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California

California ranked second in *The 2017 State Energy Efficiency Scorecard*. The state scored 42 points out of a possible 50, 3 points less than it earned last year. The state has long been a leader in energy efficiency and continues to innovate through ambitious target-setting and forward-thinking policies that have generated clean energy jobs, cut pollution, and lowered utility bills while serving as a model for other states. The state has increased investment in energy efficiency programs in recent years, and in 2017 it convened efforts aimed at doubling energy savings by 2030 and improving access to energy use data.

UTILITIES (13 OUT OF 20)

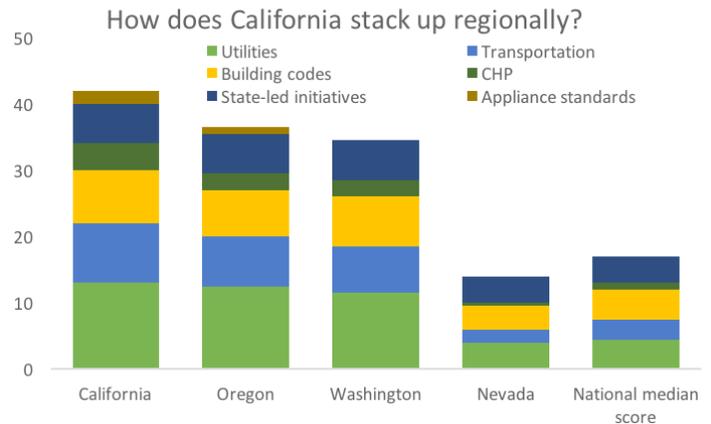
The state has long-term savings targets in place for both electric and natural gas utilities, and in recent years has increased its investments in energy efficiency in schools. The state also has a cap-and-trade program in place that encourages energy efficiency in homes and businesses. As a result, California has realized increasing levels of energy savings and is poised for further success following the recent adoption of SB 350, which requires a doubling of energy savings by 2030. Work to implement SB 350 proceeded throughout the year via multi-party workshops that included efforts to identify barriers to access by low-income customers to energy efficiency and advance efforts to integrate distributed energy resources on the grid. California utilities are fully decoupled, which encourages energy efficiency, and performance incentives are in place for electric and natural gas utilities.

TRANSPORTATION (9 OUT OF 10)

California has some of the most comprehensive transportation and land use planning policies in the nation. The state includes energy efficiency targets within its freight plan and has concrete targets and strategies for reducing vehicle miles traveled.

BUILDING ENERGY EFFICIENCY POLICIES (8 OUT OF 8)

California earned a perfect score in this category. Its energy code is one of the most aggressive and best enforced in the country, and has been a powerful vehicle for advancing energy efficiency standards for building equipment. Many specifications are performance based, offering flexibility for designers. The code also stands out because it includes field verification requirements for certain measures. The recent



adoption of AB 802 strengthens the state's benchmarking program by enabling access to whole building data for buildings above a certain size.

COMBINED HEAT AND POWER (4 OUT OF 4)

California scored the maximum points for its CHP policies. The state has interconnection standards and includes CHP as an eligible technology within its energy efficiency resource standard and renewable portfolio standard. California offers several incentives to encourage cost-effective and efficient CHP installation. In 2016, 19 new CHP installations were completed in California.

STATE GOVERNMENT-LED INITIATIVES (6 OUT OF 6)

California scored a perfect score for its state-led energy efficiency initiatives, which include schools, industry, residential consumers, and the public sector. The state government leads by example, requiring energy-efficient fleets and buildings, and encouraging energy savings performance contracts. The state also conducts a broad range of research focused on advancements in energy efficiency.

APPLIANCE STANDARDS (2 OUT OF 2)

California was the first state in the country to adopt appliance and equipment efficiency standards and continues to take a lead role in creating standards for new devices and equipment. Not only has California adopted the greatest number of standards, but many other states' standards are based on California's. In 2016, California became the first state to approve efficiency standards for laptops, desktop computers, and monitors.

KENSINGTON VETERINARY HOSPITAL

In 2016, the Kensington Veterinary Hospital participated in San Diego Gas and Electric's (SDG&E) Business Energy Solutions program and was recognized as an Energy Showcase Champion. After receiving a free energy audit, owner and veterinarian Patty Ungar, DVM, CVA, worked with SDG&E to install a more efficient HVAC system, LED lighting, a lighting occupancy sensor, programmable thermostats, and more. These upgrades have reduced the hospital's utility bills by 50%. "That's a huge change. It's a win-win for us, for my clients, and for my patients, and for my staff. For a small business, it makes all the difference," said Ungar. Rebates from SDG&E covered 25% of the costs. Dr. Ungar has seen benefits in addition to energy savings, including improved comfort and patient care. "For us, true color is important for things like color of an animal's skin, color of their gums, color of their eyes. The lights are really clean, bright light that gives us really true medical lighting."