



U.S. ARMY

Western Review of Legislative & Regulatory Actions Region 8



The U.S. Army Regional Environmental & Energy Office

September 2014

The **WESTERN REGION 8 REVIEW** provides current information on natural resource, energy, and environmental issues relevant to Department of Defense interests in the six states that comprise Federal Region 8. 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 8 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.

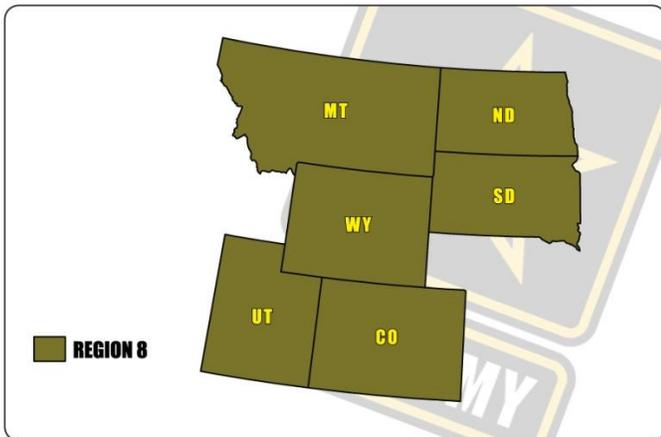


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Net Zero Energy Installations Poised to Reach Sustainability Goals

All nine of the [pilot installations](#) participating in the [Army's Net Zero Energy](#) initiative have made substantial progress in identifying, developing, and executing energy efficiency and renewable energy projects in the first years of the program, according to the fiscal 2013 [Army Net Zero Energy Roadmap and Program Summary](#).

The summary concludes that each of the nine pilot installations has great potential for energy efficiency. The 55-page document includes data on each site's energy baseline and efficiency, energy audit, completed and planned renewable energy projects, and Net Zero Energy roadmap.

One key conclusion cited in the summary is that a Net Zero Energy strategy is just the first step. "Successfully achieving Net Zero requires a sustained effort from a strong and motivated team to continue to develop, refine, and execute the strategy," it states.

The summary lists a number of other lessons learned:

- Standard construction designs and installation master planning need to change to reach Net Zero goals;
- Many installations are good candidates for emerging technologies, but the initiative is focusing on commercially available technologies;
- Low utility rates and inadequate renewable energy resources present challenges at some locations;
- A high penetration level of renewable energy on an installation requires coordination, special contracts, or negotiations with the utility to ensure the ability to interconnect systems that exceed existing export limits;
- Storage and microgrids are increasingly necessary to achieve Net Zero goals; and
- Installations must account for tradeoffs between water, energy, and waste reductions.

If all nine pilot sites achieve Net Zero Energy, they will replace about 8% of the Army's installation energy use with renewable energy, eliminating about 6 trillion British thermal units (BTU) of fossil fuel, the summary states. If all Army installations achieved a 25% reduction in energy consumption - as most Net Zero Energy installations are expected to - the service would save about 20 trillion BTUs and about \$300 million annually.

Source: [Association of Defense Communities](#)

Region 8

For more information on any state issues in Region 8, contact [Julia Miller](#), Region 8 Program Coordinator (303) 844-0952.



CLEANUP

MANAGEMENT OF REGULATED ASBESTOS CONTAMINATED SOIL The Colorado Solid and Hazardous Waste Commission [scheduled a public hearing](#) to consider approval of proposed revisions to state rules governing asbestos-contaminated soils. The Colorado Department of Public Health and Environment (CDPHE) is proposing to delete existing Section 5.5 (Management of Asbestos Contaminated Soil) and replace it with [new Section 5.5](#) (Management of Regulated Asbestos Contaminated Soil (RACS)). The rulemaking also adds Appendix 5A (Sample Collection Protocols and Analytical Methodologies) and makes additions and revisions to Section 1.2 (Definitions). The purpose of the revision to Section 5.5 and the associated definitions is to improve the management of asbestos contaminated soils while maintaining protectiveness of human health and the environment. The public hearing is scheduled for 19 NOV 14. For more information, contact [Brandy Valdez Murphy](#) at (303) 692-3467, or view CDPHE's [statement of basis and purpose](#).

TOXICS

INSPECTION OF BULK PESTICIDES AT WATER TREATMENT FACILITIES The Colorado Department of Agriculture (CDA) [is proposing](#) to exempt bulk pesticide storage areas and mixing/loading areas at public water treatment systems and domestic wastewater treatment works from CDA inspection requirements. The department is taking this action because it believes that existing CDPHE inspection protocols adequately address pesticide storage at water treatment facilities. The rulemaking would [amend Title 8, Colorado Code of Regulation \(CCR\) 1206-1](#). A public hearing was held 8 SEP 14. For more information, contact [Jenifer Gurr](#) at (303) 239-4102.

WATER

COLORADO NARRATIVE SEDIMENT STANDARD: COMMISSION POLICY 98-1 The Colorado Water Quality Control Commission [announced a public hearing](#) to consider approval of revisions to the Guidance for Implementation of Colorado's Narrative Sediment Standard in Regulation 31, Section 31.11(1)(a)(i), Commission Policy 98-1. Policy 98-1 (Implementing Guidance for Determining Sediment Deposition Impacts to Aquatic Life in Streams and Rivers) provides an interpretation of the commission's "narrative standards" as they apply to sediments that may form deposits detrimental to the attainment of aquatic life uses. Regulation 31 is the basis for establishing the guidance contained in Policy 98-1. The [hearing](#) is scheduled for 10 NOV 14. For more information, contact [CDPHE](#).

WATER QUALITY STANDARDS: ARKANSAS RIVER BASIN, REGULATION 32 CDPHE [is proposing](#) amendments to Classifications and Numeric Standards for Arkansas River Basin, Regulation 32 (5 CCR 1002-32). The rulemaking involves new temporary modifications of water quality standards and temporary modifications expiring on or before 31 DEC 16, and new site-specific standards that allow for the deletion of current temporary modifications. A [public hearing](#) is scheduled for 8 DEC 14. For more information, contact [Sarah Johnson](#) at (303) 692-3609.

WATER QUALITY STANDARDS: GUNNISON AND LOWER DOLORES RIVER BASINS, REGULATION 35 CDPHE is proposing amendments to Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation 35 (5 CCR 1002-35). The rulemaking involves new temporary modifications of water quality standards and temporary modifications expiring on or before 31 DEC 16, and new site-specific standards that allow for the deletion of current temporary modifications. A [public hearing](#) is scheduled for 8 DEC 14. For more information, contact [Sarah Johnson](#) at (303) 692-3609.

LEGISLATIVE DEVELOPMENTS

The [Colorado 2014 legislative session](#) began 8 JAN 14 and adjourned 7 MAY 14. For information about legislation in 2014, refer to the [June 2014 edition](#) of the Review.



CLEANUP

CECRA: INCORPORATION BY REFERENCE The Montana Department of Environmental Quality (MDEQ) [updated](#) the screening levels incorporated by reference in the Montana Comprehensive Environmental Cleanup and Responsibility Act (CECRA). The rulemaking [incorporated](#) the Environmental Protection Agency's (EPA's) November 2013 regional screening levels into Administrative Rules of Montana ([ARM](#)) [17.55.109](#). The state uses CECRA to investigate and clean up hazardous substances at sites not addressed by the federal Superfund program. Under CECRA, sites are ranked based on potential risks to human health and the environment. The final updates were effective 5 SEP 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

NATURAL RESOURCES

EXOTIC SPECIES CLASSIFICATION AND PROHIBITED SPECIES The Montana Fish and Wildlife Commission [amended](#) its lists of controlled and prohibited species. The commission added two species (old world quail and wallaroo) to its list of controlled species and added five species (red-eared sliders, argali sheep, transcaspien ural sheep, California quail, and Gambel's quail) to its list of prohibited species. The final rule was effective 22 AUG 14. For more information, contact the [Montana Department of Fish, Wildlife, and Parks Enforcement Division](#).

CORRECTION: GRAY WOLF MANAGEMENT The Montana Fish, Wildlife and Parks Commission issued a correction to its [April 2014 amendments](#) to ARM 12.9.1301, 12.9.1302, 12.9.1303, 12.9.1304, and 12.9.1305 regarding gray wolf management. On 4 SEP 14 the commission [issued a correction](#) to the adopted rules. The correction addresses allowable lethal control of wolves. For more information, contact the [Montana Fish, Wildlife and Parks Division](#).

WASTE

INCORPORATION BY REFERENCE AND CORRECTION: HAZARDOUS WASTE RULES MDEQ [adopted amendments](#) that incorporate by reference the most recent version of the Code of Federal Regulation (CFR). In addition, the department corrected an inadvertent omission relating to delisting petitions. The final rule specified that [40 CFR 260.20 through 260.23](#) rules are not incorporated by reference. The correction clarifies that a federal petition is required for delisting. The department believes the correction does not change the meaning or intent of state hazardous waste rules. The final rule was effective 8 AUG 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

WATER

WATER QUALITY STANDARDS: NUMERIC CRITERIA MDEQ adopted [amendments](#) to its surface water quality standards. The amendments incorporate by reference the July 2014 edition of [Department Circular DEQ-12A](#), which contains base

numeric nutrient standards for total nitrogen and total phosphorous, and incorporate the circular into surface water quality classifications and nondegradation rules. The rulemaking replaces narrative standards with numeric criteria statewide. The [final rule](#) was effective 8 AUG 14. For more information, contact [Elois Johnson](#) at (406) 444-2630 or visit the MDEQ's [water quality standards website](#).

WATER QUALITY STANDARDS: VARIANCES MDEQ adopted rules for requesting variances from surface water quality standards. The department adopted new Rule 1 (Nutrient Standard Variances) and the July 2014 edition of [Department Circular DEQ-12B](#), which contains information about variances from base numeric nutrient standards. The final rule was effective 8 AUG 14. For more information, contact [Elois Johnson](#) at (406) 444-2630 or visit the MDEQ's [water quality standards website](#).

PUBLIC WATER AND SEWAGE SYSTEMS MDEQ adopted amendments that incorporate by reference new and updated department circulars. The amendments adopt the 2014 editions of Department Circular 1 (Standards for Water Works) and Department Circular 3 (Standards for Small Water Systems). The amendments also adopt new, July 2014 editions of Department Circular 10 (Standards for the Development of Springs for Public Water Systems) and Department Circular 16 (Standards for Hauled Water Cisterns for Noncommunity Water Systems). The final amendments to ARM [17.36.345](#) and [17.38.101](#) were effective 8 AUG 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

SUBDIVISION ONSITE SUBSURFACE WASTEWATER TREATMENT SYSTEMS AND PUBLIC WATER SYSTEMS MDEQ [adopted](#) amendments to its rules for sewage systems. The amendments address sewage system design and construction, new and replacement subsurface sewage disposal systems, siting and setback of subsurface disposal systems, site evaluations, floodplains, definitions, and plans for public water supply or public sewage systems. The [final rules](#) were effective 8 AUG 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

SPILL PLANNING AND RESPONSE MDEQ [is proposing](#) amendments pertaining to closure of petroleum release sites. The rulemaking affects certain releases where the "petroleum mixing zone" extends beyond 500 feet from its source, or extends to within 500 feet of drinking water wells or surface water. The amendments to ARM [17.56.607](#) would allow the department to close certain release sites that could be resolved using a petroleum mixing zone, except that they do not meet the 500-foot criteria. A public hearing was held 27 AUG 14. Comments were due 4 SEP 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

TMDL: BLACK FOOT RIVER MDEQ [is requesting public comment](#) on two water quality documents for the Upper Blackfoot River and its tributaries. The draft documents describe metals, temperature, and sediment water quality problems and provide total maximum daily loads (TMDLs) to address water quality. The draft documents are titled [Middle Blackfoot – Nevada TMDL and Water Quality Improvement Plan Addendum](#), and [Blackfoot Headwaters Planning Area Water Quality and Habitat Restoration Plan and TMDL Addendum for Sediment – Sandbar Creek](#). The waterbodies subject to these documents are located in Powell County and Missoula County and include the Blackfoot River, Murray Creek, Douglas Creek, Kleinschmidt Creek, Sandbar Creek, and Nevada Lake. Comments are due 19 SEP 14. For more information, contact [Peter Brumm](#) at (406) 457-5029.

LEGISLATIVE DEVELOPMENTS

Montana does not hold a regular legislative session in 2014.



LEGISLATIVE DEVELOPMENTS

North Dakota does not hold a regular legislative session in 2014.



South Dakota

LEGISLATIVE DEVELOPMENTS

The [South Dakota 2014 legislative session](#) began 14 JAN 14 and adjourned 31 MAR 14. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



Utah

AIR

AIR QUALITY RULES: INCORPORATION BY REFERENCE The Utah Department of Environmental Quality (UDEQ) [updated](#) the publication date of the CFR incorporated by reference in state air quality rules to 1 JUL 13. This action amends rule R307-101-3. The final rule was [effective](#) 7 AUG 14. For more information, contact [Mark Berger](#) at (801) 536-4000.

NESHAPS: INCORPORATION BY REFERENCE UDEQ [updated](#) the publication date of the CFR incorporated by reference in state rules for hazardous pollutants to 1 JUL 13. This action amends rule R307-214, which incorporates 40 CFR Parts 61 and 63. The final rule was [effective](#) 7 AUG 14. For more information, contact [Mark Berger](#) at (801) 536-4000.

WASTE

EXCLUSIONS: SOLVENT-CONTAMINATED WIPES UDEQ [adopted final amendments](#) that streamline management of solvent-contaminated wipes. The amendments to rule R315-2 (General Requirements – Identification and Listing of Hazardous Waste), Section 4 (Exclusions) would allow a generator of hazardous waste solvent-contaminated rags (and wipes) to dispose of the rags (and wipes) in certain lined nonhazardous solid waste landfills. The revisions specify the conditions under which the disposal of such rags (and wipes) can take place and allow for and set conditions under which they can be sent to a laundry for cleaning. The final rule was [effective](#) 15 AUG 14. For more information, contact [Ralph Bohn](#) at (801) 536-0212.

DEFINITIONS: SOLVENT-CONTAMINATED WIPE AND NO FREE LIQUIDS UDEQ [adopted final amendments](#) that add definitions for the terms “solvent-contaminated wipe” and “no free liquids” to rule R315-1-1 (Utah Hazardous Waste Definitions and References). The amendments align R315-1-1 with concurrent amendments to R315-2-4. The final rule was [effective](#) 15 AUG 14. For more information, contact [Ralph Bohn](#) at (801) 536-0212.

WATER

DRINKING WATER STORAGE TANKS UDEQ released [revisions](#) to [proposed amendments](#) to its rules for drinking water storage tanks operated by public water systems. The initial amendments modify, clarify, add, and eliminate certain work practice requirements; make corrections to terminology used throughout the document, and make housekeeping corrections. The revisions make clarifications for ground-level and buried tanks and align and revise terminology. Comments are due 15 SEP 14. For more information, contact [Ying-Ying Macauley](#) at (801) 536-4188.

DRINKING WATER TRANSMISSION AND DISTRIBUTION PIPELINES UDEQ released [revisions](#) to [proposed amendments](#) to its rules for public water distribution pipelines and distribution systems. The initial amendments address backflow, use of lead-free materials, pipe size, pipe construction and design, fire protection (fire hydrant design and operation), water pressure, pipeline pressure, and more. The revisions revise references, add a notification requirement, eliminate a portion of the cross connection section and reference the cross connection rule to avoid inconsistencies. Comments are due 15 SEP 14. For more information, contact [Ying-Ying Macauley](#) at (801) 536-4188.

TMDL: ROCKPORT AND ECHO RESERVOIRS UDEQ [adopted amendments](#) to rule R317-1-7 that incorporate by reference the completed TMDL studies for Rockport Reservoir and Echo Reservoir for dissolved oxygen. The final rule was [effective](#) 1 AUG 14. For more information, contact [Judy Etherington](#) at (801) 536-4344.

COLORADO RIVER BASIN SALINITY CONTROL UDEQ [is inviting public comment](#) on the Colorado River Basin Salinity Control Forum's recently approved draft of the [2014 Review, Water Quality Standards for Salinity, Colorado River System](#). The forum and each of the basin states are providing an opportunity for public comments on this review. Utah is one of seven Colorado River Basin states that adopted water quality standards for salinity and a plan of implementation for the entire Colorado River Basin above Imperial Dam. Every three years the states are required to review and revise (if necessary) surface water quality standards. This year, the triennial review found that salinity concentrations in the Colorado River are below numeric criteria, numeric criteria are appropriate and no change is recommended, and with the updated plan of implementation, the probability of exceeding the numeric criteria is extremely low during the review period (2014-2017). The triennial review also found the salinity load will be reduced by another 67,000 tons per year by 2017. Comments are due 15 SEP 14. For more information, contact [Jeff Studenka](#) (801) 536-4395 or visit the Colorado River Basin [Salinity Control Forum](#).

LEGISLATIVE DEVELOPMENTS

The [Utah 2014 legislative session](#) began 27 JAN 14 and adjourned 13 MAR 14. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



AIR

ANNUAL AIR QUALITY RULE UPDATES The Wyoming Department of Environmental Quality (WDEQ) [is proposing](#) a suite of updates to Wyoming Air Quality Standards and Regulations (WAQSR). Updates to [Chapter 3](#) (General Emission Standards), [Chapter 5](#) (National Emission Standards), [Chapter 6](#) (Permitting Requirements) and [Chapter 11](#) (National Acid Rain Program) adopt federal standards. Other revisions to Chapter 6 and [Chapter 7](#) (Monitoring Regulations) update a citation to a Federal Register article. In addition, WDEQ is proposing to update Prevention of Significant Deterioration (PSD) rules to list a new minor source baseline date for fine particulates in Chapter 6. The department is also proposing updates to the Wyoming State Implementation Plan (SIP) that will be submitted to EPA for final approval. Comments are due 24 SEP 14. The Wyoming Environmental Quality Council will consider the proposed updates at a public hearing scheduled for 8 OCT 14. For more information, contact Steven Dietrich at (307) 777-7391 or visit the [docket website](#).

WATER

COLORADO RIVER BASIN SALINITY CONTROL WDEQ [is requesting public comment](#) on the Colorado River Basin Salinity Control Forum's recently approved draft of the [2014 Review, Water Quality Standards for Salinity, Colorado River System](#). The forum and each of the basin states are providing an opportunity for public comments on this review. Wyoming is one of seven Colorado River Basin states that adopted water quality standards for salinity and a plan of implementation for the entire Colorado River Basin above Imperial Dam. Every three years the states are required to review and revise (if necessary) surface water quality standards. This year, the triennial review found that salinity concentrations in the Colorado River are below numeric criteria, numeric criteria are appropriate and no change is recommended, and with the updated plan of implementation, the probability of exceeding the numeric criteria is extremely low during the review period (2014-2017). The triennial review also found the salinity load will be reduced by another 67,000 tons per year by 2017. Comments are due 15 SEP 14. For more information, contact [Lindsay Patterson](#) at (307) 777-7079 or visit the Colorado River Basin [Salinity Control Forum](#).

LEGISLATIVE DEVELOPMENTS

The [Wyoming 2014 legislative session](#) began 10 FEB 14 and adjourned 6 MAR 14. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.

Department of Defense Activity

DoD AWARDS

2015 SECRETARY OF DEFENSE ENVIRONMENTAL AWARDS GUIDANCE RELEASED [Nominations](#) for the Secretary of Defense Environmental Awards to be recognized in 2015 are due by 2 MAR 15, using the [guidance](#) issued by the Office of the Deputy Under Secretary of Defense (Installations & Environment) on 26 AUG 14. Each Military Service and Defense Agency may submit one nomination for each of the six Installation and three Individual/Team award categories listed in the guidance for accomplishments during the period 1 OCT 12 through 30 SEP 14.

ENERGY

NAVY PREDICTS BIOFUEL COSTS The Navy anticipates it will be able to purchase biofuels at a cost comparable to conventional petroleum fuels. According to a [news article](#), [Dennis McGinn](#), Assistant Secretary of the Navy for Energy, Installations, and Environment, said the Navy predicts that biofuel will be available for approximately \$3.50 per gallon, on par with what the Navy pays for conventional fuel. The Navy is seeking to purchase 37 million gallons of biofuel to be blended with F-76 marine diesel and JP-5 jet fuel.

DoD PARTICIPATION IN DEMAND-RESPONSE PROGRAMS The Government Accountability Office (GAO) released a report reviewing General Service Administration (GSA) and DoD participation in electrical demand-response programs ([GAO-14-594](#)). GAO recommended that DoD:

- Consistently track information on demand-response participation and financial benefits received from participation;
- Assess installation levels of demand-response participation and develop a strategy to expand economically beneficial participation;
- Task the Defense Logistics Agency (DLA) to formally analyze the share of financial benefits that installations receive from demand-response agreements that DLA facilitates and routinely provide this information to installations, where possible;
- Establish formal guidance to encourage economically beneficial demand-response participation and provide information to support participation in demand-response programs;
- Establish an Energy Savings Financial Incentives Fund for installations to directly accept payments for participation and establish guidance; and
- Request that Congress provide DoD with authority similar to that provided to GSA, allowing participating installations to use direct payments that they receive from providers without further appropriation.

NATURAL RESOURCES

MDA NEPA PROCEDURES The Missile Defense Agency (MDA) [issued procedures](#) for implementing National Environmental Policy Act (NEPA) requirements ([79 FR 46410](#)). MDA is responsible for developing, testing, and fielding an integrated, layered, ballistic missile defense system. As a DoD agency, MDA does not own real property. Because

most MDA actions typically occur on host military installations, ranges, or other federal agency property, MDA has historically relied upon host installation or federal agency NEPA implementation, including host implementing procedures and categorical exclusions (CATEXs) to address environmental impacts of MDA actions. As a result of the guidance document *Establishing, Applying, and Revising Categorical Exclusions under the National Environmental Policy Act* (2010) issued by the Council on Environmental Quality (CEQ) and [informal consultation](#) with the CEQ, MDA determined it needed to establish NEPA implementing procedures and CATEXs specific to MDA projects and actions. The final guidance document was effective 8 AUG 14. For more information, contact [Eric Sorrells](#) at (256) 450-2677 or visit [MDA's website](#).

SUSTAINABILITY

FORT BLISS NET ZERO The Department of the Army and Fort Bliss are proceeding with the preferred alternative identified in the [final environmental impact statement](#) (EIS) for implementation of energy, water, and solid waste sustainability initiatives ([79 FR 47441](#)). The sustainability initiatives allow Fort Bliss to implement the Army's [Net Zero](#) program. The record of decision (ROD) explains the potential environmental and socioeconomic impacts associated with the proposed action, which consists of multiple, related, and interconnected projects with the goal of conserving energy and water, and reducing waste production. The selected alternative provides the proper balance of initiatives for the protection of environmental and mission-essential actions. The ROD also identifies mitigation that will reduce or eliminate adverse impacts. For more information, contact [Donita Kelley](#) at (915) 568-4505.

WASTE

PATENT GRANTED: SPRAY PAINT NOZZLE CLEANER The Navy was granted a [patent](#) for an invention to clean a paint spray nozzle in an environmentally friendly manner ([79 FR 47261](#)). The invention is for a device and method to clean paint spray noles that have usual male type inlets by propelling pressurized liquid solvent through the noles instead of the usual practice of cleaning or attempting to clean the nozzle by using gaseous aerosol from the container of the paint product. For more information, contact Brenda Squires at (850) 234-4646.

Federal Activity

AIR

URBAN AIR TOXICS DOWN ACROSS THE U.S. EPA [announced](#) progress in reducing urban air toxics. The agency released the *Second Integrated Urban Air Toxics Report to Congress* under the Clean Air Act (CAA). The report found that mercury emissions from coal-fired power plants and other sources have been reduced approximately 60% since 1990. Among the findings in the report:

- A 66% reduction in benzene;
- An 84% decrease of lead in outdoor air;
- The removal of an estimated 1.5 million tons per year of air toxics (e.g., arsenic, benzene, lead and nickel) from stationary sources and another 1.5 million tons per year (about 50%) of air toxics from mobile sources; and
- Approximately 3 million tons per year of criteria pollutants, such as particulate matter and sulfur dioxide, have been reduced from cars and trucks as co-benefits of air toxics reductions.

For more information, visit EPA's [Urban Air Toxics website](#).

NESHAP/NSPS FOR INTERNAL ENGINES EPA affirmed it will not make any changes to its [30 JAN 13](#) final National Emission Standards for Hazardous Air Pollutants (NESHAP) for stationary reciprocating internal combustion engines and its New Source Performance Standards (NSPS) for stationary internal combustion engines ([79 FR 48072](#)). After the final rule adoption, EPA received three petitions for reconsideration and subsequently requested public comment on the petitions. EPA has determined that it will not propose any changes to the regulations, and is providing notice of this decision. The notice was effective 15 AUG 14. For more information, contact [Melanie King](#) at (919) 541-2469.

LISTING STATUS FOR CERTAIN OZONE DEPLETING SUBSTANCES EPA is proposing to change the status certain substitutes previously found acceptable under the Significant New Alternatives Policy (SNAP) program ([79 FR 46125](#)). EPA is proposing to downgrade to unacceptable existing listings of certain hydrofluorocarbons (HFCs)/HFC blends in aerosol, foam blowing, and air conditioning and refrigerant end-uses. The downgrade would apply to HFC/HFC blends where other alternatives are available or potentially available that pose overall lower risk. The agency would also downgrade to unacceptable the status of certain HFCs being phased out of production. Comments are due 6 OCT 14. For more information, contact [Rebecca von dem Hagen](#) at (202) 343-9445.

WYOMING SIP EPA is proposing to issue a direct final rule approving revisions to the Wyoming SIP ([79 FR 50883](#)). The revisions address state ambient air quality standards for lead and particulate matter. Comments are due 25 SEP 14. For more information, contact [Steven Pratt](#) at (303) 312-6575.

CLIMATE CHANGE

2014 NATIONAL CLIMATE ASSESSMENT The U.S. Global Change Research Program released the 2014 National Climate Assessment. The report provides an in-depth look at climate change impacts on the U.S. It details the multitude of ways climate change is already affecting and will increasingly affect the lives of Americans. For more information, to download a copy of the assessment, or view assessment highlights, visit the [National Climate Assessment website](#).

CLIMATE READY ESTUARIES WEBSITE EPA's [Climate Ready Estuaries](#), a program that works with the National Estuary Programs and coastal management community on assessing climate change vulnerabilities and developing adaptation strategies, has redesigned its website. Resources are now easier to find and web pages are searchable. New features include interactive maps of Climate Ready Estuary projects, information about king tides, and more.

ENERGY

FEMP TECHNICAL ASSISTANCE PORTAL The Department of Energy's (DOE's) Federal Energy Management Program (FEMP) [launched](#) a new [Technical Assistance Portal](#). The portal will allow federal agencies to submit and track requests for assistance in meeting their renewable energy and energy efficiency related goals. During the first phase, portal assistance is geared toward renewable energy projects. Other project types will be included in later phases. Agencies can use the portal to submit requests for assistance with the planning and implementation phases of projects and track the status of their requests throughout the process. The portal enables FEMP to better monitor technical assistance requests from federal agencies, while providing information on training and opportunities for financial assistance. An informational [webinar](#) held 28 AUG described what the technical portal is, what it does, who uses it, and how to use it. For more information, contact [Patrick Shipp](#).

ENFORCEMENT

ENFORCEMENT AND COMPLIANCE AT FEDERAL FACILITIES EPA's Office of Enforcement and Compliance Assurance updated its "Yellow Book: Guide to Environmental Enforcement and Compliance at Federal Facilities" publication, which was first published in 1999. The new web-based version of the guide revises and updates information and resources needed by field-level personnel to comply with federal environmental requirements and provides an understanding of the enforcement and compliance processes used by EPA at federal facilities. The new site provides a definition of federal facility and links to major environmental statutes and executive orders. Additionally, the website

provides information about cross-cutting issues (i.e., [military munitions](#) and [abandoned mines on federal land](#)). The update is available on EPA's [Enforcement website](#).

HAZARDOUS MATERIALS

LITHIUM BATTERY TRANSPORT The Pipeline and Hazardous Materials Safety Administration (PHMSA) modified requirements governing the transportation of lithium cells and batteries ([79 FR 46011](#)). The final rule revises hazard communication and packaging provisions for lithium batteries and harmonizes the Hazardous Materials Regulations (HMR) with international standards. It adopts separate shipping descriptions for lithium-metal batteries and lithium-ion batteries, revises shipping standards for small and medium lithium batteries contained within equipment, revises transport requirements for lithium batteries destined for disposal or recycle, and adopts new standards for shipment of damaged lithium batteries. The final rule was effective 6 AUG 14. For more information, contact Charles Betts at (202) 366-8553.

HAZMAT TRANSPORT: REVERSE SHIPMENTS PHMSA is proposing to revise rules for return shipments of certain hazardous materials (HAZMAT) by motor vehicle ([79 FR 46748](#)). The proposed amendments to the HMR would define "reverse logistics" for HAZMAT returned to or between a vendor, distributor, or manufacturer for credit, replacement, or similar reason. The rule would also provide an exception for materials transported in a manner that meets the definition of reverse logistics. The proposed exception rule (new section 173.157) clearly identifies HAZMAT authorized, packaging, hazard communication, and training requirements applicable to reverse logistics shipments. In addition to providing a new reverse logistics exception, the rulemaking also proposes to expand an existing exception for reverse logistics shipments of used automobile batteries that are being shipped from a retail facility to a recycling center. Comments are due 10 OCT 14. For more information, contact Steven Andrews at (202) 366-8553.

HAZMAT TRANSPORT: ALIGNMENT WITH INTERNATIONAL STANDARDS PHMSA is proposing to amend the HMR to maintain alignment with international standards ([79 FR 50741](#)). The amendments would make changes to proper shipping names, hazard classes, packing groups, special provisions, packaging authorizations, air transport quantity limitations, and vessel stowage requirements. Comments are due 24 OCT 14. For more information, contact Steven Webb at (202) 366-8553.

NATURAL RESOURCES

NEPA PROGRAMMATIC REVIEW GUIDANCE CEQ published [draft guidance](#) on when and how federal agencies can effectively use NEPA programmatic reviews ([79 FR 50578](#)). This guidance is designed to assist with understanding the environmental impacts from proposed large-scope federal actions and activities and facilitate agency compliance with NEPA by clarifying when an agency may prepare a programmatic, broad-scale review. The guidance also addresses how agencies can prepare such reviews to ensure they are timely, informative, and useful for advancing decision-making. The goal of this guidance is to encourage a more consistent approach to programmatic NEPA reviews so that analyses and documentation will allow for efficient completion of any necessary tiered (i.e., site specific) reviews. Comments are due 9 OCT 14. For more information, contact Horst Greczmiel at (202) 395-5750 or visit [CEQ's website](#).

THREATENED AND ENDANGERED SPECIES

WITHDRAWN: NORTH AMERICAN WOLVERINE The Fish and Wildlife Service (FWS) withdrew its [4 FEB 13](#) proposed rule to list the distinct population segment (DPS) of [North American wolverine](#) (*Gulo gulo luscus*) occurring within the contiguous U.S. as a threatened species ([79 FR 47521](#)). As a result, FWS also withdrew the proposed special rule (contained within the [initial proposed listing](#)) and withdrew its [concurrent](#) proposal to establish a nonessential experimental population (NEP) of the North American wolverine in Colorado, Wyoming, and New Mexico. The proposed rules are withdrawn as of 13 AUG 14. For more information, contact Jodi Bush at (406) 449-5225.

YELLOW-BILLED CUCKOO FWS is proposing to designate critical habitat for the western DPS of [yellow-billed cuckoo](#) (*Coccyzus americanus*) ([79 FR 48547](#)). In total, approximately 546,335 acres are being proposed for designation as

critical habitat in Arizona, California, Colorado, Idaho, Nevada, New Mexico, Texas, Utah, and Wyoming. Comments are due 14 OCT 14. For more information, contact Jen Norris at (916) 414-6600.

GREATER SAGE-GROUSE FWS is initiating a formal status review of the greater sage-grouse. It is [requesting information](#) from state and federal agencies and tribes, along with industry and local conservation partners about the ground-dwelling bird's population and efforts to protect its sagebrush habitat. In 2010, FWS determined that the greater sage-grouse was a candidate for protection but that listing was precluded by higher priority actions. The service agreed to make an initial determination on whether to propose the species for listing by 30 SEP 15. To ensure FWS can consider the cumulative effect of conservation work across the bird's 165-million acre range, it is requesting information be provided by 31 DEC 14. For more information, visit the FWS [greater sage-grouse website](#).

WITHDRAWN: GRAHAM'S BEARDTONGUE AND WHITE RIVER BEARDTONGUE FWS withdrew its proposed rule to list [Graham's beardtongue](#) (*Penstemon grahamii*) and [White River beardtongue](#) (*Penstemon scariosus* var. *albifluvis*) as threatened and to designate critical habitat (79 FR 46041). The withdrawal is based on the service's conclusion that the threats to the species as identified in the proposed rule are no longer as significant as previously determined. The [beardtongue species](#) are found in Utah and Colorado. The proposed rules published on 6 AUG 13 (78 FR 47590 and 78 FR 47832) are withdrawn as of 6 AUG 14. For more information, contact Larry Crist at (801) 975-3330.

UPPER MISSOURI RIVER ARCTIC GREYLING FWS announced that listing of the Upper Missouri River DPS of [Arctic grayling](#) (*Thymallus arcticus*) is not warranted (79 FR 49383). FWS found that habitat-related threats, including habitat fragmentation, dewatering, thermal stress, entrainment, riparian habitat loss, and effects from climate change for the Upper Missouri River DPS of Arctic grayling have been sufficiently ameliorated and that 19 of 20 populations of Arctic grayling are either stable or increasing. This final announcement removes the Upper Missouri River DPS of the Arctic grayling from the FWS candidate list. The finding was made 20 AUG 14. For more information, contact Jodi Bush at (406) 449-5225.

LEAST CHUB FWS removed the [least chub](#) (*Iotichthys phlegethontis*) from its list of candidate species (79 FR 51041). This action is the result of a revised 12-month finding on a petition to list the species and designate critical habitat. The service found that listing is not warranted at this time. The least chub is an endemic minnow of the Bonneville Basin in Utah. For more information, contact Larry Crist at (801) 975-3330.

TOXICS

LEAD EXPOSURE DUE TO RENOVATION, REPAIR AND PAINTING IN PUBLIC AND COMMERCIAL BUILDINGS EPA is currently in the process of determining whether or not lead-based paint hazards are created by renovation, repair, and painting (RRP) activities in public and commercial buildings (P&CBs) (79 FR 45796). The agency developed several documents that describe a proposed methodology for estimating exposures and incremental health effects created by renovations of P&CBs, and is making the documents available for public review. After the public comment period, EPA will prepare the documents for external peer review. Comments are due 22 SEP 14. For more information, contact [Stan Barone](#) at (202) 564-1169, or visit the [rulemaking docket](#) (EPA-HQ-OPPT-2010-0173).

WATER

NPDES COOLING WATER INTAKE EPA adopted a final rule to reduce impingement and entrainment of fish and other aquatic organisms at cooling water intake structures used by certain existing power generation and manufacturing facilities for the withdrawal of cooling water (79 FR 48299). The rule establishes requirements for existing power generating, manufacturing, and industrial facilities that are designed to withdraw more than 2 million gallons per day (mgd) from waters of the U.S. and use at least 25% of the water exclusively for cooling purposes. The requirements, which will be implemented through National Pollutant Discharge Elimination System (NPDES) permits, apply to the location, design, construction, and capacity of cooling water intake structures at regulated facilities. For each permit, EPA will establish site specific "best technology available" standards for entrainment. The final rule is effective 14 OCT

14. Compliance will be “as soon as practicable.” For more information, contact [Tom Born](#) at (202) 566-1001 or visit the EPA [cooling water intake website](#).

NPDES PERMIT APPLICATIONS: TEST METHODS EPA is finalizing minor NPDES program amendments that specify that applicants must use “sufficiently sensitive” analytical test methods when completing an NPDES permit application ([79 FR 49001](#)). The amendments also clarify that EPA may require that only “sufficiently sensitive” methods be used for analyses of pollutants or pollutant parameters under the NPDES permit. The final rule is effective 18 SEP 14. For more information, contact [Kathryn Kelley](#) at (202) 564-7004.

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 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.

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](#) – 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](#) – 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](#) – 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 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.

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, from the series of line 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.

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 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.

FOG PREVENTION TRAINING FOR RURAL COMMUNITIES IN THE PACIFIC NORTHWEST. The Pacific Northwest Pollution Prevention Resource Center (PPRC) is providing one day workshops for rural communities in Idaho, Oregon, and Washington to reduce the harmful impacts of fats, oils, and grease (FOG) in sewers. For information about remaining workshop locations, dates, and times, contact the [Pacific Northwest Pollution Prevention Resource Center](#).

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.

* indicates the first time a professional development opportunity appears in the Review.

How the Regional Offices Work for You

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

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

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

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

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Acronyms

ACHP	Advisory Council on Historic Preservation
ACUB	Army Compatible Use Buffer
AFFF	aqueous film forming foam
ARM	Administrative Rules of Montana
ATSDR	Agency for Toxic Substances and Disease Registry
BACT	best available control technology
BART	best available retro-fit technology
BLM	Bureau of Land Management
BTU	British thermal unit
CAA	Clean Air Act
CAFE	corporate average fuel economy
CAIR	Clean Air Interstate Rule
CAMR	Clean Air Mercury Rule
CATEX	categorical exclusion
CCR	Code of Colorado Regulations
CDNR	Colorado Department of Natural Resources
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulation
CH ₄	methane
CNOR	candidate notice of review
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
CrVI	hexavalent chromium
CSB	Chemical Safety Board
CWA	Clean Water Act
CWQCC	Colorado Water Quality Control Commission
DA	Department of Agriculture
DO	dissolved oxygen
DoD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
DOT	Department of Transportation
ECA	emission control area
DPS	distinct population segment
ECF	emission comparable fuel
EIS	environmental impact statement
EO	Executive Order
EPA	Environmental Protection Agency
EQC	Environmental Quality Council
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
GHG	greenhouse gas
GSA	General Service Administration
HCFC	hydrochlorofluorocarbon

HFC	hydrofluorocarbon
HFE	hydrofluorinated ethers
HMR	Hazardous Materials Regulation
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
MBER	Montana Board of Environmental Review
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MDEQ	Montana Department of Environmental Quality
MDNRC	Montana Department of Natural Resources and Conservation
MERIT	Materials of Evolving Regulatory Interest Team
MGA	Midwestern Governors Association
MOU	memorandum of understanding
MMS	Minerals Management Service
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
NDDOH	North Dakota Department of Health
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NF ₃	nitrogen trifluoride
NHTSA	National Highway Transportation Safety Administration
NIST	National Institute of Standards and Technology
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NO ₂	nitrogen dioxide
NOx	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRC	National Research Council
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
PM _{2.5}	particulate matter 2.5 microns in diameter or less
PM ₁₀	particulate matter 10 microns in diameter or less
POP	persistent organic pollutant
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PWS	public water system
RCRA	Resource Conservation and Recovery Act
RGGI	Regional Greenhouse Gas Initiative

RICE	Reciprocating Internal Combustion Engine
RoC	Report on Carcinogens
RoHS	European Union's Restriction of Hazardous Substances
RRP	Renovation, Repair, and Painting
SDDENR	South Dakota Department of Environment and Natural Resources
SERDP	Strategic Environmental Research and Development Program
SI	spark-ignition
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
UDEQ	Utah Department of Environmental Quality
UDNR	Utah Department of Natural Resources
UFC	Unified Facilities Criteria
ug/m ³	micrograms per cubic meter
UPDES	Utah Pollutant Discharge Elimination System
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
WDEQ	Wyoming Department of Environmental Quality
WGA	Western Governors' Association
WOSL	Wyoming Office of State Lands
WRAP	Western Regional Air Partnership