



U.S. ARMY

Western Review of Legislative & Regulatory Actions Region 9



The U.S. Army Regional Environmental & Energy Office

March 2014

The **WESTERN REGION 9 REVIEW** provides current information on natural resource, energy, and environmental issues relevant to Department of Defense interests in the 4 states and territories that comprise Federal Region 9. The Review is intended to be a tool useful to DoD and Army leaders, planners, and program managers in carrying out their responsibilities. The Western Region 9 Review monitors and targets proposed and final regulations and legislation that may affect Army or DoD operations. To receive a copy of this electronic publication, send an email request to nancy.l.reese2.ctr@mail.mil.



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EPA Enforcement: Fiscal Year 2013

The U.S. Environmental Protection Agency (EPA) has published [annual results](#) of its fiscal year (FY) 2013 enforcement actions.

An interactive case map shows information on concluded enforcement actions and cases from FY13. The map shows civil enforcement actions taken by EPA, criminal cases prosecuted by the agency, and cases in which EPA provided significant support to cases prosecuted under state criminal law. Users can then link to the agency's Enforcement and Compliance History Online ([ECHO](#)) detailed facility report. Federal facilities are indicated by color. In addition, [FedCenter.gov](#) lists [EPA enforcement actions](#) issued to federal facilities and private industry.

Trends: A comparison of [FY13](#) and [FY12](#) results shows that in 2013, EPA conducted 1,835 fewer facility inspections (a 9% decrease). The number of final administrative penalty orders and the number of administrative compliance orders each decreased by nearly 20% over the same period. In addition, the amount liable parties committed to reimburse the federal government for Superfund cleanup increased by 41% (to \$292 million), and the amount paid for government oversight at Superfund sites increased by 27% (to \$93 million).

Looking Forward: According to EPA's [Draft Strategic Plan for FY 2014-2018](#), the agency intends to reduce its reliance on inspections and enforcement and increase its reliance on so-called Next-Generation tactics (i.e., electronic reporting and monitoring to identify violations) to increase compliance. The plan calls for the agency to reduce the number of inspections by 30% and to initiate 23% fewer enforcement actions over the 5-year period, compared to a FY 2012 baseline.

Region 9

For more information on any state issues in Region 9, contact
[Tim Kilgannon](#), Region 9 Environmental Coordinator (303) 844-0953.



LEGISLATIVE DEVELOPMENTS

The [2014 Arizona legislative session](#) began 13 JAN 14 and adjourns 31 MAY 14. An * indicates the first time a bill appears in the 2014 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				
* HB 2623 <i>Representative Frank Pratt (R)</i> Proposes to require the Department of Environmental Quality to establish CO ₂ emission standards for existing coal-fired electric generating units that are separate from those for natural gas-fired units.	✓			
ENERGY				
* HCR 2032 <i>Representative Chad Campbell (D)</i> Proposes to establish a net metering program. Establishes program requirements.	✓			
* SB 1467 <i>Senator John McComish (R)</i> Proposes to establish that solar energy devices owned or leased by a third party add no value to the property if the energy is made available to the grid.	✓			
LAND USE				
* HB 2700 <i>Representative Bob Thorpe (R)</i> Proposes to require the State Department identify state lands acquired by the federal government after statehood, including state lands located within national monuments designated pursuant to the Antiquities Act of 1906. Establishes monitoring and reporting requirements.	✓			
* SB 1458 <i>Senator Gail Griffin (R)</i> Proposes to amend requirements for land conservation. Defines land conservation practices.	✓			
NATURAL RESOURCES				
* HB 2699 <i>Representative Bob Thorpe (R)</i> Proposes to terminate all programs for threatened and endangered species on 31 AUG 14 unless each individual program is approved by majority vote in each legislative house.	✓			

<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				
HB 2092 <i>Representative Thomas Shope (R)</i> Proposes to terminate the Arizona Department of Environmental Quality on 1 JUL 24.	✓	✓		
*SB 1465 <i>Senator Carlyle Begay (D)</i> Proposes to amend provisions for the rural Arizona and tribal infrastructure capital improvement plan. The plan is intended to ensure adequate financial resources for infrastructure development for rural Arizona and tribal communities and to provide for the planning and development of infrastructure in an efficient and cost-effective manner.	✓			
WASTE				
WATER				
HB 2326 <i>Representative Thomas Shope (R)</i> Proposes to address water banking authority and water storage credits.	✓			
*HB 2516 <i>Representative Steve Smith (R)</i> Proposes to prohibit the Department of Water Resources from adopting or implementing certain administrative rules in the Pinal Active Management Area. Prohibits rules that reduce credits granted for the extinguishment of irrigation grandfathered rights to an amount less than the full amount of the irrigation grandfathered right held by the owner of the right.	✓			
*SB 1274 <i>Senator Gail Griffin (R)</i> Proposes to establish requirements relating to aquifer protection permits. Such permits are issued to facilities that release pollutants directly to an aquifer or to land surface, or underlying soils where it is likely the pollutant will reach an aquifer. Revises financial requirements.	✓			
*SCM 1001 <i>Senator Gail Griffin (R)</i> Proposes to urge the federal Department of the Interior to immediately take all necessary measures to operate the Yuma Desalting Plant.	✓	✓		



TOXICS

PROPOSITION 65: TCE The California Office of Environmental Health Hazard Assessment (COEHHA) [added trichloroethylene \(TCE\)](#) to the list of chemicals known to the state to cause reproductive toxicity under the Safe Drinking Water and Toxic Enforcement Act of 1986 ([Proposition 65](#)). Under Proposition 65, businesses in California are required to provide a "[clear and reasonable](#)" warning before knowingly and intentionally exposing anyone to a listed chemical, with some exemptions. Proposition 65 also prohibits companies that do business within California from knowingly discharging listed chemicals into sources of drinking water. The listing was effective 31 JAN 14. For more information, contact [Cynthia Oshita](#) at (916) 445-6900.

REFERENCE EXPOSURE LEVELS FOR BENZENE COEHHA published a draft document titled, *Proposed Reference Exposure Levels (RELs) for Benzene*. The draft document was presented to the Scientific Review Panel on Toxic Air Contaminants on 13 FEB 14. Proposed values for acute, 8-hour, and chronic RELs are 27 micrograms/cubic meter ($\mu\text{g}/\text{m}^3$) (i.e., 8 parts per billion [ppb]), $3 \mu\text{g}/\text{m}^3$ (1 ppb), and $3 \mu\text{g}/\text{m}^3$, respectively.

LEGISLATIVE DEVELOPMENTS

The 2014 California legislative session began 5 JAN 14 and adjourns 30 NOV 14. An * indicates the first time a bill appears in the 2014 Review. An ** indicates the topic a bill changed substantially.

<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				
AB 26 <i>Assemblywoman Susan Bonilla (D)</i> Proposes to prohibit the Controller from using moneys deposited in the Greenhouse Gas Reduction Fund for cash flow loans to the General Fund.	✓	✓		
AB 147 <i>Assemblyman Manuel Perez (D)</i> Proposes to specify certain actions be completed concerning dust mitigation in the Salton Sea. Pertains to abatement of dust from the Salton Sea caused by other water transfers in the Quantification Settlement Agreement.	✓	✓		
AB 278 <i>Assemblyman Mike Gatto (D)</i> Proposes to change how the California Air Resources Board scores low carbon fuels. Requires the board to consider specific issues including deforestation, environmental law in place for the fuel's origin, and disruptions in food supply or costs.	✓	✓		
* AB 1639 <i>Assemblywoman Shannon Grove (R)</i> Proposes to specify how monies collected for the Greenhouse Gas Reduction Fund may be spent. States that monies should be expended to achieve the maximum technologically feasible and cost-effective reduction in greenhouse gas emissions.	✓			
SB 605 <i>Senator Ricardo Lara (D)</i> Proposes to require the California Air Resources Board, when updating the greenhouse gas scoping plan, to include specified criteria. Requires all greenhouse gas emissions reductions be achieved within the state in areas that are most impacted by greenhouse gases and other pollutants.	✓	✓		
ENERGY				
AB 1014 <i>Assemblyman Das Williams (D)</i> Proposes to create the Green Tariff and Shared Renewable Generation program.	✓	✓		
* AB 1624 <i>Assemblyman Richard S. Gordon (D)</i> Proposes to authorize the Public Utilities Commission to authorize collection of funds for the self generation program. Requires electrical corporations to administer the program for distributed energy resources.	✓			
* AB 1763 <i>Assemblyman Henry T. Perea (D)</i> Proposes to make changes to existing requirements related to California State Energy Resources Conservation and Development Commission forecasts.	✓			

<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>
<p>*AB 2649 <i>Assemblyman Kevin Mullin (D)</i> Proposes to authorize a military installation to exceed the one megawatt net metering capacity limit. Also provides that each physically separate building within privatized residential housing communities is a separate premise for the purposes of the one megawatt limit, as it would be in a civilian community.</p>	✓			
LAND USE				
<p>*SB 186 <i>Senator Stephen Knight (R)</i> Proposes to make technical changes to the Planning and Zoning law that requires local agencies to prepare and adopt general land use plans. Addresses housing and related elements.</p>	✓			
NATURAL RESOURCES				
<p>**AB 37 <i>Assemblyman Henry T. Perea (D)</i> This bill formerly concerned amendments to California Environmental Quality Act. The bill has been amended to address the state unemployment fund. The bill no longer falls within the scope of the Review. It will not appear again.</p>	✓	✓		
<p>AB 1514 <i>Assemblywoman Lorena Gonzalez (D)</i> Proposes to authorize the Department of Fish and Wildlife to enter into an agreement to prepare a natural community conservation plan. Provides for management and conservation of wildlife species, but not limited to those species listed as endangered or threatened. Authorizes a person or local, state, or federal agency to undertake natural community conservation planning.</p>	✓			
<p>*SB 167 <i>Senator Ted Gaines (R)</i> Proposes to make technical changes to California Environmental Quality Act requirements for lead agencies to prepare environmental impact reports.</p>	✓			
OTHER				
<p>*SB 221 <i>Senator Michael J. Rubio (D)</i> Proposes to allow local governments to collect taxes on alternative fueled vehicles.</p>	✓			
WASTE				
<p>AB 215 <i>Assemblyman Wesley Chesbro (D)</i> Proposes to revise the definitions of the various terms pertaining to requirements for rigid plastic packaging containers.</p>	✓	✓		
<p>AB 467 <i>Assemblyman Mark Stone (D)</i> Proposes to require the California State Board of Pharmacy to license a surplus medication collection and distribution intermediary to facilitate the connection of participating entities under the unused medication repository and distribution program. Prohibits the intermediary from taking possession, custody, or control of dangerous drugs and devices, and authorizes him or her to charge specified fees for the costs of services.</p>	✓	✓	✓	In concurrence

<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>
<p>*AB 1594 <i>Assemblyman Das Williams (D)</i> Proposes to amend requirements for city, county, and regional agency integrated waste management plan. Amends requirements pertaining to source reduction and recycling elements in these plans. Authorizes rules governing the use of green material as alternative daily cover under certain conditions.</p>	✓			
<p>SB 712 <i>Senator Ricardo Lara (D)</i> Proposes to require the California Department of Toxic Substances Control to take final action on an application for a hazardous waste facilities permit submitted by a facility operating under a grant of interim status on or before 1 JAN 86, by either issuing a final permit or a final denial. Requires the department to issue a final decision by 31 DEC 15.</p>	✓	✓		
WATER				
<p>AB 282 <i>Assemblyman Bob Wieckowski (D)</i> Proposes to increase the fee to store petroleum in an underground storage tank by \$0.006 per gallon until 2016.</p>	✓	✓		
<p>AB 371 <i>Assemblyman Rudy Salas (D)</i> Proposes to allow the Kern County Board of Supervisors to regulate or prohibit by ordinance, in a manner more stringent than state or federal law, the land application of sewage sludge in unincorporated areas under the county's jurisdiction.</p>	✓	✓		
<p>AB 467 <i>Assemblyman Mark Stone (D)</i> Proposes to require the state board, in expending moneys from the Freshwater Protection Fund, to prioritize programs that provide drinking water solutions for disadvantaged and severely disadvantaged communities.</p>	✓	✓	✓	In concurrence
<p>AB 1445 <i>Assemblyman Dan Logue (R)</i> Proposes to create the Safe, Clean, and Reliable Drinking Water Supply Act of 2014 to authorize the issuance of bonds to finance a safe drinking water and water supply reliability program.</p>	✓			
<p>*AB 1632 <i>Assemblywoman Kristin Olsen (R)</i> Proposes to make changes to the water rights beneficial uses program.</p>	✓			
<p>*AB 1671 <i>Assemblyman Jim Frazier (D)</i> Proposes to prohibit the state from constructing water facilities as part of a specified water conveyance system unless authorized by the legislature.</p>	✓			
<p>*AB 1707 <i>Assemblyman Scott Wilk (R)</i> Proposes to make changes to state laws governing state and regional water quality control boards and implementation of the national pollutant discharge elimination system permitting program.</p>	✓			
<p>*SB 985 <i>Senator Fran Pavley (D)</i> Proposes to require a county or district stormwater resource plan to identify opportunities to use existing publicly owned lands to capture and reuse stormwater.</p>	✓			

LEGISLATIVE DEVELOPMENTS

The [2014 Hawaii legislative session](#) began 15 JAN 14 and adjourns 1 MAY 14. An * indicates the first time a bill appears in the 2014 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				
HB 1490 <i>Representative Isaac W. Choy (D)</i> Proposes to require certain diesel-powered electrical power generators to be equipped with diesel particulate filters that remove no less than 85% of the particulate matter.	✓			
HB 1714 <i>Representative Joseph Souki (D)</i> Proposes to address climate change adaptation. Tasks the sustainability coordinator to identify expected climate impacts and submit a report. Tasks the Office of Planning to establish and implement strategic climate adaptation plans and policy recommendations. Establishes an interagency climate council tasked to implement state climate change policy through 2050. Appropriates funds. Companion bill is SB 2344.	✓			
* HB 2156 <i>Representative Mark Jun Hashem (D)</i> Proposes to provide the Department of Health with greater flexibility in creating rules to reduce greenhouse gas emissions in the state. Companion bill is SB 3007.	✓			
SB 2344 <i>Senator Donna Mercado Kim (D)</i> Proposes to address climate change adaptation. Tasks the sustainability coordinator to identify expected climate impacts and submit a report. Tasks the Office of Planning to establish and implement strategic climate adaptation plans and policy recommendations. Establishes an interagency climate council tasked to implement state climate change policy through 2050. Appropriates funds. Companion bill is HB 1714.	✓			
* SB 3007 <i>Senator J. Kalani English (D)</i> Proposes to provide the Department of Health with greater flexibility in creating rules to reduce greenhouse gas emissions in the state. Companion bill is HB 2156.	✓			
ENERGY				
HB 94 <i>Representative Faye P. Hanohano (D)</i> Proposes to establish a virtual net metering pilot program for renewable energy projects to expand access to renewable energy resources to all ratepayers. Allows the Public Utilities Commission to revise the bill credit mechanism for renewable energy credits. Companion bill is SB 379.	✓			
HB 728 <i>Representative K. Mark Takai (D)</i> Proposes to authorize group net metering among electric utility customers beginning 1 JUL 14. Directs the Public Utilities Commission to adopt rules for group net metering.	✓			

<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 757 <i>Representative Chris Kalani Lee (D)</i> Proposes to establish renewable portfolio standards in the state. Specifies the percentage of net energy sales that must come from renewable energy, with the percentage increasing every five years, until reaching 100% by 31 DEC 50.	✓			
HB 1199 <i>Representative Marcus R. Oshiro (D)</i> Proposes to expand net metering by requiring large-capacity eligible customer generators to be selected by competitive sealed bidding; and amending maximum allowable capacity of eligible customer generators and total rated generating capacity. Companion bill is SB 1291.	✓			
HB 1584 <i>Representative Joseph Souki (D)</i> Proposes to establish a renewable energy facility siting process to expedite the review and action upon state and county permits necessary for the siting, development, construction, and operation of a renewable energy facility.	✓			
*HB 1939 <i>Representative Chris Kalani Lee (D)</i> Proposes to extend the clean energy initiative program goals to 2050 and the renewable portfolio standards to 100% clean energy by 2050.	✓			
*HB 1997 <i>Representative Angus L. K. McKelvey (D)</i> Proposes to establish a state department of energy. Transfers energy development and management functions of Department of Business, Economic Development and Tourism to the new department.	✓			
SB 379 <i>Senator Russell Ruderman (D)</i> Proposes to establish a virtual net metering pilot program for renewable energy projects to expand access to renewable energy resources to all ratepayers. Allows the Public Utilities Commission to revise the bill credit mechanism for renewable energy credits. Companion bill is HB 94.	✓			
SB 1291 <i>Senator Mike Gabbard (R)</i> Proposes to expand net metering by requiring large-capacity eligible customer generators to be selected by competitive sealed bid. Amends the maximum allowable capacity of eligible customer generators and total rated generating capacity. Companion bill is HB 1199.	✓			
LAND USE				
HB 509 <i>Representative Jo Jordan (D)</i> Proposes to establish the Makua Valley Reserve Commission to oversee preservation and restoration activities in Makua Valley on Oahu.	✓	✓		
NATURAL RESOURCES				
OTHER				
WASTE				

<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>
WATER				
* HB 1969 <i>Representative Mark M Nakashima (D)</i> Proposes to assess a \$1 royalty for every 1,000 gallons pumped from state aquifers. Dedicates revenues to offset water system project costs.	✓			
* HB 2204 <i>Representative Chris Kalani Lee (D)</i> Proposes to create a working committee in the Department of Health to prepare a work plan to support stormwater management systems and infrastructure. Appropriates funds.	✓			

In addition, the Guam 32nd legislative session began 14 JAN 13 and adjourns 31 DEC 14.

[BCOR 11-32](#) proposes to create the Guam Coral Reef Protection Act. The act includes notification provisions for any person who damages corals and provides for civil and other penalties. Introduced 10 JAN 14.

[BCOR 61-32](#) proposes to adopt the Guam Energy Code. Vetoed 13 FEB 14.

[RCOR 186-32](#) proposes to request the United States permanently station a Terminal High Altitude Area Defense (THAAD) system and Patriot Missile Defense System on Guam. Introduced 15 JUL 13.

[RCOR 189-32](#) proposes to adopt Zero Waste as a guiding principle for sustainable materials management and to adopt a Zero Waste Plan for Guam to preserve the Lanyon landfill. Introduced 17 JUL 13.



ENERGY

HYDRAULIC FRACTURING The Nevada Commission on Mineral Resources is [proposing amendments](#) to state rules that address the use of hydraulic fracturing in the drilling of exploration or production wells for oil and/or gas in Nevada. The amendments would amend Chapter 522 Nevada Administrative Code (NAC). This action is being taken in response to Senate Bill 390 (2013), which requires the Nevada Division of Minerals and the Division of Environmental Protection to develop a program to regulate hydraulic fracturing. The program must assess the effects of hydraulic fracturing on waters of the state, require disclosure of chemicals used in hydraulic fracturing in the state, and provide public notice about hydraulic fracturing activities. For more information, contact the Nevada Division of minerals at (775) 684-7040.

NATURAL RESOURCES

SAGE GROUSE HABITAT COMPETITIVE GRANT FUND The Nevada Department of Conservation and Natural Resources is [proposing](#) to establish the Sage Grouse Habitat Competitive Grant Fund. To be considered for a grant, applications must have been reviewed by the [Sagebrush Ecosystem Technical Team](#), be ready to be implemented, and directly benefit the sage grouse population (as determined by the Sage Grouse Ecosystem Technical Team). This action would amend Chapter 548.120, Section 7 NAC. For more information, contact Joe Locurto at (775) 684-8600.

LEGISLATIVE DEVELOPMENTS

[Nevada does not hold a legislative session](#) in 2014.

Department of Defense Activity

U.S. COAST GUARD: COMMANDING OFFICERS ENVIRONMENTAL GUIDE The U.S. Coast Guard released an update to its Commanding Officers Environmental Guide. The guide is designed to be an easy-to-use desktop guide to carry out environmental stewardship for commanding officers and officers in charge of Coast Guard shore units, vessels and aircraft. It replaces COMDTPUB 5090.1B. The publication is a training, education, and awareness tool to environmentally relevant regulations, Executive Orders, and other requirements that affect Coast Guard assets. A copy of the guide is available [upon request](#).

ARMY ENVIRONMENTAL AWARDS The Secretary of the Army Environmental Awards represent the highest honor in the field of environmental science and sustainability conferred by the Army. For more information about the awards, visit the U.S. Army Environmental Command's [website](#). The 2013 winners include:

- Camp Johnson, Vermont Army National Guard, earned the small installation award for its natural resources conservation accomplishments;
- Fort Wainwright, Alaska, earned the cultural resources management award for an installation;
- Fort Hood, Texas, took home the environmental quality award for a non-industrial installation;
- Lake City Army Ammunition Plant in Missouri won the sustainability category for industrial installations;
- Fort Riley, Kansas, won the team award for natural resource conservation efforts;
- Minnesota Army National Guard won the environmental quality team award; and
- Maryland's Fort George G. Meade Installation Restoration and Military Munitions Response Program Team earned the environmental restoration team award.

The following installations were recognized as runners-up in their respective categories:

- Hawaii Army National Guard Keaukaha Military Reservation, natural resources small installation award;
- Redstone Arsenal, Alabama, cultural resources management installation award;
- Maine Army National Guard, environmental quality non-industrial installation;
- Mississippi Army National Guard, sustainability industrial installation;
- Larry Vrtiska, Nebraska Army National Guard, natural resources team/individual;
- Steven Flier, Fort Leonard Wood, Missouri, environmental quality team/individual; and
- Milan Army Ammunition Plant, Tennessee, environmental restoration team/individual.

ENERGY

ARMY QUALIFIES ADDITIONAL FIRMS FOR RENEWABLE ENERGY MATOC The U.S. Army Corps of Engineers, Engineering and Support Center, Huntsville, working with the Army Energy Initiatives Task Force (EITF), [added 20 additional awards to qualified contractors](#) for the renewable energy Multiple Award Task Order Contract (MATOC). These eligible firms can now compete for task orders for renewable energy projects on DoD installations. The 20 contracts are for solar (15), wind (3), and biomass (2) technologies.

NATURAL RESOURCES

LEGACY FUNDS The DoD Legacy Resource Management Program funds projects that protect and enhance our nation's natural and cultural heritage while supporting military readiness. Legacy released its FY15 Areas of Emphasis and Request for Pre-Proposals. [Further information](#) is available. For more information, contact the Legacy support team at DoDLegacy@bah.com.

TOXICS

DoDI 4715.18 EMERGING CONTAMINANTS Department of Defense Instruction (DoDI) [4715.18](#), *Emerging Contaminants*, has been updated. The DoDI establishes policy and assigns responsibilities for the identification, assessment, and risk management of emerging contaminants that have the potential to impact the DoD. The DoDI expires 11 JUN 16.

RISK ALERT FOR LEAD The DoD's [Chemical and Material Risk Management Program](#) issued final Risk Alert #01-14, *Revised Blood Reference Value for Lead*. The risk alert was issued due to new information about the health effects associated with lead exposure for adults and children. The resulting progressively lower levels may impact air quality standards, soil screening concentrations, and occupational exposure limits. For more information, contact [Paul Yaroschak](#), or [request a copy](#) of the risk alert.

ALERT: LEAD C-130 BRAKE ASSEMBLIES During an occupational health special assessment at a C-130 hydraulics shop, results of a total metal analysis of swipe samples of two parts of the C-130 brake assembly identified lead contamination. Lead may not be identified by the manufacturer as part of the brake assembly composition in the safety data sheet (SDS). Workers may be potentially exposed to lead as a byproduct of their occupation. If exposure assessments have not been performed, they may be indicated. It is unknown at this time if other airframes may be affected. To view the attached fact sheet, click on the paperclip icon.



WATER

NET ZERO WATER PILOT: PROGRAMMATIC SUMMARY The Army released the document titled, [Army Net Zero, Water Balance and Roadmap Programmatic Summary](#). Net Zero espouses the belief that consuming natural resources responsibly based on knowledge of long-term resource availability creates a sustainable environment to support an installation's continuing mission. Net Zero water is broadly defined as limiting consumption of freshwater resources and returning water to the same watershed so as not to deplete the region's water resources over the course of a year. The common elements at each Net Zero water pilot installation include:

- Conducting a water balance study to quantify water use at the end level;
- Setting aggressive water use reduction goals (indoor and outdoor); and
- Developing a site-specific Net Zero water objective, tailored to each location's unique requirements.

Based on the results of the study and accounting for installation specific goals and objectives, a roadmap was developed to provide a strategy for the installation to implement a phased approach to reach Net Zero water objectives.

Federal Activity

AIR

DRAFT INTEGRATED REVIEW PLAN: NAAQS FOR NOX EPA released the draft document titled, *Integrated Review Plan for the Primary National Ambient Air Quality Standards for Nitrogen Dioxide* ([79 FR 7184](#)). The document contains the plans for review of air quality criteria for oxides of nitrogen (NOx) and national ambient air quality standards (NAAQS) for nitrogen dioxide (NO₂). Comments are due 13 MAR 14. For more information, contact [Beth Hassett-Sipple](#) at (919) 541-4605. The draft document is available from the EPA's website for [NO₂ Primary Standards](#).

ARIZONA SIP MARICOPA COUNTY PM10 EPA is proposing to approve a revision to the Arizona State Implementation Plan (SIP) concerning the Maricopa County (Phoenix) coarse particulate (PM10) nonattainment area ([79 FR 7118](#)). The

revision is titled, *Maricopa Association of Governments Five Percent Plan for PM10 for the Maricopa County Nonattainment Area* (2012 Five Percent Plan). EPA is proposing to approve the 2012 Five Percent Plan as meeting all relevant statutory and regulatory requirements. Comments were due 10 MAR 14. For more information, contact [Gregory Nudd](#) at (415) 947-4107 or visit the EPA's [Pacific Southwest website](#).

CALIFORNIA NONROAD ENGINE POLLUTION CONTROL: OFF-HIGHWAY VEHICLES AND ENGINES EPA is granting California's request for authorization of amendments to California's Off-Highway Recreational Vehicles and Engines (OHRV) regulations, confirming that certain OHRV amendments are within-the-scope of prior EPA authorizations, and confirming that certain OHRV amendments are not preempted by the Clean Air Act ([79 FR 6584](#)). Petitions for review must be filed by 7 APR 14. For more information, contact [Suzanne Bessette](#) at (734) 214-4703.

CLIMATE CHANGE

DRAFT INVENTORY OF GHG EMISSIONS AND SINKS EPA released its draft [Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2012](#) (529 pages) for public review and comment ([79 FR 10143](#)). Annual U.S. emissions from 1990 through 2012 are summarized and presented by source category and sector. The inventory contains estimates of carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbon (HFC), perfluorocarbon (PFC), and sulfur hexafluoride (SF₆) emissions. The inventory also includes estimates of carbon fluxes in U.S. agricultural and forest lands. The report found that while total greenhouse gas (GHG) emissions increased by 4.4% from 1990 to 2012, emissions also decreased 3.3% from 2011 to 2012. The decrease is attributed to a decrease in the carbon intensity of fuels used to generate electricity, an increase in fuel efficiency across different transportation modes, and warmer winter conditions. Comments are due 26 MAR 14. For more information, contact [Leif Hockstad](#) at (202) 343-9432 or visit EPA's [National GHG Emissions Data website](#) to download an executive summary and individual report sections.

CLIMATE ADAPTATION PLANNING The General Services Administration (GSA) released the Sustainable Facilities Tool [annotated version](#) of Executive Order (EO) 13653 (*Preparing the United States for the Impacts of Climate Change*). Click through the annotated text for definitions, strategies, and links for more information. In addition, the U.S. Global Change Research Program created a [new website](#) featuring a collection of resources to help federal agencies plan and implement climate change adaptation. Resources include relevant federal executive orders and strategic plans, selected technical reports on adaptation research, frameworks, and overview reports for higher-level decision makers. These resources can be used to assist agencies with meeting the requirements in EO 13563.

ENERGY

SENATE BILL 1971: THE NEXUS FOR ENERGY AND WATER SUSTAINABILITY Vast amounts of water are used every day to produce fuels and cool power plants. Water is critical for electricity production and movement. At the same time, electricity is needed to treat, transport, and convey water across the county. These inseparable links create the [energy-water nexus](#). U.S. Senators Ron Wyden (D-Oregon) and Lisa Murkowski (R-Alaska) introduced legislation recognizing the important connection between energy and water. [Senate bill 1971](#) would create a subcommittee within the nation Science Technology Committee to coordinate and streamline federal activities related to management of the energy-water nexus. The bill also calls for the Office of Management and Budget to submit to the relevant congressional committees a so-called "cross-cut" budget to detail various expenditures across the federal government related to energy-water activities and to assist coordination and streamlining efforts.

DOE TO PUSH FOR TALLER WIND TOWERS The Department of Energy (DOE) [announced \\$2 million in research funding](#) to develop wind turbines taller than the average height of existing, utility-scale wind turbines installed in the United States (approximately 300 feet). The department aims to promote development of turbines with a height of 328 feet to 393 feet because research shows that taller turbines take advantage of the stronger, more consistent winds available at greater heights. While utility-scale wind turbines in operation today average nearly 300 feet, projects supported by this funding will engineer design concepts for fabricating and installing turbine and tower systems with a minimum hub height of nearly 400 feet. The department believes that deployment of wind turbines with a hub height

up to 460 feet will unlock an additional 1,800 gigawatts in wind power resource potential across an area roughly the size of Texas.

WIND ENERGY'S IMPACT ON WILDLIFE In response to the Department of Interior's Powering Our Future initiative, the U.S. Geological Survey (USGS) has [begun investigating](#) how to assess the impacts of wind energy development on wildlife at a national scale. The first step in understanding the impact of wind energy development is to determine where the wind turbines are located. Prior to this study, there was no publicly available national-level data set of wind turbines. While existing maps showed turbine locations in a few states, they did not show individual turbines, or provide information about those turbines (e.g., height, blade length, or energy producing capacity). To remedy the lack of information, USGS created a publicly available [national dataset](#) and [interactive mapping application](#) of wind turbines. The next step is to use the mapping tool to create a methodology to assess wind energy impacts. Once developed, the methodology will be peer-reviewed and tested, then published for others to understand and use.

ACTIVE POWER CONTROLS ON WIND TURBINES IMPROVE GRID RELIABILITY DOE's National Renewable Energy Laboratory (NREL) completed a comprehensive study to understand how wind power technology can assist the power grid by controlling the active power output being placed onto the electric grid. Power system resources have traditionally been adjusted around wind to support a reliable and efficient system. The research that led to this report challenges that concept. The study, *Active Power Controls from Wind Power: Bridging the Gaps*, finds that wind power can support the power system by adjusting its power output to enhance system reliability. Additionally, the study finds that it often could be economically beneficial to provide active power control, and potentially damaging loads on turbines from providing this control is negligible. Active power control helps balance load with generation at various times, avoiding erroneous power flows, involuntary load shedding, machine damage, and the risk of potential blackouts.

ENERGY MAP The U.S. [Energy Information Administration](#) (EIA) [mapping tool](#) allows users to view the location of individual oil and gas wells across the country. By checking "oil and gas wells" in the mapping system's "Layers/Legend" drop-down menu, users can see the location of drill sites in the Marcellus, Bakken, Eagle Ford and other domestic energy plays. When combined with the map's satellite view, the well plots guide users to bird's-eye views of oil and gas operations. Many of the sites appear as clearings amid forests or farmland. The map is also searchable by address, allowing users to find wells near their homes or near certain ecological features. Other viewable features on the EIA map include solar power plants, biomass facilities, petroleum refineries and coal mines.

OTHER

EPEAT CLARIFICATION: ELECTRONIC DEVICES The Council on Environmental Quality released a [memorandum](#) that provides answers to frequently asked questions concerning the types of electronic devices covered by the electronic product environmental assessment tool (EPEAT).

THREATENED AND ENDANGERED SPECIES

MIGRATORY BIRD TREATY ACT, PESTICIDE MOU EPA announced the availability of the draft Memorandum of Understanding (MOU) between the EPA, Office of Pesticide Programs (OPP) and the U.S. Fish and Wildlife Service (FWS) regarding implementation of EO 13186, *Responsibilities of Federal Agencies to Protect Migratory Birds* for public comment ([79 FR 6900](#)). The purpose of this MOU is to promote the conservation of migratory bird populations through enhanced collaboration between EPA's OPP and FWS regarding actions carried out by OPP. Comments are due 7 MAR 14.

NORTH AMERICAN WOLVERINE FWS reopened the public comment period on the [proposed rule](#) to list the distinct population segment (DPS) of [North American wolverine](#) (*Gulo gulo luscus*) living in the contiguous United States as threatened ([79 FR 6874](#)). Comments are due 6 MAY 14. The Service's final determination is scheduled to be published on or before 4 AUG 14. For more information, contact Jodi Bush at (406) 449-5225.

PROPOSED DELISTING: GRAY WOLF FWS reopened the public comment period for its [13 JUN 13](#) proposal to remove the [gray wolf](#) (*Canis lupus*) from the list of endangered and threatened wildlife but to maintain endangered status for the [Mexican wolf](#) (*Canis lupus baileyi*) by listing it as a subspecies ([79 FR 7627](#)). The gray wolf is known or believed to occur in California, Colorado, Nebraska, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, and Washington. Comments are due 27 MAR 14. For more information, contact FWS at (703) 358-2171.

RECOVERY PLAN: THREE PLANTS AND TWO ANIMALS IN CALIFORNIA FWS released the Final Recovery Plan for Tidal Marsh Ecosystems of Northern and Central California ([79 FR 10830](#)). The plan includes recovery objectives for three endangered plants and two endangered animals found in California. The plants are [Suisun thistle](#), [soft bird's-beak](#), and [California sea-blite](#). The animals are the [California clapper rail](#) and [salt marsh harvest mouse](#). These species inhabit tidal marsh ecosystems in central California. For more information, contact Jennifer Norris at (916) 414-6700 or visit FWS [Recovery Plan website](#).

CRITICAL HABITAT: WEBBER'S IVESIA FWS reopened the public comment period on its [2 AUG 13](#) proposal to designate critical habitat for Webber's Ivesia (*Ivesia webberi*) in Plumas, Lassen and Sierra counties, California, and in Washoe and Douglas counties, Washington ([79 FR 8668](#)). Additionally, the service is proposing to increase designated critical habitat by 159 acres. Comments are due 17 MAR 14. For more information, contact Edward D. Koch at (775) 861-6300.

PROPOSED DELISTING: EUREKA EVENING-PRIMROSE AND EUREKA DUNE GRASS FWS is proposing to delist [Eureka Evening-Primrose](#) (also known as Eureka Valley evening-primrose and Eureka Dunes evening-primrose) and [Eureka Dune Grass](#) (also known as Eureka Valley dune grass) ([79 FR 11053](#)). The species are endemic to three dune systems in the Eureka Valley, Inyo County, California. Comments are due 28 APR 14. For more information, contact Stephen Henry at (805) 644-1766.

PROPOSED DELISTING: HAWAIIAN HAWK FWS reopened the public comment period on its [6 AUG 08](#) proposed rule to delist the [Hawaiian Hawk](#) (*Buteo solitarius*) ([79 FR 8413](#)). Comments are due 14 APR 14. For more information, contact Loyal Mehrhoff at (808) 792-9400.

PROPOSED DELISTING: MODOC SUCKER FWS is proposing to delist the Modoc sucker (*Catostomus microps*) from the federal list of endangered and threatened wildlife ([79 FR 8656](#)). If finalized as proposed, this action would also remove currently designated critical habitat for the species throughout its range. The Modoc sucker is found in Oregon and California. Comments are due 14 APR 14. For more information, contact Laurie Sada at (541) 885-8481.

FIVE-YEAR STATUS REVIEWS: SPECIES IN OREGON, PALAU, GUAM, NORTHERN MARIANAS FWS initiated five-year status reviews for five species in Oregon, Palau, Guam, and the Northern Marianas Islands ([79 FR 9263](#)). The species are the [Micronesian Megapode](#) (Palau, Northern Marianas Islands), the [Foskett speckled dace](#) (Oregon), the [Nesogenes rotensis](#) (Northern Marianas Islands), the [Osmaxylon mariannense](#) (Northern Marianas Islands), and the [Hayun lagu](#) (Guam, Northern Marianas Islands). Comments are due 21 APR 14. For contact information, refer to the Federal Register citation.

TOXICS

COAST GUARD DRAFT POLICY LETTERS: LNG USED AS FUEL, LNG MARINE FUEL BUNKERING The US Coast Guard [announced](#) the availability of two draft policy letters for which it seeks public comment. The [first draft policy](#) letter provides voluntary guidance for liquefied natural gas (LNG) fuel transfer operations on vessels using natural gas as fuel in U.S. waters and the training of personnel on those vessels. The letter applies to vessels equipped to receive LNG for use as fuel, but not to vessels carrying LNG as cargo that use boil-off gas as fuel. The [second draft policy](#) letter discusses voluntary guidance and existing regulations applicable to vessels and waterfront facilities conducting LNG marine fuel transfer (bunkering) operations. Comments were due 10 MAR 14. For more information, contact [Ken Smith](#) at (202) 372-1413.

WITHDRAWN: CARGO TANK MOTOR VEHICLE LOADING AND UNLOADING OPERATIONS The Pipeline and Hazardous Materials Safety Administration (PHMSA) withdrew its [11 MAR 11](#) proposed rulemaking for additional regulations associated with cargo tank motor vehicle (CTMV) loading or unloading operations ([79 FR 10461](#)). As an alternative to new regulatory requirements, PHMSA will be issuing a guidance document to provide best practices for CTMV loading and unloading operations. The agency will also conduct research to better understand the wide range of human factors that contribute to hazardous materials incidents including those associated with CTMV loading and unloading operations. The rule has been withdrawn, effective 25 FEB 14. For more information, contact Dirk Der Kinderen at (202) 366-8553.

RADIATION PROTECTION STANDARDS FOR NUCLEAR POWER OPERATIONS EPA issued an Advance Notice of Proposed Rulemaking (ANPR) on potential approaches for updating its *Environmental Radiation Protection Standards for Nuclear Power Operations* codified in Title 40 Code of Federal Regulation (CFR) Part 190 ([79 FR 6509](#)). The ANPR notes several issues for consideration, including that national and international guidance on radiation protection have had three significant revisions since 40 CFR Part 190 was issued. Additionally, ground water contamination has been identified at a number of nuclear power plants and nuclear fuel cycle facilities. The existing standard contains release limits that address air as the primary exposure pathway. EPA is considering whether, and if so, how to develop a groundwater provision. Comments are due 4 JUN 14. For more information, contact [Brian Littleton](#) at (202) 343-9216 or visit the [agency's rulemaking website](#).

WASTE

HAZARDOUS WASTE MANAGEMENT IN THE RETAIL SECTOR EPA [released](#) a notice of data availability for hazardous waste management in the retail sector ([79 FR 8926](#)). The agency is responding to issues the retail industry identified in implementing hazardous waste regulations. The notice provides stakeholders the opportunity to help EPA better understand their operations and to identify options for possible further action. The agency seeks comment on existing data regarding retail hazardous waste and suggestions for improving hazardous waste regulations for retail operations. It also seeks information regarding:

- Episodic generation;
- Retail stores' programs for handling hazardous waste;
- Hazardous waste training for employees;
- Aerosol cans;
- Transportation and reverse logistics;
- Reverse logistics centers;
- Sustainability efforts undertaken by retail facilities.

Comments are due 15 APR 14. For more information, contact [Richard Huggins](#) at (703) 308-0017.

E-MANIFEST EPA issued a final rule establishing new requirements for use of electronic manifests (e-Manifests) to track off-site shipments of hazardous waste from a generator's site to the site of the receipt and disposition of the hazardous waste ([79 FR 7517](#)). This final rule also implements certain provisions of the Hazardous Waste Electronic Manifest Establishment Act, Public Law 112-195, which directs EPA to establish a national e-Manifest system, and to impose reasonable user service fees. Upon completion of the e-Manifest system, the electronic manifest documents authorized by this final regulation will be available to manifest users as an alternative to the paper manifest forms. Users who elect to opt out of the electronic submittal to the e-Manifest system may continue to use paper manifests. Finally, this regulation specifies that final e-Manifest requirements will be implemented in all states on the same effective date for the national e-Manifest system. This final rule is effective as a final agency action on 6 AUG 14. However, the implementation and compliance date for these regulations will be delayed until such time as the e-Manifest system is shown to be ready for operation and the schedule of fees for manifest related services has been announced.

BENEFICIAL USE: COAL ASH EPA [released](#) its evaluation of the two largest beneficial uses of encapsulated coal combustion residuals (CCR or coal ash): use in concrete as a substitute for portland cement, and the use of flue gas desulfurization gypsum as a substitute for mined gypsum in wallboard. EPA's evaluation concluded that the beneficial use of encapsulated CCRs in concrete and wallboard is appropriate because they are comparable to virgin materials or below the agency's health and environmental benchmarks. These two uses account for nearly half of the total amount of coal ash that is beneficially used. Currently, state environmental agencies are primarily responsible for regulating beneficial use. Beneficial use of coal combustion residuals is currently excluded from federal regulation under EPA's [May 2000 regulatory determination](#).

GAO REPORT: MARAD SHIP DISPOSAL The Government Accountability Office (GAO) issued a report addressing [U.S. Maritime Administration's](#) (MARAD's) ship disposal program ([GAO-14-223](#)). The report recommends improvements to MARAD's contracting process. Additionally, GAO noted that MARAD's strategic plan has not been kept updated. For more information, contact [Marie A. Mak](#) at (202) 512-4841.

WATER

TOTAL COLIFORM RULE: MINOR CORRECTIONS AND REVISIONS EPA issued a direct final rule making minor typographical corrections and text revisions to the Total Coliform Rule ([79 FR 10665](#)). This action corrects typographical errors related to recordkeeping and state primacy requirements. This action also includes edits to final rule language that are intended to improve the understanding of the rule and avoid confusion. The final rule is effective 18 APR 14 unless EPA receives adverse comment by 28 MAR 14. For more information, contact [Sean Conley](#) at (202) 564-1781.

UNIFORM NATIONAL DISCHARGE STANDARDS FOR ARMED FORCES VESSELS EPA and DoD are proposing performance standards for certain discharges incidental to the normal operation of a vessel of the Armed Forces into the navigable waters of the United States, the territorial seas, and the contiguous zone ([79 FR 6117](#)). The proposed standards are designed to be consistent with the effluent limitations included in the recently issued National Pollutant Discharge Elimination System (NPDES) general permit for discharges incidental to the normal operation of a non-military vessel. The proposed rule would amend 40 CFR Part 1700 to establish performance standards for 11 of the [discharges incidental to the normal operation of a vessel of the Armed Forces](#) for which it is reasonable and practicable to require a marine pollution control device (MPCD). The 11 discharges addressed by the proposal are the following: Aqueous film-forming foam (AFFF); chain locker effluent; distillation and reverse osmosis brine; elevator pit effluent; gas turbine water wash; non-oily machinery wastewater; photographic laboratory drains; seawater cooling overboard discharge; seawater piping biofouling prevention; small boat engine wet exhaust; and welldeck discharges. Comments are due 4 APR 14. For more information, contact [Katherine Weiler](#) (EPA) at (202) 566-1280 or [Mike Pletke](#) (Navy) at (703) 695-5184.

FARM BILL PRESERVES EPA POLICIES FOR LOGGING ROADS The [2014 Farm Bill](#) (Agricultural Act of 2014), Section 12313 preserves EPA's current policies for limiting stormwater discharges from forest roads under the Clean Water Act (CWA). EPA's policy, spelled out in its [December 2012](#) rule, clarified that a NPDES permit is not required for stormwater discharges from logging roads. The final Farm Bill builds on the December 2012 rule by specifying that EPA may not require a permit for stormwater runoff from forest roads, "nor directly or indirectly require any State to require a permit" for such discharges. However, the bill does contain language that logging roads can still be treated as "point sources" of pollution for other purposes, including CWA section 404 permits for dredge-and-fill activity, as well as permitting for non-stormwater discharges.

EPA GUIDELINES FOR PERMITTING UNDERGROUND INJECTION OF FRACKING WASTE EPA released an [interpretive memorandum](#) and [technical recommendations](#) for implementing the underground injection control (UIC) program Class II requirements under the Safe Drinking Water Act for oil and gas hydraulic fracturing activities using diesel fuels ([79 FR 8451](#)). The documents are intended to alleviate uncertainty regarding the applicability of UIC Class II permitting requirements and the agency's interpretation of the term "diesel fuels." The agency is encouraging states to

implement guidance for permitting hydraulic fracturing operations that use diesel fuels, urging them to permit operations that use the fuels or face challenges to their delegated authority to permit a host of underground injection activities in the oil and gas sector. For more information, contact [Ronald Bergman](#) at (202) 564-3823 or visit the EPA [website for hydraulic fracturing](#).

GAO STUDY: MONITORING UNREGULATED CONTAMINANTS IN DRINKING WATER GAO was asked to examine the EPA's unregulated contaminants monitoring rule (UCMR) program and issue findings ([GAO-14-103](#)). The UCMR program collects data on unregulated contaminants in the nation's drinking water. EPA uses these data and other information to make decisions on whether to regulate additional drinking water contaminants. It is currently in its third data collection cycle, UCMR3. GAO recommends that Congress should consider amending the Safe Drinking Water Act to allow EPA to monitor for more than 30 contaminants under certain circumstances, and to adjust statutory time frames so UCMR data can inform regulatory determinations in the same cycle. GAO, among other things, recommends that EPA vary the monitoring frequency based on contaminant type. For more information, contact [J. Alfredo Gómez](#) at (202) 512-3841.

Professional Development

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.

USACE PROSPECT TRAINING USACE announces course availability for the FY14 PROSPECT (i.e., Proponent-Sponsored Engineer Corps Training) program. Please see the [Course Catalog \(a.k.a. Purple Book\)](#) and [List of Classes and schedule](#) for details. Courses are open to all federal, state, county and city employees and contractors. There are different registration processes for each entity.

NAVY AND ISEERB ENVIRONMENTAL TRAINING FY14 The Navy and the Interservice Environmental Education Review Board (ISEERB) Environmental Training schedule for FY14 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 FY14 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.

QUALIFIED RECYCLING PROGRAM RESIDENT COURSE TO BE REPLACED WITH DISTANCE LEARNING DoD's Qualified Recycling Program (QRP) 40-Hour Resident Course (WENV 160), which has been taught and managed by the Air Force Institute of Technology (AFIT), is being reformatted as a distance learning course. This action is being taken to accommodate budget restrictions on training and travel. The reformatted, web-based course will continue to offer the same opportunities for student involvement (e.g., group activities, assignments, discussions, etc.) as the resident course. Although reformatting the Qualified Recycling Course for distance learning is not yet complete, AFIT anticipates the web-based course will be offered several times in FY14. This action is part of a broader effort to increase distance-learning options. For more information, visit the [AFIT course website](#), or contact Mr. Tom Glardon at (937) 255-5654 ext 3538 (DSN 785-4645).

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.

Online Training

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](#) – 27 MAR 14 - This webcast will teach 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](#) – 18 FEB 14 – This webcast demonstrates the core functionality of EPA’s new 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](#) – 19 FEB 14 – 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 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.

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.

WATER’S IMPACT ON THE ENERGY SECTOR This 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.

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.

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.

EPA SUSTAINABLE MATERIALS MANAGEMENT ACADEMY Learn about key issues, successful projects, and a variety of best management practices for creating waste management programs. 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 via the Internet 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.

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.

AMPHIBIAN AND REPTILE WEB-BASED LECTURE SERIES DoD's [Partners in Amphibian and Reptile Conservation \(PARC\)](#) hosts a monthly lecture series conducted by DoD biologists and professional herpetologists. The lecture series is conducted using Defense Connect Online. The goal of the lecture series is to help members stay connected and keep up with scientific studies and news. Copies of previous lectures are available on the [PARC group and photo site](#).

AREA SOURCE BOILER RULE VIDEO SERIES A new [EPA video series](#) explaining the Area Source Boiler Rule recently became available. The series 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. Upcoming compliance dates for the Area Source Boiler Rule include:

- 21 MAR 14—deadline for completing the initial tune-up for existing boilers, and
- 19 JUL 14—deadline for submitting the notification of compliance status (NOCS) for tune-ups.

***20 MAR 14. BIOFUELS: RELEASE PREVENTION, ENVIRONMENTAL BEHAVIOR, AND REMEDIATION.** This free [webinar](#) focuses on the differences between biofuels and conventional fuels specific to release scenarios, environmental impacts, characterization, and remediation. Participants will learn the differences in biofuel and petroleum behavior; become familiar with the biofuel supply chain, potential release scenarios and release prevention; be able to develop an appropriate conceptual model for the investigation and remediation of biofuels; and select appropriate investigation and remediation strategies.

***21 MAY 14. PLACING UESC TASK ORDERS WITH THE GSA.** This free [webinar](#) provides a step-by-step approach to placing a utility energy service contract (UESC) task order under a U.S. General Services Administration (GSA) Areawide Contract. The training focuses on developing skills related to the acquisition plan, preliminary audit and findings, feasibility study and project proposal, contract for construction, construction and installation, performance assurance and acceptance, post-construction and commissioning.

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
ADWM	Arizona Department of Weights and Measures
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
CAIR	Clean Air Interstate Rule
CAMR	Clean Air Mercury Rule
CalEPA	California Environmental Protection Agency
CARB	California Air Resources Board
CaRFG3	phase 3 California reformulated gasoline
CBAR	California Bureau of Automotive Repair
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
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
CH₄	methane
CNOR	candidate notice of review
CO₂	carbon dioxide
CO₂e	carbon dioxide equivalent
COAL	California Office of Administrative Law
COE	Army Corps of Engineers
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
CX	categorical exclusion
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
EIO	Energy Initiatives Office
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
N₂O	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
NF₃	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
NO₂	nitrogen dioxide
NOx	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
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
PM_{2.5}	particulate matter 2.5 microns in diameter or less
PM₁₀	particulate matter 10 microns in diameter or less
POPs	persistent organic pollutants
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PWS	public water system
RCRA	Resource Conservation and Recovery Act
RICE	Reciprocating Internal Combustion Engine
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
SNAP	significant new alternatives policy
SNUR	significant new use rule
SO₂	sulfur dioxide
SOx	sulfur oxides
SPCC	spill prevention, control, and countermeasures
TiO₂	titanium dioxide
TMDL	total maximum daily load
tpy	tons per year
TRI	Toxics Release Inventory
TSCA	Toxic Substance Control Act
UFC	Unified Facilities Criteria
ug/m³	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
WGA	Western Governors' Association
WRAP	Western Regional Air Partnership