRP	Renovation, Repair, and Painting
SERDP	Strategic Environmental Research and Development Program
SIP	state implementation plan
SNAP	significant new alternatives policy
SNUR	significant new use rule
SO ₂	sulfur dioxide
SOx	sulfur oxides
SPCC	spill prevention, control, and countermeasures
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
WCI	Western Climate Initiative
WGA	Western Governors' Association
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 9 *Western Review* distribution list, email [Nancy Reese](#).