



U.S. ARMY

Western Review of Legislative & Regulatory Actions Region 9



The U.S. Army Regional Environmental & Energy Office

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The **REGION 9 WESTERN REVIEW** publishes environmental and energy related developments for DOD/Army leaders and installation staff. Covering the four states and territories in Federal Region 9, the *Western Review* gives early notice of legislative and regulatory activities relevant to DOD interests. The *Review* also helps installations meet ISO 14001 environmental management system requirements.

Find out more about the Army Regional Environmental and Energy Offices [here](#). Click [here](#) to browse back issues of the *Western Review*. To read back issues of other Regional Office *Reviews*, click on a region of the REEO website's U.S. map and select "Publications." To receive a copy of this electronic publication, send an [email request](#).



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NEW UNDERGROUND STORAGE TANK REGULATIONS FOR 2015

Prior to publication in the Federal Register, the Environmental Protection Agency (EPA) released a [new underground storage tank \(UST\) regulation](#) and state program approval regulation for 2015. According to EPA, the revisions to the UST program increase emphasis on properly operating and maintaining UST equipment. The revisions:

- Add secondary containment requirements for new and replaced tanks and piping;
- Add operator training requirements;
- Add periodic operation and maintenance requirements for UST systems;
- Add requirements to ensure UST system compatibility before storing certain biofuel blends;
- Remove prior deferrals for emergency generator tanks, airport hydrant systems, and field-constructed tanks;
- Update codes of practice; and
- Make editorial and technical corrections.

States approved to run their own programs are required to adopt requirements similar to the final 2015 UST regulation within three years. Currently, 38 states plus the District of Columbia and Puerto Rico have approved UST programs. Sixteen states and territories follow federal UST program rules. Owners and operators of UST systems in these states must meet the federal requirements according to the schedule in the 2015 UST regulation. Indian country UST owners and operators must also meet federal requirements according to the schedule in the 2015 UST regulation. The final rule is effective 90 days after publication in the Federal Register.

For more information, including a comparison of the 1988 UST regulations and the 2015 regulations, new and updated forms, a regulatory impact analysis, and a [map](#) of states with authorized programs, click [here](#).

Region 9

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



AIR

MARICOPA COUNTY: INCORPORATION BY REFERENCE The Maricopa County Air Quality Department [is proposing](#) to incorporate by reference various federal regulations and documents promulgated by and published in the Federal Register, including actions related to New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), Acid Rain and other parts of Title 40 of the Code of Federal Regulations (CFR). The incorporation by reference rulemaking must be adopted before requesting EPA's delegation of authority to enforce the federal rules documented in the Maricopa County Air Pollution Control Regulations Rules 321, 360, 370, 371, and Appendix G.

PINAL COUNTY: DEFINITION OF MAJOR SOURCE The Pinal County Air Quality Control District [adopted](#) amendments to align the district definition of a major source with federal and state rules. Additionally, the rulemaking conforms district requirements to state statute, which requires district rules to be no more stringent than Arizona Department of Environmental Quality (ADEQ) rule. The final rule amends district rules 1-1-105 and 3-3-203 with 40 CFR Part 52.21(b)(1)(i)(c) and ADEQ rule 18-2-401(11), effective 19 JUN 15.

WATER

BIOSOLIDS ADEQ [repealed](#) a prohibition on the incineration of biosolids, thereby allowing incineration as a means of disposal of biosolids. Disposal of biosolids are regulated under the Clean Water Act (CWA) Section 405, implemented under ADEQ's Biosolids/Sludge Waste Management Program, [Title 18 Arizona Administrative Code \(ACC\) Chapter 9 Article 10](#). Although EPA uses the terms biosolids and sewage sludge interchangeably, Arizona R18-9-1001 defines biosolids as a subset of sewage sludge that is beneficially applied as a soil amendment for agricultural purposes. The rulemaking amends rules R18-9-2002 and R18-9-1015. The final rules were effective 4 JUL 15.

2015 DE MINIMIS GENERAL PERMIT ADEQ [is proposing](#) to reissue a general permit under the Arizona Pollutant Discharge Elimination System (AZPDES) authorizing de minimis discharges to surface waters. Under the CWA and associated regulations (40 CFR Part 122), and Arizona statute, all point source discharges to surface waters require some type of discharge permit coverage. The proposed permit is intended to replace the AZPDES De Minimis General Permit (DMGP) No. AZG2010-001 issued 27 APR 10 and which expired 26 APR 15. The permit covers discharges that are generally infrequent, of low volume, and/or short duration. Examples of discharges covered under the permit include discharges from potable water system installation and maintenance activities, subterranean dewatering, well development and maintenance, aquifer testing, hydrostatic testing of pipes and vessels, reclaimed water system repair and pressure releases, uncontaminated air conditioning condensate, overflow from residential evaporative coolers, charitable car washes, exterior building washing and street wash water, dechlorinated drainage from swimming pools, and other discharges as identified by ADEQ. Comments on the draft permit were due 13 JUL 15. For more information, click [here](#).

LEGISLATIVE DEVELOPMENTS

The [2015 Arizona legislative session](#) began 12 JAN 15 and adjourned 2 APR 15. For information about legislation in 2015, refer to the [May 2015](#) edition of the Review.



AIR

OFF-ROAD LARGE SPARK-IGNITION ENGINE FLEET REGULATION The California Air Resources Board (CARB) [announced the first set of public workshops](#) to discuss proposed amendments for the Off-Road Large Spark-Ignition Engine Fleet Requirements (LSI Fleet Regulation). The current LSI Fleet Regulation focuses on reducing emissions and keeping records for equipment types including most forklifts, sweepers/scrubbers, industrial tow tractors, and airport ground support equipment. Public workshops in June 2015 included discussion of proposed amendments to reporting requirements for LSI fleets, equipment labeling requirements, and clarifying language.

MOJAVE DESERT: FEES The Mojave Desert Air Quality Management District adopted amendments to its fee rules. The final amendments increase permit fees in [Rule 301](#) by 3%; consolidate fee provisions in Rules 304, 305, 306, 307, 308, 309, 311, and 313 into [Rule 302](#); and adjust hearing board fees in [Rule 303](#) to recover a portion of actual costs. The final rules were adopted 22 JUN 15, effective 1 JAN 16.

SOUTH COAST: RISK ASSESSMENTS AND AIR TOXICS HOT SPOTS PROGRAM The South Coast Air Quality Management District adopted final amendments to definitions and rule language relating to health risk calculation methodologies in local rules [1401](#), [1401.1](#), [1402](#), and [212](#). The amendments provide consistency with the Air Toxics Hot Spots Program Guidance Manual for Preparation of Risk Assessments. The final rules were amended 6 JUN 15.

VENTURA COUNTY: BOILERS, STEAM GENERATORS, AND PROCESS HEATERS The Ventura County Air Pollution Control District adopted revisions to Rule 74.15.1. The revisions align oxides of nitrogen (NO_x) limits in Ventura County with those in the South Coast and San Joaquin Valley. The final rule requires 16% to 70% reduction from the current standard, depending upon the equipment category. It affects new or replaced boilers, steam generators, or process heaters greater than two million British thermal units per hour (mmBTU/hour) and less than five mmBTU/hour. The [final rule](#) is effective 1 JAN 16.

ENDANGERED SPECIES

TRICOLORED BLACKBIRD The California Fish and Game Commission, at its 11 JUN 15 meeting, [declined](#) to list the [tricolored blackbird](#) under the California Endangered Species Act. In related news, the commission allowed a [December 2014 emergency rulemaking](#), declaring the species endangered, to expire on 30 JUN 15.

TOXICS

EXPLOSIVE MATERIAL TRANSPORT The California Highway Patrol [adopted](#) amendments to rules governing the transport of explosive materials. The rulemaking addresses designated routes, required inspection stops, inspection stops, safe stopping places, and safe parking places. The amendments include a restriction on transporting explosives through the newly constructed Tom Lantos Tunnels and update the locations of required inspection stops, inspection stops, safe stopping places, and safe parking places to be used by carriers transporting explosives along the designated explosives routes. In addition, the updated information is presented in a tabulated format for easier update. The rulemaking amends Title 13 California Code of Regulation (CCR) [1150-1133](#). The final rule was effective 29 MAY 15.

WATER

SMALL MS4 GENERAL PERMIT The California State Water Resources Control Board [released](#) for public review and comment an administrative draft of the proposed [amendment to Attachment G](#) of the Small MS4 General Permit (Order No. 2013-0001-DWQ) modifying total maximum daily load (TMDL) implementation requirements. Comments are due 31 JUL 15. For more information, click [here](#).

REPORT AND GENERAL WASTE DISCHARGE REQUIREMENTS FOR COMPOSTING OPERATIONS The California State Water Resources Control Board is requesting public comment on a draft California Environmental Quality Act (CEQA) [Environmental Impact Report](#) (EIR) and proposed [General Waste Discharge Requirements for Composting Operations](#) (General Order). A board workshop is scheduled for 16 JUN 15 and a [public meeting](#) is scheduled for 7 JUL 15. For more information, click [here](#) to view the rulemaking website.

UNDERGROUND INJECTION WELL PROGRAM The California Department of Conservation [is proposing](#) to implement corrective action necessary to bring California's Class II underground injection control (UIC) program into compliance with the federal Safe Drinking Water Act. Among the wells the department regulates are injection wells that inject fluids or gas for the purpose of enhancing oil or gas recovery or repressuring oil or gas reservoirs, and injection wells that dispose wastewater and other byproducts associated with oil and gas production. The [proposed rulemaking](#) is intended to prevent risk of harm to groundwater suitable for municipal or irrigation purposes. The rulemaking would amend 14 CCR sections 1760.1 and 1779.1. Comments were due 13 JUL 15. Public hearings are scheduled for 15-16 JUL 15.

WELL STIMULATION TREATMENT REGULATIONS California Department of Conservation [adopted amendments](#) to supplement its current oil and gas regulatory framework with regulations specific to well stimulation treatment to meet the mandates of [Senate Bill \(SB\) 4 \(2013\)](#). SB 4 requires a permit from the Division of Oil, Gas and Geothermal Resources to conduct well stimulation. The permit application must include detailed information about the fluids to be used, a ground water monitoring plan, and a water management plan. Copies of an approved permit must be sent to neighboring property owners and tenants and water well testing results must be provided upon request. Hydraulic fracturing is one of many types of well stimulation treatments regulated under SB 4 and the final amendments. The rulemaking adopts 14 CCR Sections 1751, 1761, 1780, 1781, 1782, 1783, 1783.1, 1783.2, 1783.3, 1784, 1784.1, 1785, 1786, 1787, 1788, and 1789, effective 1 JUL 15.

STORMWATER STRATEGIC INITIATIVE The California State Water Resources Control Board [announced](#) a stakeholder meeting to provide information and answer questions from the public on the [Proposal to Develop a Stormwater Program Workplan and Implementation Strategy](#). The water boards' stormwater program and overall efforts to manage stormwater should:

- Treat stormwater as a valuable water resource;
- Preserve watershed processes to achieve desired water quality outcomes;
- Implement efficient and effective regulatory programs; and
- Collaborate to solve water quality and pollutant problems with an array of regulatory and non-regulatory approaches.

As part of the stormwater strategic initiative, issues or barriers that inhibit the existing stormwater program from aligning with these guiding principles were identified and solutions were developed. Those issues are identified in [Appendix A](#) as a list or menu of projects or actions that the regional water boards can implement to evolve the stormwater program. Comments are due 24 JUL 15. For more information, click [here](#).

STORMWATER REUSE IN LOS ANGELES The California State Water Resources Control Board [adopted](#) an [order](#) upholding the waste discharge requirements for municipal separate storm sewer system (MS4) discharges to the watersheds of Los Angeles County. The order makes minor revisions to a framework to promote integrated stormwater capture and

reuse. On 8 NOV 12, the Los Angeles Water Board issued a national pollutant discharge elimination system (NPDES) permit to control stormwater and non-stormwater discharges that enter coastal draining watersheds in Los Angeles County from MS4s owned or operated by the Los Angeles County Flood Control District, Los Angeles, and 84 municipal permittees. The permit implemented low impact development (LID) requirements, water quality improvement-driving provisions consistent with the requirements of 33 TMDLs, and new requirements for monitoring at outfalls. [Some](#) have called for the Los Angeles plan to be a state model. For more information, [click here](#).

LEGISLATIVE DEVELOPMENTS

The [2015 California legislative session](#) began 1 DEC 14 and adjourns 30 NOV 16. ** indicates the topic of a bill has changed significantly.

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR / CLIMATE CHANGE				
AB 239 <i>Assemblyman James Gallagher (R)</i> Proposes to prohibit the Air Resources Board from adopting or amending regulations pursuant to the California Global Warming Solutions Act.	✓			
AB 335 <i>Assemblyman Jim Patterson (R)</i> Proposes to require the Air Resources Board and air districts to adopt regulations classifying minor violations. Defines the term "notice to comply" and requires a representative of agencies that find a minor violation to issue a notice to comply.	✓			
AB 590 <i>Assemblyman Brian Dahle (R)</i> Proposes to create the Biomass State Cost Share Account within the Greenhouse Gas Reduction Fund. Specifies funds can be used to maintain the current level of biomass power generation in the state and revitalize currently idle facilities in strategically located regions.	✓	✓		
AB 692 <i>Assemblyman Bill Quirk (D)</i> Proposes to require state agency buyers of transportation fuels to procure an unspecified percentage of the total amount of fuel purchased from very low carbon transportation fuel sources. Increases the required percentage of very low carbon fuel to be purchased annually.	✓	✓		
AB 742 <i>Assemblyman James Gallagher (R)</i> Proposes to prohibit the Air Resources Board from enforcing a certain regulation that restricts emissions from in-use, diesel-fueled vehicles until the board completes a review of the safety of any particulate-matter filters.	✓			
AB 777 <i>Assemblyman Matthew Harper (R)</i> Proposes to repeal the California Global Warming Solutions Act of 2006.	✓			
AB 857 <i>Assemblyman Henry T. Perea (D)</i> Proposes to amend the California Clean Truck, Bus, and Off-Road Vehicle and Equipment Technology Program funding rules.	✓	✓		
AB 1094 <i>Assemblyman Das Williams (D)</i> Proposes to require the Energy Commission to conduct an analysis of plug-in equipment electricity consumption and set statewide targets for the greenhouse gases emitted by the generation of the electricity consumed by plug-in equipment.	✓			

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AB 1288 <i>Assemblywoman Toni Atkins (D)</i> Proposes to amend market-based compliance provisions of the Global Warming Solutions Act of 2006.	✓	✓		
AB 1324 <i>Assemblyman Das Williams (D)</i> Proposes to revise the definition of "statewide greenhouse gas emissions limit."	✓			
AB 1332 <i>Assemblyman Bill Quirk (D)</i> Proposes to address offsets under the California Global Warming Solutions Act of 2006. Requires the board to create an offset protocol for renewable energy projects that are able to ramp up or down during peak energy demands.	✓			
AB 1482 <i>Assemblyman Richard S. Gordon (D)</i> Proposes to address climate adaptation. Requires the Natural Resources Agency consider climate change impacts and promote the use of natural systems when developing physical infrastructure to address adaptation.	✓	✓		
AB 1496 <i>Assemblyman Tony Thurmond (D)</i> Proposes to require the Air Resources Board to adopt a program to measure, monitor, regulate, and reduce emissions of methane.	✓	✓		
SB 180 <i>Senator Hannah-Beth Jackson (D)</i> Proposes to address greenhouse gas performance standards for utilities. Replaces standards for baseload generation with standards for primary and secondary generation.	✓			
SB 189 <i>Senator Ben Hueso (D)</i> Proposes to establish the Clean Energy and Low-Carbon Economic and Jobs Growth Blue Ribbon Committee. Requires the committee to advise state agencies on the most effective ways to spend clean energy and greenhouse gas related funds and implement policies in order to maximize economic and employment benefits.	✓	✓		
SB 207 <i>Senator Bob Wieckowski (D)</i> Proposes to address planning documents associated with expenditures from the Greenhouse Gas Reduction Fund established under the Global Warming Solutions Act.	✓	✓		
SB 246 <i>Senator Bob Wieckowski (D)</i> Proposes to establish an advisory council to support California's climate change goals and planning documents. Requires climate adaptation planning documents and guides be updated.	✓	✓		
SB 379 <i>Senator Hannah-Beth Jackson (D)</i> Proposes to require counties to assess risks from climate change. Requires county plans to address climate adaptation and resiliency.	✓	✓		
SB 471 <i>Senator Fran Pavley (D)</i> Proposes to require the Air Resources Board to develop an inventory of greenhouse gas emissions from state water systems.	✓	✓		

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SB 491 <i>Committee On Transportation And Housing</i> Proposes to change public meeting requirements for air districts that impose a vehicle registration fee to fund air quality improvement projects.	✓	✓		
SB 513 <i>Senator James T. Beall (D)</i> Proposes to authorize the Sacramento Air Quality District to impose a vehicle registration surcharge and to use the funds from the surcharge on alternative fuel and electric infrastructure.	✓	✓		
ENERGY				
AB 140 <i>Assemblyman Travis Allen (R)</i> Proposes to make changes to existing law governing reports about the impact of distributed energy generation.	✓			
AB 197 <i>Assemblywoman Cristina Garcia (D)</i> Proposes to require all retail sellers of electricity to acquire energy so as to achieve grid reliability and greenhouse gas emission reductions simultaneously.	✓	✓		
AB 213 <i>Assemblyman Sebastian Ridley-Thomas (D)</i> Proposes to address energy efficiency and light emitting diode products. Prohibits the California Energy Resources Conservation and Development Commission from adopting standards that vary from federal standards.	✓			
AB 450 <i>Assemblyman Kevin McCarty (D)</i> Proposes to authorize the use of the moneys in the Greenhouse Gas Reduction Fund to provide funding revenue bonds.	✓	✓		
AB 568 <i>Assemblyman Bill Dodd (D)</i> Proposes to authorize Reclamation District 108 to construct, maintain, and operate a plant, transmission lines, and other necessary or appropriate facilities for the generation of hydroelectric power.	✓	✓		
AB 577 <i>Assemblywoman Susan Bonilla (D)</i> Proposes to allocate a specific dollar amount for the development of in-state biogas. Implements a bio-methane collection and purification grant program.	✓	✓		
AB 645 <i>Assemblyman Das Williams (D)</i> Proposes to increase the Renewable Portfolio Standard to 50% by 2030, from the existing RPS of 33% by 2020.	✓	✓		
AB 655 <i>Assemblyman Bill Quirk (D)</i> Proposes to increase fees for transporters of inedible kitchen grease for personal, noncommercial use as an alternative fuel.	✓	✓		
AB 674 <i>Assemblyman Kevin Mullin (D)</i> Proposes to address distributed energy generation. Restricts how electrical corporations can assess fees.	✓			
AB 808 <i>Assemblyman Sebastian Ridley-Thomas (D)</i> Proposes to regulate electricity used as a motor vehicle fuel. Revises rules governing oils and lubricants used in motor vehicles.	✓	✓		

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AB 942 <i>Assemblyman Ian Calderon (D)</i> Proposes to make amendments to the California Solar Initiative.	✓			
AB 946 <i>Assemblyman Phil Ting (D)</i> Proposes to address interoperability of electric vehicle charging stations.	✓			
AB 966 <i>Assemblyman Catharine Baker (R)</i> Proposes to address ratepayer funded incentives related to solar energy. Requires solar energy system building permits, or proof no building permit is required, be submitted to the California Energy Commission as a prerequisite to receive ratepayer funded incentives.	✓			
AB 1005 <i>Assemblyman Richard S. Gordon (D)</i> Proposes to modify the Electric Vehicle Charging Stations Open Access Act. Supports the widespread deployment of electric vehicles.	✓			
AB 1022 <i>Assemblyman Jay Obernolte (R)</i> Proposes to repeal substantive portions of the Solar Water Heating and Efficiency Act of 2007 approximately three years earlier than originally specified. The act was used to promote, through incentives, the installation of 200,000 solar water heating systems.	✓			
AB 1034 <i>Assemblyman Jay Obernolte (R)</i> Proposes to exempt the operation of a renewable energy generation facility from requirements of the Surface Mining and Reclamation Act of 1975.	✓	✓		
AB 1330 <i>Assemblyman Richard Bloom (D)</i> Proposes to enact the Energy Efficiency Resource Standard Act. Mandates energy efficiency programs for buildings.	✓	✓		
AB 1333 <i>Assemblyman Bill Quirk (D)</i> Proposes to address tariffs for electricity purchased from certain electric generation facilities.	✓			
AB 1442 <i>Assemblyman Patrick O'Donnell (D)</i> Proposes to amend the Motor Vehicle Fuel Tax Law. Redefines "gasohol" for purposes of the Use Fuel Tax Law.	✓			
SB 286 <i>Senator Robert Hertzberg (D)</i> Proposes to expand the use of direct access for the purchase of electricity.	✓	✓		
SB 350 <i>Senator Kevin de Leon (D)</i> Proposes to expand the California Renewable Portfolio Standards program from 33% by 2020 to 50% by 2050.	✓	✓		
SB 360 <i>Senator Anthony C. Cannella (R)</i> Proposes to address bio-methane collection and distribution. Authorizes the Public Utilities Commission to consider allowing gas corporations to engage in competitive bidding and direct investment in ratepayer financed bio-methane collection equipment, subject to conditions.	✓			

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SB 427 <i>Senator Jean Fuller (R)</i> Proposes to make amendments to the renewable portfolio standard program.	✓			
SB 550 <i>Senator Robert Hertzberg (D)</i> Proposes to address net metering. Deletes an exemption for net metering.	✓			
SB 687 <i>Senator Ben Allen (D)</i> Proposes to require the Air Resources Board to adopt a carbon-based renewable gas standard that requires gas sellers to provide specified percentages of renewable gas to retail end-use customers for use in California. Increases the percentage over time. Authorizes the board to waive enforcement of the renewable gas standard under certain conditions.	✓			
SB 723 <i>Senator Fran Pavley (D)</i> Proposes to require the Public Utilities Commission to authorize a pilot program to evaluate the effects of using an alternative baseline energy efficiency methodology at Armed Forces bases and facilities. Requires the commission to approve financial incentives for certain energy efficiency measures at Armed Forces bases and facilities.	✓			
SB 765 <i>Senator Lois Wolk (D)</i> Proposes to address net metering. Requires the Public Utilities Commission to contract with an independent entity and to consult with that entity regarding demand-side energy management programs.	✓	✓		
SB 793 <i>Senator Lois Wolk (D)</i> Proposes to amend the green tariff shared renewables program. Requires the Public Utilities Commission to require that a participating utility allow a participating customer to subscribe to the program and receive bill credits.	✓	✓		
LAND USE				
AB 644 <i>Assemblyman Jim Wood (D)</i> Proposes to address local approval of building construction in high fire hazard severity zones.	✓	✓		
AB 1004 <i>Assemblyman Brian Dahle (R)</i> Proposes to authorize the California Tahoe Conservancy to take certain actions to fulfill the purposes of the conservancy and to promote specified state planning priorities.	✓	✓		
AB 1061 <i>Assemblyman James Gallagher (R)</i> Proposes to expand the authorities of the Central Valley Flood Protection Board. Authorizes the board to raise and expend monies for flood control.	✓	✓		
NATURAL RESOURCES				
AB 300 <i>Assemblyman Luis Alejo (D)</i> Proposes to enact the Safe Water and Wildlife Protection Act of 2015. Establishes the Algal Bloom Task Force. Requires the task force to study impacts of toxic blooms and associated pollution and prepare a report.	✓	✓		

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AB 311 <i>Assemblyman James Gallagher (R)</i> Proposes to address environmental impact reports for water improvement projects.	✓			
AB 353 <i>Assemblyman Tom Lackey (R)</i> Proposes to require the Department of Fish and Game to authorize take of the unarmored threespine stickleback resulting from impacts attributable to habitat restoration projects on public lands in the Bouquet Canyon area.	✓	✓		
AB 435 <i>Assemblywoman Ling-Ling Chang (R)</i> Proposes to require Natural Resources Agency and the California Environmental Protection Agency to webcast all public meetings and to accept public comments electronically.	✓	✓		
AB 498 <i>Assemblyman Marc Levine (D)</i> Proposes to protect wildlife corridors.	✓	✓		
AB 559 <i>Assemblywoman Patty Lopez (D)</i> Proposes to protect monarch butterflies. Authorizes the Department of Fish and Wildlife to partner with federal agencies, nonprofit organizations, academic programs, and private landowners to benefit the butterfly.	✓	✓		
AB 1251 <i>Assemblyman Jimmy Gomez (D)</i> Proposes to enact the Greenway Development and Sustainment Act. Authorizes certain tax-exempt nonprofit organizations to acquire and hold a conservation easement if the organizations have as their primary purpose the development of a greenway.	✓	✓		
AB 1312 <i>Assemblyman Patrick O'Donnell (D)</i> Proposes to address ballast water management in association with the Marine Invasive Species Act. Defines terms. Amends requirements for the State Lands Commission to adopt regulations governing ballast water management practices. Specifies exemptions to ballast water management requirements. Deletes obsolete reporting requirements.	✓	✓		
AB 1398 <i>Assemblyman Scott Wilk (R)</i> Proposes to enact the Sustainable Environmental Protection Act. Specifies required environmental review pursuant to the California Environmental Quality Act required for projects related to specified environmental topical areas. Prohibits certain challenges to claims of noncompliance with the act.	✓			
SB 122 <i>Senator Hannah-Beth Jackson (D)</i> Proposes to amend public access provisions of the California Environmental Quality Act. Establishes an electronic database clearinghouse of documents prepared pursuant to the act. Requires public review of final reports and amends recordkeeping requirements.	✓	✓		
SB 154 <i>Senator Robert Huff (R)</i> Proposes to make technical, non-substantive changes to the definition of "environmental impact report."	✓			

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SB 223 <i>Senator Cathleen Galgiani (D)</i> Proposes to address invasive species. Requires the Department of Parks and Recreation establish an advisory and oversight committee to monitor activities relating to the management and control or eradication of invasive aquatic plants.	✓	✓		
SB 520 <i>Senator Tom Berryhill (R)</i> Proposes to repeal provisions of existing law that establish fire prevention fees for habitable structures.	✓			
SB 756 <i>Senator Jeff Stone (R)</i> Proposes to amend the California Environmental Quality Act.	✓			
OTHER				
AB 350 <i>Assemblyman Luis Alejo (D)</i> Proposes to address licensing of pesticide applicators. Specifies that certification for plant growth regulation includes plant and soil health.	✓			
AB 543 <i>Assemblyman Bill Quirk (D)</i> Proposes to define prohibitions and warnings in Proposition 65.	✓			
AB 597 <i>Assemblyman Ken Cooley (D)</i> Proposes to enact the Asbestos Tort Claim Trust Transparency Act. Establishes additional procedures with respect to civil actions pertaining to asbestos tort claims.	✓			
AB 641 <i>Assemblyman Chad Mayes (R)</i> Proposes to address administrative procedures under the California Environmental Quality Act regarding state agency reviews of housing projects.	✓			
AB 729 <i>Assemblywoman Toni Atkins (D)</i> Proposes to address the San Diego Unified Port District territory held in trust.	✓			
AB 772 <i>Assemblyman Catharine Baker (R)</i> Proposes to require records of the sale of butane be kept for a specified period of time.	✓			
AB 824 <i>Assemblyman Mike Gatto (D)</i> Proposes to amend the definition of "fire prevention activities" to include coordination and cooperation with the federal government.	✓	✓		
AB 1059 <i>Assemblywoman Cristina Garcia (D)</i> Proposes to require the Office of Environmental Health Hazard Assessment to update the California Communities Environmental Health Screening by using any relevant environmental data relating to known impacts on the environmental quality of the communities in the California-Mexico border region.	✓	✓		

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AB 1071 <i>Assemblywoman Toni Atkins (D)</i> Proposes to require California Environmental Protection Agency to establish policy on supplemental environmental projects to benefit environmental justice communities.	✓	✓		
AB 1080 <i>Assemblyman Jay Obernolte (R)</i> Proposes to address reuse of military bases. Defines the term "enforceable obligation."	✓			
AB 1098 <i>Assemblyman Richard Bloom (D)</i> Proposes to address transportation planning. Revises requirements associated with congestion management programs and regional transportation plans.	✓			
AB 1169 <i>Assemblyman Jimmy Gomez (D)</i> Proposes to address project funding from the Strategic Growth Council. Changes how funding is reported.	✓	✓		
AJR 11 <i>Assemblywoman Autumn Burke (D)</i> Proposes to recognize the unique military value of California's defense installations and the disproportionate sacrifices California has endured in previous base realignment and closure (BRAC) rounds.	✓	✓	✓	Enacted
SB 111 <i>Senator Jean Fuller (R)</i> Proposes to address military school funding. Makes appropriations for construction.	✓	✓		
SB 121 <i>Senator Jean Fuller (R)</i> Proposes to address military school funding and federal school construction grants.	✓			
SB 140 <i>Senator Mark Leno (D)</i> Proposes to prohibit the sale of tobacco or electronic cigarettes to minors.	✓	✓		
SB 170 <i>Senator Ted Gaines (R)</i> Proposes to address unmanned aerial vehicles (UAVs). Imposes fines and provides for criminal penalties for violations.	✓	✓		
SB 262 <i>Senator Cathleen Galgiani (D)</i> Proposes to authorize law enforcement use of UAVs.	✓			
SB 271 <i>Senator Ted Gaines (R)</i> Proposes to prohibit UAVs in certain areas.	✓	✓		
SB 486 <i>Senator Mike McGuire (D)</i> Proposes to address telecommunications companies and 911 services.	✓			
SB 506 <i>Senator Jean Fuller (R)</i> Proposes to establish the Military and Aerospace Program in the Governor's Office of Business and Economic Development to develop a strategic plan for defense retention and conversion efforts.	✓			

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
WASTE				
AB 190 <i>Assemblyman Matthew Harper (R)</i> Proposes to repeal an existing law prohibiting businesses from providing single-use carry out bags and establishing minimum fees for recycled paper bags.	✓			
AB 191 <i>Assemblyman Matthew Harper (R)</i> Proposes to repeal an existing law that establishes per bag fees for businesses providing recycled paper bags.	✓			
AB 263 <i>Assemblyman Jim Patterson (R)</i> Proposes to require the Department of Toxic Substances Control to periodically update regulations relating to the use of EPA publication SW-846.	✓			
AB 273 <i>Committee On Environmental Safety And Toxic Materials</i> Proposes to address oversight and fees associated with corrective action under hazardous waste laws.	✓	✓		
AB 276 <i>Committee On Environmental Safety And Toxic Materials</i> Proposes to revise the definition of "trade secret" to include information related to a person's ability to pay for or to perform a response action under hazardous waste laws.	✓	✓		
AB 385 <i>Assemblyman Kansen Chu (D)</i> Proposes to revise the California Integrated Waste Management Act. Requires certain solid waste facilities, including solid waste transfer or processing stations and composting, transformation, and disposal facilities to hold public meetings every six months. Specifies the topics to be addressed at the public meetings.	✓	✓		
AB 628 <i>Assemblyman Richard Bloom (D)</i> Proposes to address management of used oil. Clarifies that the synthetic oil referred to in hazardous waste rule definitions of "used oil" may be from any source.	✓	✓		
AB 901 <i>Assemblyman Richard S. Gordon (D)</i> Proposes to amend reporting requirements for recycling and composting operations.	✓	✓		
AB 997 <i>Assemblyman Travis Allen (R)</i> Proposes to restate the state's goal for waste source reduction and recycling. Requires the Department of Resources Recycling and Recovery to investigate emerging technologies to convert wastes to feedstocks.	✓			
AB 1045 <i>Assemblyman Jacqui Irwin (D)</i> Proposes to require state agencies develop and implement policies to aid in diverting 50% of organic waste from landfills by 2020 by promoting the composting of specified organic waste.	✓	✓		
AB 1063 <i>Assemblyman Das Williams (D)</i> Proposes to increase the maximum fee paid by a solid waste facility operator to the state.	✓	✓		

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AB 1075 <i>Assemblyman Luis Alejo (D)</i> Proposes to impose penalties for violations of hazardous waste laws. Allows for permit revocation after two violations.	✓	✓		
** AB 1159 <i>Assemblyman Richard S. Gordon (D)</i> This bill previously addressed recycling of used tires. The bill now addresses disposal of household generated used batteries and medical sharps. Tasks manufacturers and product stewardship entities to develop a life-cycle product stewardship program for household batteries and home-generated sharps waste. Establishes fees.	✓			
AB 1239 <i>Assemblyman Richard S. Gordon (D)</i> Proposes to require retail sellers of new tires to end-use purchasers to pay a fee of \$1.75 per tire. Requires collected fees to be used to fund a waste tire hauler and used tire hauler manifest system.	✓	✓		
SB 162 <i>Senator Cathleen Galgiani (D)</i> Proposes to address the generation and management of treated wood waste. Removes sunset provisions in existing law regarding treated wood waste. Extends existing law indefinitely.	✓	✓		
SB 225 <i>Senator Bob Wieckowski (D)</i> Proposes to ensure that the expenditure of funds pursuant to the California Tire Recycling Act reflect the California Integrated Waste Management Act's priorities for waste reduction and recycling.	✓	✓		
SB 423 <i>Senator Patricia Bates (R)</i> Proposes to define pharmaceutical waste. Excludes certain over-the-counter human or veterinary drugs and supplements from the definition of pharmaceutical waste.	✓			
SB 489 <i>Senator Bill Monning (D)</i> Proposes to authorize the Department of Toxic Substances Control to adopt regulations designating certain waste photovoltaic modules as universal waste.	✓	✓		
SB 509 <i>Senator Ben Hueso (D)</i> Proposes to address labeling requirements for compostable, home compostable, or marine biodegradable. Establishes standards for commercial agricultural mulch film.	✓			
SB 612 <i>Senator Hannah-Beth Jackson (D)</i> Proposes to expand business plan requirements for business that handle hazardous materials. Adds requirements for maps in the business plan.	✓	✓		
SB 654 <i>Senator Kevin de Leon (D)</i> Proposes to address hazardous waste facility permitting. Requires an owner or operator to submit a complete Part A and Part B application at least two years prior to expiration of its existing permit.	✓	✓		

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
SB 673 <i>Senator Ricardo Lara (D)</i> Proposes to direct the Department of Toxic Substances to develop new criteria to determine whether to issue or renew a hazardous waste facilities permit. The new criteria would restrict permit re-issuance. Requires a person to pay for oversight of corrective action for hazardous waste.	✓	✓		
SB 732 <i>Senator Richard Pan (D)</i> Proposes to require plastic beverage containers to contain a minimum of 10% post-filled material.	✓	✓		
SB 778 <i>Senator Ben Allen (D)</i> Proposes to require all automotive oil to have a minimum useful life of 10,000 miles. Promotes the use of synthetic oils.	✓			
WATER				
AB 78 <i>Assemblyman Devon Mathis (R)</i> Proposes to address groundwater sustainability. Requires the Department of Water Resources to categorize each groundwater basin and sets deadlines for local agencies to develop groundwater sustainability plans for certain basins.	✓			
AB 92 <i>Assembly Committee On Budget</i> Proposes to establish the Office of Sustainable Water Solutions within the State Water Resources Control Board to promote permanent and sustainable drinking water and wastewater solutions. Directs the Department of Fish and Wildlife to take specific actions related to water diversions and the protection of salmon and steelhead.	✓	✓	✓	Enacted
AB 102 <i>Assemblyman Freddie Rodriguez (D)</i> Proposes to address spill response. Creates the Regional Railroad and Surface Transportation Accident Preparedness and Immediate Response Force in the Office of Emergency Services.	✓			
AB 149 <i>Assemblyman Rocky Chavez (R)</i> Proposes to change the frequency that urban water suppliers are required to update their urban water management plans.	✓	✓	✓	
AB 152 <i>Assemblyman Frank Bigelow (R)</i> Proposes to make changes to water rights law.	✓			
AB 153 <i>Assemblyman Frank Bigelow (R)</i> Proposes to make changes to requirements for integrated regional water management plans.	✓			
AB 307 <i>Assemblyman Devon Mathis (R)</i> Proposes to explicitly permit the usage of residential, commercial, and industrial graywater for the recharge of a groundwater basin or aquifer.	✓			
AB 308 <i>Assemblyman Devon Mathis (R)</i> Proposes to explicitly permit incorporated and unincorporated communities to sell graywater for agricultural purposes and agriculture to use graywater for agricultural purposes.	✓			

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AB 434 <i>Assemblywoman Cristina Garcia (D)</i> Proposes to require the State Water Resources Control Board to adopt regulations governing the use of point-of-entry and point-of-use treatment by public water systems in lieu of centralized treatment.	✓	✓		
AB 452 <i>Assemblyman Frank Bigelow (R)</i> Proposes to authorize funding for the Groundwater Regulation Subaccount.	✓			
AB 453 <i>Assemblyman Frank Bigelow (R)</i> Proposes to require local agencies to amend their existing groundwater management plans until they adopt groundwater sustainability plans.	✓	✓		
AB 454 <i>Assemblyman Frank Bigelow (R)</i> Proposes to change the dates by which certain groundwater sustainability plans must be developed.	✓			
AB 455 <i>Assemblyman Frank Bigelow (R)</i> Proposes to require the court to establish a rule related to proceedings associated with environmental impact reports for projects covered by a groundwater sustainability plan.	✓			
AB 496 <i>Assemblyman Anthony Rendon (D)</i> Proposes to address funding for drinking water for school districts.	✓	✓		
AB 606 <i>Assemblyman Marc Levine (D)</i> Proposes to require the Department of General Services to retrofit state property to reduce water consumption.	✓	✓		
AB 647 <i>Assemblywoman Susan Eggman (D)</i> Proposes to address water rights. Declares that the diversion of water underground constitutes a beneficial use of water if the diverted water is stored and later applied to a beneficial use or to recover groundwater levels.	✓	✓		
AB 815 <i>Assemblyman Sebastian Ridley-Thomas (D)</i> Proposes to require operators of refineries, marine terminals, or crude oil pipelines to pay oil spill prevention and response fees.	✓	✓		
** AB 864 <i>Assemblyman Das Williams (D)</i> The subject of this bill changed from solid waste facility permitting to oil spill planning and response. The bill now proposes to require owners of oil pipelines in environmentally and ecologically sensitive areas to use the best available technologies to reduce the amount of oil released in a spill and to describe their use of those technologies in their oil spill contingency plans.	✓	✓		
AB 935 <i>Assemblyman Rudy Salas (D)</i> Proposes to address how water development grants can be spent.	✓	✓		
AB 936 <i>Assemblyman Rudy Salas (D)</i> Proposes to address eligibility for groundwater monitoring grants.	✓			
AB 937 <i>Assemblyman Rudy Salas (D)</i> Proposes to declare that the recharging of a groundwater basin to repel saline intrusion or recover basin groundwater levels is a beneficial use.	✓	✓		

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AB 938 <i>Assemblyman Rudy Salas (D)</i> Proposes to address groundwater sustainability. Establishes a groundwater sustainability agency.	✓	✓		
AB 955 <i>Assemblyman Devon Mathis (R)</i> Proposes to provide drought assistance. Authorizes the state to provide temporary water supplies to property owners.	✓			
AB 956 <i>Assemblyman Devon Mathis (R)</i> Proposes to make changes to requirements for negative declarations under the California Environmental Quality Act. Exempts certain water recycling projects from environmental review requirements.	✓			
AB 1095 <i>Assemblyman Eduardo Garcia (D)</i> Proposes to make appropriations to support projects that fulfill obligations for restoration projects associated with intrastate or multiparty water quantification settlement agreement provisions relating to the Salton Sea.	✓	✓		
AB 1139 <i>Assemblywoman Nora Campos (D)</i> Proposes to make nonsubstantive changes to the provision naming the California Water District Law.	✓			
AB 1173 <i>Assemblyman Das Williams (D)</i> Proposes to address professional certification requirements for backflow prevention testers.	✓	✓		
**AB 1242 <i>Assemblyman Adam Gray (D)</i> The topic of this bill changed from groundwater sustainability to instream flows. Requires the state board to identify projects for fish recovery that may be undertaken in lieu of instream flows before approving a program that requires instream flows for protection of instream beneficial uses.	✓	✓		
AB 1243 <i>Assemblyman Adam Gray (D)</i> Proposes to address groundwater sustainability. Establishes the Groundwater Recharge Grant Fund. Makes available grants to local governments and water districts for groundwater recharge infrastructure projects.	✓			
AB 1362 <i>Assemblyman Richard S. Gordon (D)</i> Proposes to define "stormwater" to mean any system of public improvements or service intended to provide for the quality, conservation, control, or conveyance of waters that land on or drain across the natural or man-made landscape.	✓			
AB 1376 <i>Assemblyman Henry T. Perea (D)</i> Proposes to make an appropriation to fund drought-related drinking water projects.	✓			
AB 1390 <i>Assemblyman Luis Alejo (D)</i> Proposes to address adjudication of groundwater rights. Establishes procedures. Authorizes the court to determine all rights to groundwater in a basin whether based on appropriation, overlying right, or other basis of right.	✓	✓		

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AB 1420 <i>Assemblyman Rudy Salas (D)</i> Proposes to require the Division of Oil, Gas, and Geothermal Resources to prioritize the identification and testing of pipelines that are near sensitive areas.	✓	✓		
AB 1454 <i>Assemblyman Eric Linder (R)</i> Proposes to address trash loads on water quality and a suspended prohibition on single-use carry out bags. Provides limited relief to water quality total maximum daily load requirements that were developed based on a plastic bag ban. The ban is inoperative, pending the results of a referendum election.	✓			
AB 1463 <i>Assemblyman Mike Gatto (D)</i> Proposes to address onsite recycled water. Requires the state to establish water quality standards and distribution, monitoring, and reporting requirements for onsite water recycling systems prior to authorizing the use of onsite recycled water in internal plumbing of residential and commercial buildings.	✓	✓		
AB 1490 <i>Assemblyman Anthony Rendon (D)</i> Proposes to address oil and gas well stimulation and seismic activities. Prohibits wastewater disposal wells and all well stimulation treatments within 10 miles of a recently active fault. Restricts well stimulation following an earthquake of specified magnitude and within a specified radius from the epicenter of the earthquake.	✓			
AB 1531 <i>Committee On Environmental Safety And Toxic Materials</i> Proposes to address state enforcement of the Safe Drinking Water Act. Addresses prohibitions on point-of-use treatment and point-of-entry treatments and permits.	✓	✓		
SB 76 <i>Committee On Budget And Fiscal Review</i> Proposes to revise requirements related to stream diversions and determinations of whether the diversion is deleterious to steelhead and salmon. Imposes penalties.	✓	✓		
SB 127 <i>Senator Andy Vidak (R)</i> Proposes to modify the Water Quality, Supply, and Infrastructure Act of 2014 (i.e., Proposition 1, 2014). Establishes procedures for public agencies to follow when certifying environmental impact reports for projects developed under the act.	✓			
SB 143 <i>Senator Jeff Stone (R)</i> Proposes to address recreational use of drinking water sources. Allows certain recreational activities in drinking water reservoirs, if specific conditions are met.	✓			
SB 144 <i>Senator Richard Pan (D)</i> Proposes to modify the Natomas Basin flood protection project. Adopts a report.	✓	✓		
SB 173 <i>Senator Jim Nielsen (R)</i> Proposes to address ground water withdrawals and the Sustainable Groundwater Management Act. Defines a de minimis extractor as a person who extracts, for domestic purposes, 10 acre-feet of water or less per year.	✓			

<i>California Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
SB 208 <i>Senator Ricardo Lara (D)</i> Proposes to address integrated regional water management plans. Addresses funding and grant expenditures.	✓	✓		
SB 226 <i>Senator Fran Pavley (D)</i> Proposes to amend the Sustainable Groundwater Management Act. Establishes a timely method for determining rights to groundwater in furtherance of the objectives of the Act.	✓	✓		
SB 228 <i>Senator Anthony C. Cannella (R)</i> Proposes to declare that recharging of a groundwater basin by a local agency for the purposes of repelling saline intrusion and recovering basin groundwater levels constitutes a beneficial use of water.	✓			
SB 385 <i>Senator Ben Hueso (D)</i> Proposes to address public utility compliance with drinking water standards for hexavalent chromium. Provides additional time to achieve compliance with California hexavalent chromium standards for utilities that submit a compliance plan to the state.	✓	✓		
SB 487 <i>Senator Jim Nielsen (R)</i> Proposes to exempt plans developed under the Sustainable Groundwater Act from certain California Environmental Quality Act requirements.	✓			
SB 551 <i>Senator Lois Wolk (D)</i> Proposes to declare the policy of the state that water use and water treatment shall be as energy efficient as is feasible and energy use and generation shall be as water efficient as is feasible.	✓	✓		
SB 552 <i>Senator Lois Wolk (D)</i> Proposes to require the State Water Resources Control Board to ensure disadvantaged communities have adequate water resources. Requires a report.	✓	✓		
SB 555 <i>Senator Lois Wolk (D)</i> Proposes to require urban water retail sellers to conduct a water loss audit and submit a report. Requires reports to be posted electronically.	✓	✓		
SB 568 <i>Senator Jean Fuller (R)</i> Proposes to enact legislation relating to the Groundwater Sustainability Act.	✓			
SB 615 <i>Senator Tom Berryhill (R)</i> Proposes to require state water boards to waive certain reporting and other requirements for managed wetlands.	✓			

WASTE

HAWAII PLASTIC BAG BAN The State of Hawaii became the first state to prohibit retailers from distributing plastic bags at the checkout counter. The Island of Oahu is now [enforcing a ban](#) that prohibits stores from offering plastic or other non-recyclable bags to consumers. The ban does not apply to bags used for fruits, vegetables, nuts, meat or fish, flowers or potted plants, takeout bags at restaurants, or newspaper bags used for home deliveries, among other exemptions. The plastic bag ban began in the Hawaiian Islands when Maui [implemented a ban](#) in 2011, [followed by Kauai](#) in the same year, and [Hawaii County](#) in 2013.

LEGISLATIVE DEVELOPMENTS

The [2015 Hawaii legislative session](#) began 21 JAN 15 and adjourned 6 MAY 15.

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR/CLIMATE CHANGE				
SB 500 <i>Senator Laura Thielen (D)</i> Proposes to require major infrastructure projects to consider the effects of projected sea level rise over the anticipated lifespan of the project.	✓			Carry over to 2016 session
ENERGY				
HB 623 <i>Representative Chris Kalani Lee (D)</i> Proposes to increase renewable energy generation in the state. Increases the renewable energy portfolio standard. Establishes standards and requirements for large self-generators of renewable energy. Requires large self-generators to achieve 100% renewable energy generation by 2040. Companion bill is SB 715.	✓	✓	✓	Enacted
HB 892 <i>Representative Joseph Souki (D)</i> Proposes to impose new taxes on petroleum and change the allocation of existing taxes. Allocates more funds to energy and food sustainability efforts and less to the general fund. Companion bill is SB 1061.	✓			Carry over to 2016 session
SB 715 <i>Senator Mike Gabbard (D)</i> Proposes to increase renewable energy generation in the state. Increases the renewable energy portfolio standard. Establishes standards and requirements for large self-generators of renewable energy. Requires large self-generators to achieve 100% renewable energy generation by 2040. Companion bill is HB 623.	✓	✓		Carry over to 2016 session
SB 1061 <i>Senator Donna Mercado Kim (D)</i> Proposes to impose new taxes on petroleum and change the allocation of existing taxes. Allocates more funds to energy and food sustainability efforts and less to the general fund. Companion bill is HB 892.	✓			Carry over to 2016 session

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
LAND USE				
HB 1430 <i>Representative Jo Jordan (D)</i> Proposes to establish the Makua Valley Reserve Commission to oversee control and management of Makua Valley. Requires the Department of Land and Natural Resources to implement controls and permitted uses for the Valley and provide administrative support to the commission.	✓			Carry over to 2016 session
NATURAL RESOURCES				
HB 5 <i>Representative Cynthia Thielen (R)</i> Proposes to require the environmental council to adopt rules that require all environmental impact statements and environmental assessments include climate change analysis.	✓			Carry over to 2016 session
HB 7 <i>Representative Cynthia Thielen (R)</i> Proposes to address private residences and the Hawaii register of historic places. Exempts private residences not on the Hawaii register of historic places from designation as a historic property in order to exempt those properties from state historic preservation review in connection with project permit or land use applications.	✓			Carry over to 2016 session
HB 465 <i>Representative Scott K. Saiki (D)</i> Proposes to address historic preservation. Requires the Department of Land and Natural Resources to identify the types of projects that have no potential to affect a historic property and the types of properties likely to be eligible for inclusion in the Hawaii register of historic places. Requires the department to develop a plan for completing a comprehensive inventory of historic buildings. Companion bill is SB 877.	✓			Carry over to 2016 session
HB 469 <i>Representative Gene Ward (R)</i> Proposes to streamline the Historic Preservation Act to increase efficiency, reduce confusion, and adhere to the spirit of the law. Companion bill is SB 956.	✓			Carry over to 2016 session
HB 611 <i>Representative Cindy Evans (D)</i> Proposes to appropriate funds to digitize historic preservation records and positions in the State Historic Preservation Division. Takes effect 1 JUL 50.	✓	✓	✓	Carry over to 2016 session
HB 647 <i>Representative Calvin K.Y. Say (D)</i> Proposes to protect native sandalwood trees. Prohibits destruction or harvesting of sandalwood trees. Bans export of raw sandalwood timber. Requires the state to establish policies.	✓			Carry over to 2016 session
HB 750 <i>Representative Gregg Takayama (D)</i> Proposes to protect native sandalwood trees. Prohibits destruction or harvesting of sandalwood trees. Bans export of raw sandalwood timber. Establishes penalties.	✓			Carry over to 2016 session

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
SB 877 <i>Senator J. Kalani English (D)</i> Proposes to address historic preservation. Requires the Department of Land and Natural Resources to identify the types of projects that have no potential to affect a historic property and the types of properties likely to be eligible for inclusion in the Hawaii register of historic places. Requires the department to develop a plan for completing a comprehensive inventory of historic buildings. Companion bill is HB 465.	✓	✓		Carry over to 2016 session
SB 956 <i>Senator Sam Slom (R)</i> Proposes to streamline the Historic Preservation Act to increase efficiency, reduce confusion, and adhere to the spirit of the law. Companion bill is HB 469.	✓			Carry over to 2016 session
OTHER				
HB 693 <i>Representative Kaniela Ing (D)</i> Proposes to require public notification and disclosure of application of restricted use pesticides. Requires reporting for application of restricted use pesticides. Requires the state to post reports online. Establishes buffer zones to limit public exposure and drift onto sensitive areas.	✓			Carry over to 2016 session
HB 1514 <i>Representative Chris Kalani Lee (D)</i> Proposes to require disclosure of outdoor pesticide application near schools, childcare facilities, and agricultural entities. Establishes pesticide buffer zones for sensitive areas. Establishes penalties.	✓			Carry over to 2016 session
HCR 3 <i>Representative Ken Ito (D)</i> Proposes to oppose the U.S. Army's proposed force reduction of Schofield Barracks and Fort Shafter bases. Companion resolution is SCR 3.	✓	✓	✓	Enacted
HCR 196 <i>Representative Andria Tupola (R)</i> Proposes to request the state to convene a drone policy task force and recommend a statewide policy for unmanned aircraft that protects privacy and allows the use of unmanned aircraft systems for public and private applications. Companion resolution is HR 133.	✓			Carry over to 2016 session
HCR 219 <i>Representative Chris Kalani Lee (D)</i> Proposes to request the Department of Health establish pesticide buffer zones around sensitive areas and disclosure requirements for entities that use large quantities of restricted use pesticides.	✓			Carry over to 2016 session
HR 133 <i>Representative Andria Tupola (R)</i> Proposes to request the state to convene a drone policy task force and recommend a statewide policy for unmanned aircraft that protects privacy and allows the use of unmanned aircraft systems for public and private applications. Companion resolution is HCR 196.	✓			Carry over to 2016 session
SB 575 <i>Senator Russell Ruderman (D)</i> Proposes to prohibit the sale of personal care products that contain synthetic plastic microbeads. Establishes the plastic pollution special fund. Requires violators to pay a fine that is deposited into the general fund and the plastic pollution special fund.	✓			Carry over to 2016 session

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
SB 661 <i>Senator Willie C. Espero (D)</i> Proposes to establish the Hawaii unmanned aerial systems test site chief operating officer position to serve on the Pan-Pacific Unmanned Aerial Systems Test Range Complex management team. Establishes an advisory board to oversee and manage unmanned aerial systems test site operations.	✓	✓	✓	Enacted
SB 734 <i>Senator Rosalyn H. Baker (D)</i> Proposes to increase pesticide licensing fees. Addresses use of the pesticide use revolving fund.	✓			Carry over to 2016 session
SB 793 <i>Senator Joshua B Green (D)</i> Proposes to establish mandatory notice, reporting, and use requirements when pesticides are applied outdoors near sensitive areas.	✓			Carry over to 2016 session
SB 797 <i>Senator Joshua B Green (D)</i> Proposes to establish notice, reporting, and use requirements for any entity or person that uses pesticides under certain circumstances.	✓			Carry over to 2016 session
SB 799 <i>Senator Joshua B Green (D)</i> Proposes to establish notice, reporting, and use requirements for any entity or person that uses pesticides under certain circumstances.	✓			Carry over to 2016 session
SB 801 <i>Senator Joshua B Green (D)</i> Proposes to establish notice, reporting, and use requirements for any entity or person that uses pesticides under certain circumstances.	✓			Carry over to 2016 session
SB 931 <i>Senator Sam Slom (R)</i> Proposes to change the state legislature from the current two chamber system to a single chamber (unicameral) legislature.	✓			Carry over to 2016 session
SB 1037 <i>Senator Joshua B Green (D)</i> Proposes to establish a mandatory disclosure program for pesticide use by all persons, under certain circumstances.	✓	✓		Carry over to 2016 session
SCR 3 <i>Senator Donovan Dela Cruz (D)</i> Proposes to oppose the U.S. Army's proposed force reduction of Schofield Barracks and Fort Shafter bases. Companion resolution is HCR 3.	✓	✓	✓	Enacted
WASTE				
HB 754 <i>Representative Nicole Lowen (D)</i> Proposes to prohibit establishments from providing food in polystyrene foam containers beginning 1 JAN 16.	✓			Carry over to 2016 session
HB 1245 <i>Representative Sharon E. Har (D)</i> Proposes to establish a pilot program for products that are not easily recycled in Hawaii. Companion bill is SB 180.	✓			Carry over to 2016 session
HCR 143 <i>Representative Feki Pouha (R)</i> Proposes to request the Department of Health to promptly examine all alleged violations in the solid waste recycling industry and to equitably enforce pertinent laws and rules.	✓			Carry over to 2016 session

<i>Hawaii Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
SB 180 <i>Senator Donovan Dela Cruz (D)</i> Proposes to establish a pilot program for products that are not easily recycled in Hawaii. Companion bill is HB 1245.	✓			Carry over to 2016 session
SB 703 <i>Senator Mike Gabbard (D)</i> Proposes to increase the solid waste management surcharge for waste disposal. Establishes a new surcharge for waste at certain waste-to-energy facilities.	✓	✓	✓	Carry over to 2016 session
SB 1325 <i>Senator Maile S.L. Shimabukuro (D)</i> Proposes to require documentation that waste disposal contracts include proof that waste was properly disposed of before payment is made.	✓			Carry over to 2016 session
WATER				
HB 645 <i>Representative Calvin K.Y. Say (D)</i> Proposes to address funding and repair of leaking petroleum underground storage tanks at Red Hill.	✓			Carry over to 2016 session
HB 835 <i>Representative Jarrett Keohokalole (D)</i> Proposes to establish requirements for the Department of Health regarding water quality certification applications.	✓			Carry over to 2016 session
HB 872 <i>Representative Kaniela Ing (D)</i> Proposes to specify that naturally occurring beach sand is not considered a water pollutant if used for beach erosion mitigation and certain related purposes.	✓			Carry over to 2016 session
HB 1325 <i>Representative Joseph Souki (D)</i> Proposes to authorize counties to establish and charge user fees for stormwater management. Companion bill is SB 1310.	✓	✓	✓	Enacted
SB 540 <i>Senator Gilbert Kahele (D)</i> Proposes to specify time limits for regulatory approval/disapproval of section 401 water quality permit applications.	✓			Carry over to 2016 session
SB 1168 <i>Senator Mike Gabbard (D)</i> Proposes to require field-constructed underground storage tanks to meet the same requirements as other underground storage tanks under Hawaii Administrative Rules, Chapter 11-281.	✓			Carry over to 2016 session
SB 1310 <i>Senator Laura Thielen (D)</i> Proposes to authorize counties to establish and charge user fees for stormwater management. Companion bill is HB 1325.	✓	✓		Carry over to 2016 session

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



AIR

PARTICULATE AIR QUALITY STANDARDS The Nevada Division of Environmental Protection (NDEP) is proposing to remove the annual coarse particulate matter (PM10) standard and revise the fine particulate matter (PM2.5) standard to align state standards with federal national ambient air quality standards (NAAQS) currently in effect. The division is also proposing new definitions for direct emissions of PM2.5 and PM10. If adopted, the amendments will be submitted to EPA as a revision to the Nevada State Implementation Plan (SIP). A public workshop was held 10 JUN 15. For more information, click [here](#).

EMISSION REDUCTION CREDIT PROGRAM NDEP is proposing to establish a new voluntary Emission Reduction Credit (REC) program intended to assist in growth and economic development in areas designated nonattainment for NAAQS. The program will provide offsets for a new major stationary source wishing to locate in a nonattainment area or for an existing facility to make a major modification, while at the same time providing air quality benefits. A public workshop was held 7 JUL 15. For more information, click [here](#).

ADOPTION BY REFERENCE NDEP is proposing to adopt into state regulation certain provisions of the federal NSPS, NESHAP, and other federal rules applicable in Nevada that have been adopted by EPA and published in the Federal Register since 1 JUL 13.

LEGISLATIVE DEVELOPMENTS

The [2015 Nevada legislative session](#) began 2 FEB 15 and adjourned 1 JUN 15.

<i>Nevada Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR/CLIMATE CHANGE				
SB 438 <i>Commerce, Labor And Energy Committee</i> Proposes to provide for the development and implementation of a state emissions plan to reduce certain carbon dioxide emissions.	✓			Failed upon adjournment
ENERGY				
AB 32 <i>Taxation Committee</i> Proposes to revise provisions relating to special fuels. Revises taxes, measurements, and recordkeeping.	✓	✓	✓	Enacted
SB 150 <i>Senator Kelvin Atkinson (D)</i> Proposes to create local improvement districts that include an energy efficiency improvement project or a renewable energy project.	✓			Failed upon adjournment
SJR 2 <i>Senator Peter Goicoechea (R)</i> Proposes to urge Congress to share certain funds generated from commercial activity on public lands with the state.	✓	✓	✓	Enacted

<i>Nevada Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
LAND USE				
AB 202 <i>Assemblyman Ira Hansen (R)</i> Proposes to authorize a county board of commissioners to enter into real estate transactions with the federal government. Authorizes the State Land Registrar to transfer state owned property to Mineral County.	✓	✓	✓	Enacted
AB 408 <i>Assemblywoman Michele Fiore (R)</i> Proposes to authorize the county sheriff to enter into an agreement with a federal agency concerning primary responsibility or the exercise of law enforcement authority on land managed by a federal agency. Provides that county sheriffs are the primary law enforcement officers in unincorporated counties.	✓			Failed upon adjournment
AB 423 <i>Transportation Committee</i> Proposes to provide for a study on transportation infrastructure and funding.	✓			Failed upon adjournment
SB 456 <i>Transportation Committee</i> Proposes to revise certain provisions concerning the control and preservation of certain accessory roads. Addresses roads that cross certain federal lands.	✓	✓	✓	Enacted
NATURAL RESOURCES				
AB 34 <i>Government Affairs Committee</i> Proposes to repeal provisions governing certain fire protection districts and fire safety.	✓	✓	✓	Enacted
AB 163 <i>Assemblyman Ira Hansen (R)</i> Proposes to create rangeland fire protection associations.	✓	✓	✓	Enacted
SB 277 <i>Senator Richard Segerblom (D)</i> Proposes to enact the Nevada Environmental Policy Act. Requires state and local agencies to prepare environmental reports that analyze environmental impacts of agency activity and certain private activity.	✓			Failed upon adjournment
OTHER				
AB 146 <i>Assembly Committee On Transportation</i> Proposes to revise provisions governing motor vehicle licensing.	✓	✓	✓	Enacted
SB 179 <i>Senator David R. Parks (D)</i> Proposes to revise provisions exempting manufacturers of electric vehicles from requirements related to franchising.	✓			Failed upon adjournment
WASTE				
SB 122 <i>Senator Moises Denis (D)</i> Proposes to require a contractor to dispose of certain solid waste produced by construction, demolition, or similar work at certain materials recovery facilities.	✓			Failed upon adjournment
SB 297 <i>Senator Joseph P. Hardy (R)</i> Proposes to revise provisions regarding redevelopment plans. Addresses redevelopment associated with abandoned mines or milling facilities on federal lands.	✓	✓	✓	Enacted

<i>Nevada Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
WATER				
AB 415 <i>Natural Resources, Agriculture, And Mining Committee</i> Proposes to revise provisions relating to the use of water in a federal reclamation project. Revises definitions.	✓	✓	✓	Enacted
AB 430 <i>Natural Resources, Agriculture, And Mining Committee</i> Proposes to revise provisions governing channel clearing. Requires the State Engineer to create and maintain a list of proposed maintenance or other projects for a navigable river.	✓			Failed upon adjournment
SB 81 <i>Government Affairs Committee</i> Proposes to revise provisions relating to the management and appropriation of water. Increases management and oversight of groundwater sources and regulates withdrawals.	✓			Failed upon adjournment
SB 89 <i>Natural Resources Committee</i> Proposes to revise provisions regarding expenditures from petroleum cleanup funds.	✓	✓	✓	Enacted
SJR 10 <i>Senator Richard Segerblom (D)</i> Proposes to request the National Research Council of the National Academy of Sciences to conduct an independent scientific and economic analysis of the management of the Colorado River.	✓			Failed upon adjournment

Department of Defense Activity

ENERGY

WAVE ENERGY TEST DELIVERS POWER TO NAVY BASE A test of the potential for wave energy to power onshore facilities has begun generating electricity at the Navy’s Wave Energy Test Site in Kaneohe Bay on Oahu, Hawaii. The Navy, Northwest Energy Innovations (NWEI), and the Department of Energy (DOE) are working with a prototype of the Azura wave energy converter device to produce electricity from the motion of the choppy ocean waters. For more information, click [here](#) to read an article from DefenseCommunit360, [here](#) to view a news article from ClickGreen, or [here](#) to view a press release from NWEI.

NAVY SET TO SURPASS TARGET FOR RENEWABLE ENERGY USE With the Navy on course to meet its goal of producing 1 gigawatt of renewable energy at its installations by 1 JAN 16, five years ahead of schedule, Secretary Ray Mabus is ready to raise the bar. “I’m not satisfied stopping there. We can do better than that over the next five years,” Mabus said at the 2015 GreenGov Symposium in Washington. To increase its shore installations’ reliance on renewables, the Navy is exploring a variety of alternative sources, including solar, wind, geothermal, hydrothermal and wave energy. The Air Force and Army also are striving to produce 1 gigawatt of renewable energy at their installations, but they don’t expect to reach that goal until 2020 at the earliest. To read more, click [here](#).

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR The Navy, as a participating agency in the Final Environmental Impact Statement (EIS) for the Honolulu High-Capacity Transit Corridor Project, announced its decision to adopt the Final EIS and implement several real estate actions in support of the project. Department of Navy real estate actions would involve the conveyance of approximately 1.6 acres of land and the granting of various easements and license agreements to allow for construction and operation of the project. The text of the Record of Decision (ROD) is available [here](#). The Final EIS dated June 2010 and supporting documents are available [here](#).

Federal Activity

For more information or to comment on any issues in the *Western Review*, contact [Mark Mahoney](#), Army Region 9 Environmental Coordinator, (303) 844-0956.

EPA REGULATORY AGENDA EPA published the spring edition of its semiannual [regulatory agenda](#) for 2015 ([80 FR 35081](#)). According to the agenda, in 2015 EPA intends to publish five proposed rules, five final rules, and one notice. The proposed rules would address certification of pesticide applicators, management of pharmaceutical waste, hazardous waste generator rules, hazardous waste export-import, and the hazard ranking system (HRS). For more information, visit [reginfo.gov](#) and click on EPA, then proposed rule, final rule, and notice.

NRC REGULATORY AGENDA The Nuclear Regulatory Commission (NRC) published its semiannual regulatory agenda for 2015 ([80 FR 35169](#)). According to the agenda, NRC intends to publish a notice of proposed rulemaking in 2015 addressing fee structures for small modular power reactors, (Regulation Identifier Number (RIN) 3150-AI54), a final rule amending fee schedules (licensing, inspection, and annual fees) for Fiscal Year (FY) 2015 (RIN 3150-AJ44), and a final rule on low-level radioactive waste disposal (RIN 3150-AI92). In addition, under long-term actions with no date identified, NRC intends to issue an advanced notice of proposed rulemaking [controlling the disposition of solid materials](#). Comments are due 20 JUL 15. For a complete list of all regulatory activities on NRC's regulatory agenda, [click here](#) and select NRC from the picklist.

AIR

AIRCRAFT GHG EMISSIONS In response to a [petition](#), EPA [announced](#) a proposed finding that greenhouse gas (GHG) emissions from aircraft pose a risk to human health. The [endangerment finding and advanced notice of proposed rulemaking](#) are the first step in regulating emissions from the U.S. aviation industry. EPA intends to implement the carbon dioxide (CO₂) emissions standard being developed by the International Civil Aviation Organization (ICAO), which is scheduled to release its CO₂ standard in February 2016. EPA's proposed action does not apply to small piston-engine planes (the type of plane often used for recreational purposes) or to military aircraft. EPA is seeking public input to inform future steps. Public comments will be accepted for 60 days following publication in the Federal Register. Click [here](#) to view a press release or [here](#) to visit EPA's website for aircraft emissions, including a copy of the endangerment finding, fact sheet, and more.

GHG EMISSIONS, FUEL EFFICIENCY FOR MEDIUM & HEAVY-DUTY ENGINES, VEHICLES In advance of publication in the Federal Register, EPA and the U.S. Department of Transportation (DOT) [released](#) the text of Greenhouse Gas Emissions Standards and Fuel Efficiency Standards for Medium and Heavy-Duty Engines and Vehicles that will establish a second phase of GHG emissions and fuel efficiency standards for medium- and heavy-duty vehicles. The standards will phase in incrementally between model years 2021 and 2027. Proposed standards cover combination tractor-trailers, specific types of trailers, trucks, busses, delivery and other vocational vehicles, heavy duty pickup trucks, and vans. Expected decreases in fuel consumption and CO₂ emissions range from 8% (specific trailers) to 24%

(tractor trailer combinations) once fully phased in. The agencies are also proposing separate standards and test cycles for tractor engines, vocational diesel engines, and vocational gasoline engines. The proposed diesel engine standards would reduce CO₂ emissions and fuel consumption by up to 4% compared to Phase 1 standards. Because certain refrigerants are also extremely potent GHGs, the program includes EPA-proposed standards to control leakage of hydrofluorocarbons (HFCs) from air conditioning systems in vocational vehicles.

SIP REVISIONS: SSM EPA is taking final action on a petition that concerns how provisions in EPA-approved SIPs treat excess emissions during periods of startup, shutdown or malfunction (SSM) ([80 FR 33839](#)). In addition, EPA is clarifying, restating, and revising its guidance concerning its interpretation of the Clean Air Act (CAA) requirements with respect to treatment in SIPs of excess emissions that occur during periods of SSM. The agency is issuing a finding that certain SIP provisions in 36 states (applicable in 45 statewide and local jurisdictions) are substantially inadequate and is issuing a SIP call for those 36 states. The deadline for each state to submit its corrective SIP revision is 22 NOV 16.

CALIFORNIA SIP: BUTTE, FEATHER RIVER, SAN LUIS OBISPO EPA is proposing to approve revisions to the Butte County Air Quality Management District, Feather River Air Quality Management District, and San Luis Obispo County Air Pollution Control District portions of the California SIP ([80 FR 33195](#)). The agency is proposing to approve local rules that concern emission statements, definitions, and vehicle and mobile equipment coating operations. The final rule is effective 10 AUG 15 unless the agency receives adverse comment by 13 JUL 15.

CALIFORNIA SIP: EASTERN KERN AND MOJAVE DESERT EPA is approving revisions to the Eastern Kern Air Pollution Control District and Mojave Desert Air Quality Management District portions of the California SIP ([80 FR 32026](#)). The revisions approve local rules that regulate volatile organic compound (VOC) emissions from polyester resin operations and oil-water separators. The final rules are effective 4 AUG 15 unless the agency received adverse comment by 6 JUL 15.

CLEANUP

VAPOR INTRUSION GUIDELINES EPA released two technical guides for assessing and mitigating vapor intrusion at contaminated sites around the country, outlining a process the agency says is a flexible framework that takes into account site-specific circumstances while also promoting consistency. The [primary guide](#) applies to all sites being investigated under various cleanup programs, including Superfund sites, Resource Conservation and Recovery Act (RCRA) corrective action sites, brownfields, and state-led sites pursuant to the Superfund law. The [second guide](#) generally addresses releases of petroleum hydrocarbons from underground storage tanks. According to EPA, the guide recommends a framework for planning and conducting vapor intrusion investigations, rather than a prescriptive step-by-step approach to be applied at every site. Broadly speaking, the guide says there are two levels of vapor intrusion assessments: a preliminary analysis that relies on available and easily ascertainable information to understand initially the potential for human health risks, and a subsequent detailed investigation recommended after the earlier analysis shows vapor-forming chemicals may be present due to subsurface contamination. The guide lists five conditions that must be present for a vapor intrusion pathway to be complete: a subsurface source of vapor-forming chemicals near the building; a route to migrate toward the building; a building susceptible to soil gas entry; vapor-forming chemicals found in the indoor air; and that the building is occupied. For more information, click [here](#).

CLIMATE CHANGE

UNDER 2 MOU On 10 MAY 15, the governors of California, Oregon, Washington, and Vermont and leaders of eight other states and international provinces collectively signed the [Global Climate Leadership Memorandum of Understanding](#) (MOU), also known as "Under 2 MOU." The MOU promotes actions intended to limit the global increase in average temperature to below 2 degrees Celsius. Under the MOU, each state or province commits to either reduce GHG emissions by 80 to 95% below 1990 levels by 2050 or achieve a per capita annual GHG emissions target of less than 2 metric tons of carbon dioxide equivalent (CO₂e) by 2050. Specific agreed-upon activities include:

- Sharing technology, scientific research, and best practices to promote energy efficiency and renewable energy;
- Collaborating to expand the use of zero-emission vehicles;
- Ensuring consistent monitoring and reporting of GHG emissions;
- Improving air quality by reducing pollutants such as black carbon and methane; and
- Assessing the projected impacts of climate change on communities.

ENERGY

GAO REPORT: ENERGY SAVINGS PERFORMANCE CONTRACTS The Government Accountability Office (GAO) issued a report on energy savings performance contracts (ESPCs) at seven federal agencies, covering fiscal years 1995 through 2014 ([GAO-15-432](#)). Agencies reviewed included the Air Force, Army, Navy, DOE, the Departments of Justice and Veterans Affairs, and the General Services Administration (GSA). GAO found that the seven agencies it reviewed conducted limited oversight and evaluation of their ESPC projects. In GAO's sample of 20 projects, agency representatives did not perform some oversight activities included in guidance because they were unaware of these duties or how to perform them, among other reasons. GAO recommended improvements to oversight of ESPC projects through clearer reporting of savings, improved training, and systematic evaluations of portfolios.

ENERGY EFFICIENCY IMPROVEMENTS IN THE 2015 IECC DOE has determined that the 2015 edition of the International Energy Conservation Code (IECC) would improve energy efficiency in buildings relative to the 2012 edition for residential structures ([80 FR 33250](#)). Upon publication of this affirmative determination by DOE, each state is required by statute to certify that it has reviewed the provisions of its residential building code regarding energy efficiency and made a determination as to whether to update its code to meet or exceed the 2015 IECC. Additionally, this notice provides guidance to states on these processes and associated certifications.

SUNZIA TRANSMISSION LINE The developer of a 515-mile high-voltage transmission line from New Mexico to Arizona has proposed rerouting a portion of the project that crosses the northern tip of White Sands Missile Range in an attempt to avoid the need to bury a portion of the line. The project gained the federal government's approval in January after DOD and the Bureau of Land Management (BLM) reached a compromise calling for SunZia to bury five miles of the line to eliminate conflicts with training and weapons testing on White Sands' northern extension. Since January 2015, SunZia has begun discussions with the New Mexico State Land Office and DOD about shifting the transmission line north of White Sands to move most of it out of the range's call-up zone, reported the [Albuquerque Journal](#). So far, it's not clear whether SunZia and the other stakeholders will be able to agree on a new arrangement. To read more, click [here](#).

NATURAL RESOURCES

GULF OF THE FARALLONES AND CORDELL BANK NATIONAL MARINE SANCTUARIES The National Oceanic and Atmospheric Administration (NOAA) provided notice that its [12 MAR 15 final rule](#) expanding the boundaries of the Gulf of the Farallones and Cordell Bank National Marine Sanctuaries became effective 9 JUN 15 ([80 FR 34047](#)). NOAA also announced it is changing the name of Gulf of the Farallones National Marine Sanctuary to Greater Farallones National Marine Sanctuary. The name change was effective 15 JUN 15.

INVASIVE RODENT MANAGEMENT ON U.S. PACIFIC ISLANDS The Fish and Wildlife Service (FWS) announced it intends to prepare a Programmatic Draft Environmental Impact Statement (PDEIS) to analyze the impacts of, and alternatives to, using integrated pest management (IPM) to control or eradicate invasive rodents and mongooses on U.S. Pacific Islands within the National Wildlife Refuge System and in native ecosystems in Hawaii ([80 FR 37286](#)). The PDEIS is for informational and planning purposes to improve and facilitate rodent and mongoose control on federal, state, and private lands through the IPM process; it does not initiate any specific action or project. The lead agencies for preparing the PDEIS, FWS, and the Hawaii Department of Land and Natural Resources (HDLNR) request comments,

recommendations, and advice on the scope of issues, alternatives, and mitigation to be addressed in the PDEIS. Comments are due 28 OCT 15.

SUSTAINABILITY

PLANNING FOR FEDERAL SUSTAINABILITY IN THE NEXT DECADE: IMPLEMENTING INSTRUCTIONS The White House Council on Environmental Quality issued a [77-page guidance document](#) providing the "Implementing Instructions for [Executive Order 13693](#) Planning for Federal Sustainability in the Next Decade." This guidance revokes and supersedes the Instructions for Implementing Executive Order 13423 issued 29 MAR 07. The instruction summarizes current requirements, occasionally contrasting previous requirements, and provides links to additional reference material covering all Executive Order (EO) subject sections.

GUIDELINES FOR DESIGNATING BIOBASED PRODUCTS FOR FEDERAL PROCUREMENT To reflect changes imposed by the 2014 Farm Bill, the U.S. Department of Agriculture (USDA) issued a final rule amending its regulations on designating biobased products for federal procurement ([80 FR 34023](#)). The amended rule provides that "no later than 15 JUN 16 each Federal agency shall establish a targeted biobased-only procurement requirement under which the procuring agency shall issue a certain number of biobased-only contracts."

THREATENED AND ENDANGERED SPECIES

BULL TROUT: RECOVERY UNIT IMPLEMENTATION PLANS FWS announced the availability of six draft recovery unit implementation plans that are part of the recovery plan being developed for the coterminous U.S. population of [bull trout](#) (*Salvelinus confluentus*) ([80 FR 31916](#)). The individual draft plans propose site-specific conservation actions for each of six recovery units (Coastal, Klamath, Mid-Columbia, Columbia Headwaters, Upper Snake, and St. Mary). Comments are due 20 JUL 15. The draft recovery plans are available [here](#).

CRITICAL HABITAT: 135 SPECIES ON HAWAIIAN ISLANDS FWS reopened the public comment period on its proposal to designate or revise critical habitat for 135 plant and animal species on the Hawaiian islands of Molokai, Lanai, Maui, and Kahoolawe ([80 FR 32922](#)). The 135 species include two plant species for which FWS reaffirmed their endangered listing status on [28 MAY 13](#); 37 plant and animal species proposed for listing on [11 JUN 12](#) and subsequently listed as endangered on 28 MAY 13; 11 plant and animal species that are listed as endangered but which do not have critical habitat designations; and 85 plant species that are listed as endangered or threatened and have designated critical habitat, but which the service is proposing to revise. The public comment period ended 25 JUN 15.

TECHNICAL CORRECTIONS TO LIST OF THREATENED AND ENDANGERED SPECIES FWS is revising the taxonomy of four wildlife and 50 plant species in the Hawaiian Islands, Guam, Idaho, and Oregon ([80 FR 35860](#)). The final rule is effective 21 SEP 15 unless the agency receives adverse comment by 21 JUL 15.

GREEN SEA TURTLE FWS and the National Marine Fisheries Service (NMFS) extended the public comment period on their [23 MAR 15 proposal](#) to replace the existing range-wide listing for the [green sea turtle](#) (*Chelonia mydas*) and, in its place, list eight distinct population segments (DPSs) as threatened and three as endangered ([80 FR 34594](#)). The agencies also scheduled additional public hearings Guam, the Commonwealth of the Northern Mariana Islands (CNMI), and American Samoa. The agencies propose to apply existing protective regulations to the eight turtle DPSs. The agencies also announced they will not delist the Hawaiian green turtle, as requested in a petition. Specifically, the agencies are seeking information and comment on whether each of the 11 proposed green turtle DPSs qualify as DPSs, whether listing of each DPS is warranted, and if so, whether they should be classified as threatened or endangered. The public comment period was extended to 27 JUL 15.

WATER

FINAL MSGP FOR INDUSTRIAL DISCHARGES EPA Regions 1, 2, 3, 5, 6, 7, 8, 9, and 10 issued their final 2015 NPDES general permit for stormwater discharges from industrial activity, also referred to as the Multi-Sector General Permit (MSGP) ([80 FR 34403](#)). The permit replaces coverage for stormwater discharges from industrial facilities in EPA Regions 1, 2, 3, 5, 6, 9, and 10 that expired 29 SEP 13 and provides coverage for industrial facilities in areas [where EPA is the NPDES permitting authority](#) in EPA Regions 7 and 8. The MSGP consists of 44 separate regional EPA general permits that may vary from each other based on state or tribal certifications and water quality-based requirements. As with earlier permits, this permit authorizes the discharge of stormwater associated with industrial activities. Industrial dischargers have the option to instead seek coverage under an individual permit. An individual permit may be necessary if the discharger cannot meet the terms and conditions or eligibility requirements in this permit. The permit, effective 4 JUN 15, has been issued for a period of five years. For more information, visit EPA's [MSGP website](#), or view this [fact sheet](#).

MSGP ELECTRONIC REPORTING Facilities covered under the 2015 Federal EPA MSGP are required to [electronically submit](#) notices of intent (NOIs), annual reports, notices of termination (NOTs), discharge monitoring reports (DMRs), and no exposure certifications unless the EPA Regional Office has granted the operator an electronic reporting waiver, in which case the operator may mail the paper forms provided in the [2015 MSGP](#). Operators without an EPA-granted electronic reporting waiver must use:

- [NeT-MSGP](#) (the NPDES eReporting Tool for the MSGP) to electronically prepare and submit NOIs, annual reports, NOTs and no exposure certifications; and
- [NetDMR](#) to electronically prepare and submit DMRs.

For more information, click [here](#).

DEFINITION OF WATERS OF THE U.S. EPA and the U.S. published a final rule defining the scope of waters protected under the CWA ([80 FR 37053](#)). The final rule is considered to be a definitional rule that clarifies the scope of "waters of the United States" consistent with the CWA, Supreme Court precedent, and science. It does not establish any regulatory requirements. Programs established by the CWA, such as the section 402 NPDES permit program, the section 404 permit program for discharge of dredged or fill material, and the section 311 oil spill prevention and response programs, all rely on the definition of "waters of the United States." The final rule is effective 28 AUG 15.

UPDATED AMBIENT WATER QUALITY CRITERIA EPA released final updated recommended ambient water quality criteria for ninety-four chemical pollutants ([80 FR 36986](#)). The updated criteria reflect the latest scientific information and implementation of existing EPA policies found in Methodology for Deriving Ambient Water Quality Criteria for the Protection of Human Health (2000). The criteria provide technical information for states and authorized tribes to establish water quality standards (i.e., criteria) to protect human health under the CWA. The [final 2015 recommendations](#) supersede EPA's previous recommendations.

CYANOBACTERIAL TOXINS IN DRINKING WATER EPA released [10-day health advisories](#) for two cyanobacterial toxins and health effect support documents for three cyanobacterial toxins ([80 FR 34637](#)). The health advisories provide states, drinking water utilities, and the public with information on health effects of microcystins and cylindrospermopsin, analytical methods to test for cyanotoxins in water samples, and treatment technologies to remove cyanobacterial toxins in drinking water. Additionally, EPA released a support document for states and utilities to assist them as they consider whether and how to manage cyanobacterial toxins in drinking water. The [recommendations in the support document](#) are intended to assist public drinking water systems (PWSs) manage the risks from cyanobacterial toxins in drinking water, including information and a framework that PWSs can consider in their cyanotoxin risk management efforts. For more information, visit EPA's website for [drinking water science and regulatory support](#).

POTENTIAL IMPACTS TO DRINKING WATER RESOURCES FROM HYDRAULIC FRACTURING ACTIVITIES EPA released a [draft assessment](#) of the potential impacts of hydraulic fracturing activities on drinking water resources. The assessment, done at the request of Congress, shows that while hydraulic fracturing activities in the U.S. are carried out in a way that have not led to widespread, systemic impacts on drinking water resources, there are potential vulnerabilities in the water lifecycle that could impact drinking water. Vulnerabilities to drinking water resources include:

- Water withdrawals in areas with low water availability;
- Hydraulic fracturing conducted directly into formations containing drinking water resources;
- Inadequately cased or cemented wells resulting in below ground migration of gases and liquids;
- Inadequately treated wastewater discharged into drinking water resources; and
- Spills of hydraulic fluids and hydraulic fracturing wastewater, including flowback and produced water.

STUDY: GROUNDWATER BASINS WORLDWIDE ARE IN DISTRESS According to a new study led by the University of California, Irvine, nearly one third of Earth's largest groundwater basins are being rapidly depleted by human consumption. In a companion paper, the scientists conclude that the total remaining volume of the world's usable groundwater is poorly known, with estimates that often vary widely. After comparing satellite-derived groundwater loss rates to what little data exist on groundwater availability, the researchers found major discrepancies in projected "time to depletion," leading them to the conclusion that total groundwater volume is likely far less than rudimentary estimates made decades ago. Abstracts of the papers are available [here](#) and [here](#).

Professional Development

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. Environmental courses include, but are not limited to:

- Environmental Regulations Practical Application Course (Course Control Number (CCN) 398)
- CERCLA/RCRA Process (CCN 356)
- Hazardous Waste Manifesting & DOT Certification (CCN 223)
- Hazardous Waste Manifesting 16-Hour DOT Recertification Course (CCN 429)
- Radioactive Waste Transport (CCN 441)
- Hazardous/Toxic and Radioactive Waste Construction Inspection (CCN 141)
- Environmental Remediation Technologies (CCN 395)
- Environmental Laws and Regulations (CCN 170)

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

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

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

FEDERAL TRAINING SOURCES

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

- Program development (e.g., environmental management systems, green procurement program);
- Federal and state regulatory requirements for various facility activities;
- Regulatory Watch for information on new or changed laws or regulations;
- P2 opportunities and best management practices;
- EPA enforcement notices;
- Links to state environmental programs;
- Access to [environmental assistance](#);
- Access to free, FedCenter-sponsored courses:
 - [Environmental Compliance for Federal Laboratories](#) (FedCenter membership required);
 - [Environmental Management Systems](#) (FedCenter membership required);
 - [Underground Storage Tanks](#) (FedCenter membership required);
- Environmental [conferences](#), meetings, [training](#), and workshop information;
- Applicable laws and Executive Orders; and
- Industry sector-specific newsletters.

FedCenter also provides member assistance services such as:

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

ONLINE TRAINING: SCHEDULED EVENTS

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

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

FEMP eTRAINING COURSES The Federal Energy Management Program (FEMP) offers interactive, online eTraining courses to help federal agencies develop core competencies and comply with energy-efficiency and renewable-energy water-management and sustainability requirements. FEMP is partnering with the National Institute of Building Sciences' Whole Building Design Guide (WBDG) to host these comprehensive, FEMP-developed eTraining courses.

Promotional materials are available to help federal agencies encourage the completion of FEMP's eTraining courses. For more information about FEMP eTraining courses, contact [Beverly Dyer](#) at (202) 586-7753. The following courses are available:

- [Advanced Electric Metering in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Building Automation Systems for Existing Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Commissioning for Existing Federal Buildings](#) (4.5 hours, .50 CEUs)
- [Energy-Efficient Federal Purchasing](#) (4.5 hours, .50 CEUs)
- [Energy Savings Performance Contracting](#) (8.5 hours, .90 CEUs)
- [Federal On-Site Renewable Power Purchase Agreements](#) (2.5 hours, .30 CEUs)
- [Launching a Utility Energy Services Contract \(UESC\): Getting to Yes!](#) (3 hours, .40 CEUs)
- [Managing Water Assessment in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Measurement and Verification in ESPCs](#) (3 hours, .40 CEUs)
- [Planning an Energy Assessment for Federal Facilities](#) (4 hours, .50 CEUs)
- [Selecting, Implementing, and Funding Photovoltaic Systems in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Sustainable Institutional Change for Federal Facility Managers](#) (3 hours, .40 CEUs)
- [Utility Service Contracts and Energy Project Incentive Funds](#) (90 minutes)

ENERGY STAR WEBCASTS. Among the offerings:

- [Portfolio Manager 101](#) – This webcast demonstrates the core functionality of EPA's Energy Star Portfolio Manager tool. Attendees will learn to navigate the Portfolio Manager, add a property and enter details, enter energy and water consumption data, share properties, generate performance reports to assess progress, and respond to data requests.
- [Portfolio Manager 201](#) – This webcast will explore advanced functionalities of EPA's Energy Star Portfolio Manager tool, including managing and tracking changes to property uses over time; using spreadsheet templates to update property data; setting goals and targets to plan energy improvements for properties; generating and using custom reports; and using the Sustainable Buildings Checklist.

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

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

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

ITRC INTERNET BASED TRAINING The Interstate Technology and Regulatory Council (ITRC) is a state-led coalition working with federal partners, industry, academia, and stakeholders to achieve regulatory acceptance of environmental technologies. In conjunction with EPA's Technology Innovation and Field Services Division, ITRC delivers training courses to reach a geographically dispersed audience of regulators, consultants, and other members

of the environmental community. The training sessions last approximately two hours, cover technical and regulatory information specific to environmental technologies and innovative approaches, and are supported by consensus-based ITRC guidance documents. Visit the site often to view upcoming internet-based training events.

ONLINE TRAINING: AVAILABLE ANYTIME

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

WATER'S IMPACT ON THE ENERGY SECTOR This on-demand webinar from the Department of Energy's Wind Program offers research on the national impacts of water scarcity on the energy sector, including how the expanded use of renewable energy and energy efficiency can help reduce the potential impacts that prolonged droughts will have on the energy sector.

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

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

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

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

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

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

DISTRIBUTED-SCALE RENEWABLE ENERGY PROJECTS: FROM PLANNING TO PROJECT CLOSEOUT This 2.5 hour webinar focuses on the planning and implementation of distributed-scale renewable energy projects (i.e., those smaller than 10

megawatts). The on-demand course outlines a detailed 10-step process from technology screening to project closeout. It explores online tools and resources for renewable energy projects on federal sites.

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

AVERT TUTORIAL This training provides an overview of EPA's Avoided Emissions and generation tool (AVERT). AVERT estimates the potential of energy efficiency/renewable energy (EE/RE) programs to displace electricity system-related SO₂, NO_x, and CO₂ emissions in the continental United States. The tool can be used to evaluate county, state and regional level emissions displaced by energy efficiency and renewable energy programs without the need for specialized resources or electricity system expertise.

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

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

- Module 1: Understanding TMDLs: A Primer for NPDES Permit Writers
- Module 2: Understanding Waste Load Allocation Implementation in Permits: A Primer for TMDL Developers
- Module 3: Understanding TMDLs with Stormwater Sources and the NPDES Stormwater Permitting Process

CLASSROOM/INTERNET TRAINING SOURCES

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

19-20 AUG, JOINT BASE PEARL HARBOR-HICKAM **DOD Native Hawaiian Cultural Communication and Consultation Course** This free course provides valuable information for DOD employees in Hawaii whose work may have an effect on Native Hawaiians and for those already working with Native Hawaiians and Native Hawaiian Organizations. For more information or to register, please contact Mr. [Chris Allen](#) or [Elisia Lukasik](#) by 31 JUL 15.

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How the Regional Offices Work for You

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

To comment on item in the *Western Review*, please contact the Regional Environmental Coordinator listed at the top of each region's section.

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