



U.S. ARMY

# Western Review of Legislative & Regulatory Actions Region 9



The U.S. Army Regional Environmental & Energy Office

September 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](mailto: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 9

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



## *AIR*

**SIP REVISIONS: PINAL COUNTY** The Pinal County Air Quality Control District [adopted amendments](#) that address the Environmental Protection Agency's (EPA's) limited disapproval ([77 FR 66398](#)) of Pinal County air quality rules related to the Infrastructure State Implementation Plan (SIP) for the 1997 8-hour ozone and 1997 and 2006 fine particulate matter (PM<sub>2.5</sub>) National Ambient Air Quality Standards (NAAQS). The final rule was published 15 AUG 14. For more information, contact [Scott DiBiase](#) at (520) 866-6929.

## *WATER*

**COLORADO RIVER BASIN SALINITY CONTROL** The Arizona Department of Environmental Quality (ADEQ) is [seeking public comment](#) on [salinity standards](#) for the Colorado River Basin. Arizona 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. Damages due to the use of the Colorado River water in the Lower Basin (California, Nevada, New Mexico, and Arizona) remain high. Comments are due 15 SEP 14. For more information, contact [Linda Taunt](#) at (602) 771-4416 or visit the [Salinity Forum website](#).

## *LEGISLATIVE DEVELOPMENTS*

The [2014 Arizona legislative session](#) began 13 JAN 14 and adjourned 24 APR 14. For information about legislation in 2014, refer to the [May 2014](#) edition of the Review.



## *AIR*

**COACHELLA VALLEY AND WESTERN MOHAVE DESERT OZONE NONATTAINMENT AREAS** The California Air Resources Board (CARB) [announced](#) a public meeting to consider minor updates to the Coachella Valley and Western Mojave Desert federal ozone nonattainment areas SIP for the 1997 8-hour ozone standard. If approved, CARB will submit the plan to

the EPA for approval as a revision to the California SIP. Comments are due 18 SEP 14. For more information, contact Scott King at (916) 322-2832.

**EASTERN KERN: FEE SCHEDULES** The Eastern Kern Air Pollution Control District [is proposing](#) amendments to district rules 301, 302, and 303. The amendments are intended to streamline and adjust fees to reflect staff time and related operating costs. The district last raised its fees in 2009. A [public workshop](#) is scheduled for 16 SEP 14. Comments are due 16 OCT 14. For more information, contact [Jeremiah Cravens](#).

**EASTERN KERN: FUGITIVE DUST** The Eastern Kern Air Pollution Control District [is proposing](#) extensive amendments to district rule 402 (Fugitive Dust). The amendments revise and add definitions; revise, delete, and add exemptions; add requirements for fugitive dust emission control plans; address on-site monitoring of coarse particulate (PM10) emissions; and specify prohibitions. A public workshop is scheduled for 16 SEP 14. Comments are due 16 OCT 14. For more information, contact [Jeremiah Cravens](#) or visit the district's [rule development website](#).

**FEATHER RIVER: ARCHITECTURAL COATINGS** The [Feather River Air Quality Management District](#) adopted amendments to [district rule 3.15](#) (Architectural Coatings). The [purpose](#) of the amendments is to limit the quantity of volatile organic compounds (VOCs) in architectural coatings supplied, sold, offered for sale, applied, solicited for application, or manufactured for use within the district. The final rule was effective 4 AUG 14. For more information, contact Galen Ribellia at (530) 634-7659 ext. 308.

**FEATHER RIVER: NEW SOURCE REVIEW** The Feather River Air Quality Management District [is proposing](#) amendments to district rule 10.1 (New Source Review). The [amendments](#) are intended to correct deficiencies in the rule that were identified by EPA. A public hearing is scheduled for 6 OCT 14. For more information, contact the district at (530) 634-7659.

**FEATHER RIVER: STATIONARY INTERNAL COMBUSTION ENGINES** The Feather River Air Quality Management District [is proposing](#) amendments to district rule 3.22 (Stationary Internal Combustion Engines). The amendments are intended to address deficiencies identified by EPA during the SIP review process. In addition, the district is proposing to allow EPA Method 18 as a potential method for source testing VOC emissions from internal combustion engines. A public hearing is scheduled for 6 OCT 14. For more information, contact the district at (530) 634-7659.

**MAMMOTH LAKES PM10 MAINTENANCE PLAN AND REDESIGNATION** CARB [announced](#) a public meeting to consider approval of the [Town of Mammoth Lakes PM10 Maintenance Plan and Redesignation Request](#) developed and approved by the Great Basin Unified Air Pollution Control District. If approved, CARB will submit the plan to EPA for approval as a revision to the California SIP. Comments are due 15 SEP 14. A public hearing is scheduled for 18 SEP 14. For more information, contact Webster Tasat (916) 323-4950 or visit the [California SIP website](#).

**SAN JOAQUIN VALLEY: PM2.5** The San Joaquin Valley Air Pollution Control District announced a [public hearing](#) to consider the adoption of a [supplemental document](#) to the 2012 PM2.5 Plan for the 2006 PM2.5 Standard and New Source Review rule. The rule will affect sources in the counties of Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare. After approval, the supplemental document will be submitted to the EPA for incorporation as part of the California SIP. The hearing is scheduled for 18 SEP 14. Comments are due the same day. For more information, visit the district's [Particulate Matter Plans website](#).

**SOUTH COAST: NOX FROM OFF-ROAD DIESEL VEHICLES** The South Coast Air Quality Management District [adopted amendments](#) to district rule 2449 (Control of Oxides of Nitrogen Emissions from Off-Road Diesel Vehicles). The objective of rule 2449 is to achieve additional reductions of oxides of nitrogen (NOx) emissions from in-use off-road diesel-fueled vehicles by implementing the Surplus Off-Road Opt-In for NOx (SOON) provision of the CARB Regulation for In-Use Off-Road Diesel-Fueled Fleets. The amendments revise the reference to the SOON provisions provided in the In-Use Off-Road Diesel Vehicle regulation. The final rule was effective 11 JUL 14. For more information, contact [Randall Pasek](#) at (909) 396-2251.

**SOUTH COAST: NON-ASSEMBLY LINE COATING OPERATIONS** The South Coast Air Quality Management District is [proposing](#) amendments to district rule 1151 (Mobile Vehicle And Mobile Equipment Non-Assembly Line Coating Operations). The [amendments](#) would make administrative changes by removing obsolete language and making minor revisions and editorial corrections. The revisions would also add new definitions and align the transfer equivalency section with the state suggested control measure.

## ***CLIMATE CHANGE***

**GHG EMISSIONS CAP** CARB is [proposing](#) amendments to the California Cap on Greenhouse Gas Emissions and Market-Based Compliance Mechanisms (Cap-and-Trade) regulation to allow for additional transition assistance for covered entities, cover carbon dioxide (CO<sub>2</sub>) imports, add three updated offset protocols, and modify provisions regarding implementation and oversight of the regulation. Comments are due 15 SEP 14. A public hearing is scheduled for 18 SEP 14. For more information, contact Rajinder Sahota at (916) 323-8503 or visit the [rulemaking website](#).

**COST OF IMPLEMENTATION FEE** CARB is [proposing](#) amendments to the Cost of Implementation Fee regulation developed pursuant to the Global Warming Solutions Act of 2006. The amendments would more closely align the Fee Regulation with the Mandatory Reporting Regulation and cap-and-trade provisions, clarify fee regulation provisions, and ensure fee payer equity. Comments are due 15 SEP 14. A public hearing is scheduled for 18 SEP 14. For more information, contact David Mallory at (916) 445-8316 or visit the [rulemaking website](#).

**MANDATORY REPORTING OF GHG EMISSIONS** CARB is proposing amendments to California's existing regulation for the Mandatory Reporting of Greenhouse Gas Emissions [developed](#) pursuant to the Global Warming Solutions Act of 2006. The amendments would support allocation of allowances and the calculation of compliance obligations under the Cap-and-Trade regulation, ensure that reported GHG emissions data are accurate and complete (including the statewide GHG emission inventory), and integrate and provide data needed for the Cost of Implementation Fee regulation. Comments are due 15 SEP 14. A public hearing is scheduled for 18 SEP 14. For more information, contact Brieanne Aguila at (916) 324-0919 or visit the [rulemaking website](#).

## ***THREATENED AND ENDANGERED SPECIES***

**NORTHEASTERN PACIFIC WHITE SHARK** The California Fish and Game Commission made a [finding](#) that a [petition](#) to add the [Northeastern Pacific white shark](#) (*Carcharodon carcharias*) to the list of threatened or endangered species under the California Endangered Species Act (CESA) is not warranted. The California Department of Fish and Wildlife issued a [report](#) to the commission in 2013 evaluating the petition.

## ***NATURAL RESOURCES***

**MARINE PROTECTED AREAS** The California Fish and Game Commission [adopted amendments](#) relating to marine protected areas. The [Marine Life Protection Act](#) established a programmatic framework for designating marine protected areas (MPAs) in the form of a statewide network. The [Marine Managed Areas Improvement Act](#) standardized the designation of marine managed areas, which include MPAs. The overriding goal of these acts is to ensure the conservation, sustainable use, and restoration of California's marine resources. Unlike previous laws, which focused on individual species, the acts focus on maintaining the health of marine ecosystems and biodiversity in order to sustain resources. The final amendments to Title 14, California Code of Regulation (CCR) Section 632 clarify take regulations and correct errors and inconsistencies. For more information, contact Craig Shuman at (805) 568-1246.

**INVASIVE SPECIES** The California Department of Food and Agriculture adopted a new rule that establishes a process for determining pest ratings and mitigating actions. The department is authorized to adopt regulations to prevent the introduction and spread of injurious insect or animal pests, plant diseases, and noxious weeds. Implementation of this new regulation will ensure a uniform and efficient process for determining pest rating, a uniform pest rating criteria, and the ability to regularly update the pest-rating list on the department's [website](#). The final rule is effective 1 JAN 15. For more information, contact [Stephen Brown](#) at (916) 654-1017.

## ***TOXICS***

**CALENVIROSCREEN VERSION 2.0 DRAFT AND WEBINAR** The California Office of Environmental Health Hazard Assessment (COEHHA) [released](#) an updated version of California's environmental health screening tool, CalEnviroScreen. The tool will be used to inform the investment of state cap-and-trade funds specifically targeted for disadvantaged communities. Reflecting extensive public input, CalEnviroScreen 2.0 provides more detail than previous versions of the statewide screening tool. Among the changes, the tool now creates scores for each of the state's 8,000 census tracts and adds new indicators for drinking water contaminants and unemployment rates. The tool will be used to help implement [Senate Bill \(SB\) 535 \(2012\)](#), which requires that 25% of the proceeds from the state's cap-and-trade auctions be invested in projects that benefit disadvantaged communities, including 10% for projects located within these areas. The state is required to identify those communities. [Public workshops](#) were held in late August and early September 2014. For more information, visit the [CalEnviroScreen 2.0 website](#).

**PESTICIDES: GROUNDWATER PROTECTION LIST** The California Department of Pesticide Regulation [adopted amendments](#) that update the list of pesticides that have the potential to pollute ground water in California. The amendments also remove from the list those pesticides deemed unlikely to pollute ground water. The rulemaking amends [3 CCR Section 6800\(b\)](#) (Pesticide Contamination Prevention). The [final rule](#) is effective 1 OCT 14. For more information, contact Linda Irokawa-Otani at (916) 445-3991.

## ***WATER***

**DROUGHT EMERGENCY WATER CONSERVATION** The California Water Resources Control Board [adopted](#) an emergency regulation pertaining to drought emergency water conservation. The emergency regulation addresses severe impacts on California's water supplies and the state's ability to meet all water demands due to the current drought (declared a [state of emergency](#) by Governor Brown in two executive orders issued in 2014). The [second executive order](#), issued 25 APR 14, directed the water board to adopt emergency regulations to ensure that urban water suppliers implement drought response plans to limit outdoor irrigation and other wasteful water practices. The emergency regulation was effective 28 JUL 14. It expires 24 APR 15. For more information, contact Carlos Mejia at (916) 341-5184.

**LOS ANGELES: ONSITE WASTEWATER TREATMENT SYSTEMS** The California Water Resources Control Board [is proposing](#) to approve amendments to the Water Quality Control Plan for the Los Angeles Region that incorporate the Statewide Policy for Siting, Design, Operation and Maintenance of Onsite Wastewater Treatment Systems (OWTS Policy). The amendments were adopted by the Los Angeles Water Board in May 2014. Comments are due 15 SEP 14. For more information, contact [Ginachi Amah](#) at (213) 576-6685.

**SPILL RESPONSE: FINANCIAL RESPONSIBILITY** The Office of Spill Prevention and Response (OSPR) within the California Department of Fish and Game [is proposing](#) to amend Certificate of Financial Responsibility requirements. The rulemaking would amend 14 CCR Subdivision 4, Sections 790 and 791.6 through 795. Comments are due 30 SEP 14. For more information, contact Joy Lavin-Jones at (916) 327-0910 or visit the [rulemaking website](#).

**SPILL RESPONSE: RATING SYSTEM** OSPR [is proposing](#) to amend the Oil Spill Response Organization (OSRO) rating system. The proposed amendments make clarifications to the current OSRO rating system and require OSROs rated to provide shoreline protection services to also participate in the OSPR's Sensitive Site Strategy Evaluation Program. Comments are due 29 SEP 14. For more information, contact Joy Lavin-Jones at (916) 327-0910 or visit the [rulemaking website](#).

## ***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. A \*\* indicates the topic of the bill has changed significantly.

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1<sup>st</sup> House</i>	<i>Passed 2<sup>nd</sup> House</i>	<i>Status</i>
<b>AIR / CLIMATE CHANGE</b>				
<b>AB 278</b> <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.	✓	✓	✓	In concurrence
<b>AB 1639</b> <i>Assemblywoman Shannon Grove (R)</i> Proposes to specify how monies collected for the Greenhouse Gas Reduction Fund may be spent. Specifies that monies should be expended to achieve the maximum technologically feasible and cost-effective reduction in greenhouse gas emissions.	✓			Failed
<b>AB 1970</b> <i>Assemblyman Richard S. Gordon (D)</i> Proposes to create the Community Investment and Innovation Program, supported by the Greenhouse Gas Reduction Fund.	✓			
<b>AB 2050</b> <i>Assemblyman Bill Quirk (D)</i> Proposes to amend requirements for the scoping plan developed per the Global Warming Solutions Act of 2006. Requires specific elements be included in the scoping plan. Creates an advisory committee to develop cost effective greenhouse gas reduction strategies.	✓	✓		
<b>AB 2083</b> <i>Assemblywoman Beth Gaines (R)</i> Proposes to make changes to rules relating to state mandated greenhouse gas emission reductions. If the state allows use of market-based compliance mechanisms, this bill would allow a regulated entity to use offsets to meet its compliance obligation regardless of the geographic location of the offset.	✓			
<b>AB 2348</b> <i>Assemblyman Mark Stone (D)</i> Proposes to establish the Natural Resources Climate Improvement Program to assist in the development and implementation of integrated natural resources projects that maximize greenhouse gas emissions reductions or sequestration. Authorizes expenditures from the Greenhouse Gas Reduction Fund.	✓			
<b>SB 605</b> <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.	✓	✓	✓	
<b>SB 1122</b> <i>Senator Fran Pavley (D)</i> Proposes to appropriate monies from the Greenhouse Gas Reduction Fund for programs to support the implementation of sustainable communities strategies, alternative transportation plans, or other regional greenhouse gas emission reduction plans within a developed area.	✓			
<b>SB 1125</b> <i>Senator Fran Pavley (D)</i> Proposes to require the Air Resources Board to develop reduction targets for greenhouse gas emissions for 2030 to inform future legislative action.	✓			
<b>SB 1156</b> <i>Senator Darrell Steinberg (D)</i> Proposes to impose a carbon tax of an unspecified amount per ton of carbon dioxide equivalent emissions on suppliers of fossil fuels.	✓			

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1<sup>st</sup> House</i>	<i>Passed 2<sup>nd</sup> House</i>	<i>Status</i>
<b>ENERGY</b>				
<a href="#">AB 407</a> <i>Assemblyman V. Manuel Perez (D)</i> Proposes to address renewable energy sources in the Salton Sea. Requires the State Energy Resources Conservation and Development Commission to develop renewable energy resources in and around the Salton Sea Known Geothermal Resource Area and the Geysers Geothermal Field.	✓	✓		
<a href="#">AB 1624</a> <i>Assemblyman Richard S. Gordon (D)</i> Proposes to authorize the Public Utilities Commission to collect funds for the self generation program. Requires electrical corporations to administer the program for distributed energy resources.	✓	✓		
<a href="#">AB 1763</a> <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. Requires development of a state energy plan for 2030 and 2050. Specifies plan elements.	✓	✓		
<a href="#">AB 1935</a> <i>Assemblywoman Nora Campos (D)</i> Proposes to require Public Utilities Commission to study and submit a report to the Legislature and the Governor on the impacts of clean distributed energy resources on the state's distribution and transmission grid.	✓	✓		
<a href="#">AB 2229</a> <i>Assemblyman Steven Bradford (D)</i> Proposes to require the Public Utilities Commission and the DoD to identify all achievable cost-effective electricity and natural gas efficiency savings at military bases/facilities. Establishes targets.	✓	✓		
<a href="#">AB 2334</a> <i>Assemblyman Adam Gray (D)</i> Proposes to require the Public Utilities Commission to develop an economic pilot program to encourage new business activity at 3 former military bases. Requires the pilot program to run for 7 years and provide discounted rates to new and existing eligible businesses.	✓			
<a href="#">AB 2363</a> <i>Assemblyman Bill Quirk (D)</i> Proposes to specify methods for calculating costs for renewable energy.	✓	✓	✓	
<a href="#">AB 2390</a> <i>Assemblyman Al Muratsuchi (D)</i> Proposes to establish a Low Carbon and Renewable Fuels Credit Reserve to facilitate the development of renewable and low carbon transportation fuel projects in California.	✓			
<a href="#">AB 2649</a> <i>Assemblyman Kevin Mullin (D)</i> Proposes to define an independent generation facility as a military installation and to address interconnection by an independent generation facility to the utility electric grid.	✓	✓		
<a href="#">SB 1078</a> <i>Senator Hannah-Beth Jackson (D)</i> Proposes to require the Energy Commission and the Public Utilities Commission to jointly address actions needed to achieve post-2020 greenhouse gas emissions limit beyond the 1990 level, if such reductions are adopted.	✓			

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1<sup>st</sup> House</i>	<i>Passed 2<sup>nd</sup> House</i>	<i>Status</i>
<a href="#">SB 1139</a> <i>Senator Ben Hueso (D)</i> Proposes to amend rules for grants and loans to facilitate development of geothermal energy.	✓	✓		
<a href="#">SB 1195</a> <i>Senator Alex Padilla (D)</i> Proposes to repeal requirements related to electrical restructuring. Repeals provisions related to reporting, calculation of energy credits, cost recovery plans, peak load, determination of rates, and recovery of certain employee costs.	✓	✓	✓	Signed by Governor
<b>LAND USE</b>				
<a href="#">AB 1799</a> <i>Assemblyman Richard S. Gordon (D)</i> Proposes to amend financial requirements associated with conservation easements. Eliminates certain financial requirements for credit worthy governmental and nonprofit organizations.	✓			
<a href="#">AB 1961</a> <i>Assemblywoman Susan Eggman (D)</i> Proposes to require each county with significant agricultural land resources to develop a sustainable farmland strategy.	✓			
<a href="#">SB 1289</a> <i>Senator Jean Fuller (R)</i> Proposes to transfer additional state lands near the Johnson Valley Off-Highway Vehicle Recreation Area for off-highway vehicle recreation.	✓			
<b>NATURAL RESOURCES</b>				
<a href="#">AB 1514</a> <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, including those not listed as endangered or threatened. Authorizes a person or local, state, or federal agency to undertake natural community conservation planning.	✓			
<a href="#">AB 2193</a> <i>Assemblyman Richard S. Gordon (D)</i> Proposes to enact the Habitat Restoration and Enhancement Act. Creates a fund to be used for habitat restoration. Establishes fees.	✓	✓	✓	
<a href="#">AB 2409</a> <i>Assemblyman Ken Cooley (D)</i> Proposes to allow the Department of Fish and Wildlife to enter into land use contracts with public agencies to conserve waterfowl habitat.	✓			
<a href="#">AB 2417</a> <i>Assemblyman Adrin Nazarian (D)</i> Proposes to exempt recycled water distribution systems from California Environmental Quality Act requirements.	✓	✓		
<a href="#">AB 2629</a> <i>Assemblyman Richard Bloom (D)</i> Proposes to specify reporting requirements for certain conservation or mitigation banks.	✓			
<a href="#">SB 1184</a> <i>Senator Fran Pavley (D)</i> Proposes to require the San Francisco Bay Conservation and Development Commission to protect San Francisco Bay area residents from potential inundation and flooding from sea level rise by preparing a regional resilience strategy for adapting to rising sea levels.	✓			

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1<sup>st</sup> House</i>	<i>Passed 2<sup>nd</sup> House</i>	<i>Status</i>
<p><a href="#">SB 1194</a>  <i>Senator Ben Hueso (D)</i>  Proposes to state the intent of the Legislature to reduce plastic debris in the marine environment, reduce financial burdens for reducing plastic pollution, and provide resources for local pollution prevention and infrastructure projects.</p>	✓			
<b>OTHER</b>				
<p><a href="#">AB 2341</a>  <i>Assemblywoman Sharon Quirk-Silva (D)</i>  Proposes to add a reporting process requiring local educational agencies to report the enrollment of pupils of military families, with the intent of removing barriers to educational success due to frequent moves.</p>	✓	✓		
<p><a href="#">AB 2545</a>  <i>Assemblywoman Bonnie Lowenthal (D)</i>  Proposes to make changes to laws governing allegations of sexual assault by members of the military. Addresses access to the victims' compensation fund.</p>	✓	✓	✓	
<p><a href="#">AB 2657</a>  <i>Assemblyman Richard Bloom (D)</i>  Proposes to limit the application of specified anticoagulant pesticides in "environmentally sensitive" areas.</p>	✓	✓	✓	
<p><a href="#">SB 1117</a>  <i>Senator Bill Monning (D)</i>  Proposes to revise information that the Department of Pesticide Regulation is required to post on its website. Addresses department responsibilities regarding pesticides that have migrated to groundwater.</p>	✓	✓	✓	
<p><a href="#">SB 1421</a>  <i>Senator Jean Fuller (R)</i>  Proposes to amend funding for construction at public elementary and secondary schools. Provides matching funding to schools that are located on U.S. military bases and eligible for federal construction funding assistance.</p>	✓	✓		
<b>WASTE</b>				
<p><a href="#">AB 467</a>  <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>	✓	✓	✓	Signed by Governor
<p><a href="#">AB 1594</a>  <i>Assemblyman Das Williams (D)</i>  Proposes to amend requirements for city, county, and regional agency integrated waste management plans. 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><a href="#">AB 1826</a>  <i>Assemblyman Wesley Chesbro (D)</i>  Proposes to require local jurisdictions to implement an organic waste recycling program. Authorizes fees for generators of organic wastes.</p>	✓	✓	✓	

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1<sup>st</sup> House</i>	<i>Passed 2<sup>nd</sup> House</i>	<i>Status</i>
<a href="#">AB 1966</a> <i>Assemblyman Jim Patterson (R)</i> Proposes to require the Department of Toxic Substances Control to periodically update its references to the EPA document SW 846 <i>Test Methods for Evaluating Solid Waste, Physical/Chemical Methods</i> in state hazardous waste regulations.	✓			
<a href="#">AB 2251</a> <i>Assemblywoman Mariko Yamada (D)</i> Proposes address beverage container deposit/redemption requirements. Specifies penalties for violations or noncompliance.	✓	✓	✓	
<a href="#">AB 2666</a> <i>Assemblyman Tom Daly (D)</i> Proposes to amend the term "person" as used in the Electronic Waste Recycling Act of 2003, to exclude the United States and its agencies and instrumentalities.	✓			
<a href="#">SB 712</a> <i>Senator Ricardo Lara (D)</i> Proposes to require the California Department of Toxic Substances Control to issue a final decision on an application for a hazardous waste facilities permit submitted by a facility operating under 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.	✓	✓	✓	
<a href="#">SB 812</a> <i>Senator Kevin De Leon (D)</i> Proposes to amend the permit application process for facilities that treat, store, or dispose of hazardous waste. Addresses interim hazardous waste permits.	✓	✓	✓	
<a href="#">SB 1261</a> <i>Senator Hannah-Beth Jackson (D)</i> Proposes to increase fees from hazardous material and hazardous waste activities to fund emergency response costs. Makes changes to hazardous material business plan requirements. Revises information that must be included in business plans. Makes changes to certain exemptions from the business plan requirement for remote unstaffed locations. Shortens the review/re-submittal period for business plans from once every three years to every year. Requires business plans be publicly available.	✓	✓	✓	
<b>WATER</b>				
<a href="#">AB 155</a> <i>Assemblyman Luis Alejo (D)</i> Proposes to construct a tunnel to connect Lake San Antonio and Lake Nacimiento, with the intent to maximize water storage, supply, and groundwater recharge.	✓	✓	✓	
<a href="#">AB 282</a> <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.	✓	✓		
<a href="#">AB 371</a> <i>Assemblyman Rudy Salas (D)</i> Proposes address the application of sewage sludge in Kern County. Authorizes monitoring/testing activities at/near sludge application sites.	✓	✓		
<a href="#">AB 467</a> <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.	✓	✓	✓	Signed by Governor

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1<sup>st</sup> House</i>	<i>Passed 2<sup>nd</sup> House</i>	<i>Status</i>
<a href="#">AB 687</a> <i>Assemblyman Roger Hernandez (D)</i> Proposes to amend regulations related to the Department of Water and direct transactions between electricity suppliers and end users. Adds requirements related to cleanup of contaminated groundwater.	✓	✓		
<a href="#">AB 1445</a> <i>Assemblyman Dan Logue (R)</i> Proposes to create the California Water Infrastructure Act of 2014 to authorize the issuance of bonds to finance a safe drinking water and water supply reliability program.	✓			
<a href="#">AB 1632</a> <i>Assemblywoman Kristin Olsen (R)</i> Proposes to make changes to the water rights beneficial uses program.	✓			
<a href="#">AB 1671</a> <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.	✓			
<a href="#">AB 1707</a> <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. Requires certain documentation regarding proposed rules be posted on the Water Board website.	✓	✓	✓	
* <a href="#">AB 1739</a> <i>Assemblyman Roger Dickinson (D)</i> Proposes to require local governments to regulate groundwater for sustainable management. Establishes timelines and milestones for accomplishing sustainable groundwater management and defines "sustainable groundwater management."	✓	✓	✓	
<a href="#">AB 1807</a> <i>Assemblyman Brian Dahle (R)</i> Proposes to make technical changes to laws governing state and regional water quality control board management of federal and state discharge permit programs.	✓			
<a href="#">AB 1808</a> <i>Assemblyman Brian Dahle (R)</i> Proposes to make technical changes to the California State Drinking Water Act.	✓			
<a href="#">AB 2049</a> <i>Assemblyman Brian Dahle (R)</i> Proposes to change requirements related to water treatment facilities. Limits the use of point-of-entry and point-of-use treatment (in lieu of centralized treatment) to water systems with less than 500 service connections.	✓	✓		
<a href="#">AB 2179</a> <i>Assemblyman Adam Gray (D)</i> Proposes to require the state board to establish standards and goals for achieving water use efficiency, in conjunction with the University of California, Merced.	✓			
<a href="#">AB 2189</a> <i>Assemblyman Adam Gray (D)</i> Proposes to make changes to groundwater replenishment districts and replenishment assessments. Addresses public notice and public hearing requirements.	✓			

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1<sup>st</sup> House</i>	<i>Passed 2<sup>nd</sup> House</i>	<i>Status</i>
<a href="#">AB 2269</a> <i>Assemblyman Frank Bigelow (R)</i> Proposes to make changes to requirements for integrated regional water management plans.	✓			
<a href="#">AB 2403</a> <i>Assemblyman Anthony Rendon (D)</i> Proposes to modify the definition of water to include recycled water and stormwater intended for water service. Makes legislative findings.	✓	✓	✓	Signed by Governor
<a href="#">AB 2432</a> <i>Assemblyman Rudy Salas (D)</i> Proposes to make technical changes to state rules governing drinking water and public water systems.	✓			
<a href="#">AB 2446</a> <i>Assemblywoman Marie Waldron (R)</i> Proposes to prohibit the San Luis Rey Municipal Water District from charging a standby assessment or availability charge in excess of a specified amount. Specifies how proceeds from standby assessments/availability charges may be spent.	✓	✓	✓	
<a href="#">AB 2619</a> <i>Assemblywoman Beth Gaines (R)</i> Proposes to prohibit provisions related to operation and/or maintenance of "fishways" associated with dams during critically dry years.	✓			
<a href="#">AB 2680</a> <i>Assemblyman Adrin Nazarian (D)</i> Proposes to make amendments to legislative findings and declarations in the Porter-Cologne Water Quality Control Act.	✓			
<a href="#">AB 2725</a> <i>Assemblywoman Cheryl Brown (D)</i> Proposes to promote urban waterway restoration. Adds a requirement for the Department of Water Resources to release information about urban waterway restoration with its releases of other California Water Plan data. Specifies urban waterway restoration as a beneficial use.	✓			
<a href="#">AB 2737</a> <i>Committee On Environmental Safety And Toxic Materials</i> Proposes to collect data on drinking water quality in schools and the areas known as Salinas Valley, Tulare Lake Basin, and Coachella Valley. Evaluates nitrite and arsenic levels in drinking water in disadvantaged communities.	✓			
<a href="#">SB 104</a> <i>Committee On Budget And Fiscal Review</i> Proposes to establish fees for violations of water use permits, unauthorized water use/transfer, and water trespass during drought/dry years.	✓	✓	✓	Signed by Governor
<a href="#">SB 985</a> <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.	✓	✓	✓	
<a href="#">SB 1168</a> <i>Senator Fran Pavley (D)</i> Proposes to enact the Sustainable Groundwater Management Act. Authorizes the development of a sustainable groundwater management plan.	✓	✓	✓	
<a href="#">SB 1259</a> <i>Senator Fran Pavley (D)</i> Proposes to amend requirements related to maintenance and operation of flood control facilities in the Central Valley. Addresses dam siltation.	✓	✓		

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1<sup>st</sup> House</i>	<i>Passed 2<sup>nd</sup> House</i>	<i>Status</i>
<b>**SB 1319</b> <i>Senator Fran Pavley (D)</i> The bill previously addressed oil spill contingency response. The bill has been amended to regulate railroads. The bill no longer falls within the scope of the Review. It will not appear again.	✓	✓	✓	
<b>SB 1420</b> <i>Senator Lois Wolk (D)</i> Proposes to add a reporting element to water management plans developed by water suppliers. Requires reporting of water loss.	✓	✓	✓	



## **WATER**

**WATER QUALITY PLAN** The Hawaii Department of Health (HDOH) is inviting public comment on its [Water Quality Plan](#). The plan provides information on HDOH’s ongoing water quality work across its programs and lays out its future direction by setting goals and priority action items. It also examines and discusses potential solutions for the water quality challenges that HDOH faces. Comments are due 17 OCT 14. For more information, contact [HDOH](#).

**WATER QUALITY STANDARDS AND WATER POLLUTION CONTROL** HDOH is proposing amendments to Hawaii Administrative Rules (HAR), Chapter 11-54 (Water Quality Standards) and Chapter 11-55 (Water Pollution Control). [Revisions to Chapter 11-54](#) would modify specific criteria for recreational areas and specify enforcement actions the state may take for violations. [Revisions to Chapter 11-55](#) would adopt [federal rules](#) (Title 40 Code of Federal Regulation (CFR) 122.45(g)) for effluent discharges from facilities that intake water for industrial cooling and processing, specify sampling requirements, and make changes to field citations. Comments are due 2 OCT 14. A public hearing is scheduled for the same day. For more information, contact Darryl Lum at (808) 586-4309.

**WASTEWATER SYSTEMS** HDOH [is proposing](#) revisions to HAR 11-62 (Wastewater Systems). The [revisions](#) would:

- Prohibit the installation of new cesspools and require sewer connections or upgrades of existing cesspools to a septic system;
- Clarify when a building upgrade may trigger a requirement to upgrade a system;
- Consolidate requirements for non-domestic wastewater;
- Require new facilities discharging greater than 100,000 gallons per day to dewater their sludge;
- Clarify and add requirements for aerobic treatment systems;
- Revise reporting requirements for spills and wastewater treatment works; and
- Align graywater systems with the state plumbing code.

Comments are due 2 OCT 14. A [public hearing](#) is scheduled for the same day. For more information, contact Mark Tomomitsu at (808) 586-4294.

## **LEGISLATIVE DEVELOPMENTS**

The [2014 Hawaii legislative session](#) began 15 JAN 14 and adjourned 1 MAY 14. For information about legislation in 2014, refer to the [May 2014 Review](#).

In addition, the [Guam 32<sup>nd</sup> 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 13.

[BCOR 337-32](#) proposes to require petroleum underground storage tanks be removed within 120 days after submittal of a notice of intent for permanent closure. Increases fees. Introduced 9 MAY 14.

[BCOR 339-32](#) proposes to establish a commercial recycling program. Introduced 12 MAY 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.

[BLS 279-32](#) proposes that Guam EPA conduct a one-year pilot project demonstrating the ability of Guam to develop a beneficial use for discarded glass bottles. Introduced 20 FEB 14, Passed 9 MAY 14, [Vetoed](#) 9 MAY 14.

\*[BLS 353-32](#) proposes to promote plastic bag reduction in Guam. Prohibits retailers from providing non-biodegradable plastic bags to consumers at the point of sale. Introduced 15 JUN 14.



## ***WATER***

**WELL STANDARDS** The Nevada State Engineer [is proposing](#) to amend state regulations for water well and related drilling (Nevada Administrative Code § 534.010 through § 534.500). The amendments are intended to clarify waiver requirements and water well plugging materials (i.e., bentonite content in grout). Other amendments would revise licensing requirements, clarify definitions, and update language for easier understanding. A [public hearing](#) is scheduled for 19 SEP 14. Comments are due the same day.

## ***LEGISLATIVE DEVELOPMENTS***

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

# **Department of Defense Activity**

## ***DOD AWARDS***

**2015 SECRETARY OF DEFENSE ENVIRONMENTAL AWARDS GUIDANCE RELEASE** [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.

**CALIFORNIA CAA WAIVER: HEAVY-DUTY TRACTOR-TRAILER GREENHOUSE GAS REGULATIONS** EPA is granting CARB's request for a waiver of CAA preemption to enforce provisions of its Heavy-Duty Tractor-Trailer Greenhouse Gas Regulations ([79 FR 46256](#)). The state rules are applicable to new 2011 through 2013 model year (MY) Class 8 tractors equipped with integrated sleeper berths (sleeper-cab tractors) and to new 2011 and subsequent MY dry-van and refrigerated-van trailers that are pulled by such tractors on California highways. Petitions for review must be filed by 6 OCT 14. For more information, contact [David Read](#) at (734) 214-4367.

**DETERMINATION OF ATTAINMENT: CALIFORNIA SOUTHEAST DESERT** EPA is proposing to determine that the Southeast Desert nonattainment area has attained the 1-hour ozone NAAQS ([79 FR 50574](#)). The proposed determination is based on data for the most recent three-year period (2011-2013). Comments are due 24 SEP 14. For more information, contact [Tom Kelly](#) at (415) 972-3856.

**HAWAII SIP** EPA is approving revisions to the Hawaii SIP that address the 8-hour ozone and the 2010 nitrogen dioxide (NO<sub>2</sub>) NAAQS ([79 FR 49454](#)). The ruling approves HAR Section 11-60.1-31, Hawaii Revised Statutes (HRS)

sections 342B-4 and 342B-5 into the Hawaii Ozone and Nitrogen Dioxide Infrastructure SIP. HRS sections 342-14, 342-18, and 342-19 are removed from the SIP. The final rule is effective 22 SEP 14. For more information, contact [Tom Kelly](#) at (415) 972-3856.

## ***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 Regulation (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](#).

## ***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).

## ***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](#).

**BI-STATE GREATER SAGE-GROUSE** FWS reopened the public comment period on its 28 OCT 13 proposed rule to list the bi-state DPS of [greater sage-grouse](#) (*Centrocercus urophasianus*) with a special rule (79 FR 45420). The service reopened the comment period in response to new information it received regarding population trends and recent state and federal agency funding and staffing commitments for various conservation efforts associated with the [Bi-State Action Plan](#). The bi-state DPS of greater sage-grouse is found in California and Nevada. Comments were due 4 SEP 14. For more information, contact Edward Koch at (775) 861-6300.

**VANDEMBERG MONKEYFLOWER** FWS determined endangered species status for the [Vandenberg monkeyflower](#) (*Diplacus vanderbergensis*), a plant species from Santa Barbara County, California (79 FR 50844). The rule is effective 25 SEP 14. For more information, contact Stephen Henry (805) 644-1766.

## ***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 live and archived webinars. Building on the familiar concept of [Reduce, Reuse, Recycle](#), sustainable materials management (SMM) is a systemic approach that seeks to reduce materials use and their associated environmental impacts over their entire life cycle, starting with extraction of natural resources and product design and ending with decisions on recycling or final disposal. The format is a formal presentation followed by a question and answer session.

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

**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](http://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

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
CDFW	California Department of Fish and Wildlife
CDPH	California Department of Public Health
CDPR	California Department of Pesticide Regulation
CDTSC	California Department of Toxic Substances Control
CDWR	California Department of Water Resources
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CH <sub>4</sub>	methane
CNOR	candidate notice of review
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	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
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
MADL	maximum allowable dose level
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MERIT	Materials of Evolving Regulatory Interest Team
MOU	memorandum of understanding
MPA	marine protected area
MS4	municipal separate storm sewer system
MSGP	multi-sector general permit
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NCSL	National Conference of State Legislatures
NAC	Nevada Administrative Code
NDEP	Nevada Division of Environmental Protection
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NF <sub>3</sub>	nitrogen trifluoride
NHTSA	National Highway Traffic Safety Administration
NIST	National Institute of Standards and Technology
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NO <sub>2</sub>	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
PM2.5	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
RACT	reasonably available control technology
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
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxides
SPCC	spill prevention, control, and countermeasures
TiO <sub>2</sub>	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/m <sup>3</sup>	micrograms per cubic meter
U.S.	United States
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Command
USGS	United States Geological Survey
UST	underground storage tank
USTCA	Underground Storage Tank Compliance Act
VOC	volatile organic compound
WCI	Western Climate Initiative
WGA	Western Governors' Association
WRAP	Western Regional Air Partnership