

ENERGY AND WATER MANAGEMENT CONSERVATION

[PUSD SPECIFIC – ENTIRE POLICY]

The Governing Board recognizes the importance of minimizing the district's use of natural resources, providing a high-quality environment that promotes health and productivity, and effectively managing the district's fiscal resources. The Governing Board of Pasadena Unified School District embraces energy conservation and believes it to be our responsibility to ensure that every reasonable effort is made to conserve energy and natural resources while exercising sound financial management.

The Board has a desire for the Pasadena Unified School District to become a nationwide institutional leader in energy conservation as part of our social responsibility to respect our natural resources. To that end, the Superintendent or designee shall develop a resource management program which includes strategies for implementing effective and sustainable resource practices, exploring renewable and clean energy technologies, reducing energy and water consumption, minimizing utility costs, reducing the amount of waste of consumable materials, encouraging recycling and green procurement practices, and promoting conservation principles.

(cf. 020 – Goals for the School District)

(cf. 3100 - Budget)

(cf. 3300 - Expenditures and Purchases)

(cf. 3510 – Green School Operations)

(cf. 3511.1 - Integrated Waste Management)

(cf. 3512 - Equipment)

(cf. 6142.5 - Environmental Education)

The Board recognizes the importance of adopting an energy conservation policy to govern this program. The implementation of this policy will be the joint responsibility of the Board, administration, faculty, staff, students, and support personnel. Success is based on cooperation among all groups.

To ensure the overall success of our behavior-based energy conservation program, the following areas will be emphasized:

1. A designated campus Administrator will be accountable for energy conservation on his/her campus with Energy Manager teams conducting energy audits and providing timely feedback.

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2. All personnel at each campus are expected to make a positive contribution to maximize energy conservation and produce real energy savings.
3. The District will implement its energy conservation program primarily through an energy management team led by the Director of Facilities, Maintenance, Operations and Transportation, or their designee, in accordance with “Energy Guidelines” that will be adopted by administration and will define the “rules of engagement” for our energy program.
4. Accurate records of energy consumption and cost will be maintained by the Director of Facilities, Maintenance, Operations and Transportation, or their designee for each campus to provide verifiable performance results on the goals and progress of the energy conservation program.

Further, to promote a safe, healthy learning environment and to complement the energy conservation program, each campus shall review and adhere to the preventive maintenance and monitoring plan administered by the campus physical plant for its facilities and systems, including HVAC, building envelope, and moisture management.

The Superintendent or designee may solicit input from staff, students and parents/guardians regarding the district’s resource management program. The Superintendent or designee shall provide staff and students with training and guidance on best practices to achieve the district’s goals and may establish a reward program to recognize outstanding accomplishments.

(cf. 1150 – Commendation of awards)

Regular inspections of district facilities and operations will be made with recommendations for maintenance and capital expenditures which may help the district reach its conservation and management goals and improve efficiency.

(cf. 7110 - Facilities Master Plan)

(cf. 7111 - Evaluating Existing Buildings)

The Superintendent or designee shall make every effort to identify funding opportunities and cost-reducing incentive programs to help the district achieve its conservation and management goals. The district may coordinate

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with other local or regional entities to capitalize on their expertise and maximize the efficient use of resources, such as through joint use agreements.

(cf. 1330.1 – Joint Use Agreements)

(cf. 1400 – Relations Between Other Governmental Agencies and the Schools)

The Superintendent or designee shall regularly report to the Board on the district's progress in meeting its conservation and resource management goals.

Storm Water Management

To the maximum extent practicable, the district shall reduce the discharge of pollutants into the water system in order to minimize the threat to water quality from storm water runoff.

The Superintendent or designee shall ensure that the district complies with storm water discharge standards specified by an applicable General Permit coverage required by law, including all requirements of the Construction General Permit issued by the State Water Resources Control Board for any project that disturbs one acre or more of soil. (40 CFR 122.34)

(cf. 3514 - Environmental Safety)

(cf. 3514.1 - Hazardous Substances)

(cf. 3514.2 - Integrated Pest Management)

The Superintendent or designee shall develop a storm water management plan that complies with the provisions of the applicable permit and describes best management practices, design strategies, measurable goals, and timetables for implementation in the following areas:

1. Public education and outreach on storm water impacts
2. Public participation, such as participation in adoption and implementation of the plan
3. Illicit discharge detection and elimination, such as maps and programs to detect and eliminate illicit non-storm water discharges
4. Construction site storm water runoff control, such as reviewing construction plans, inspecting sites, and tracking construction

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site runoff, as well as erosion and sediment controls

5. Post-construction storm water management, such as developing design standards for preventing runoff and verifying proper maintenance and operation of control procedures
6. Pollution prevention and good housekeeping, such as evaluating waste disposal, material storage, and equipment-cleaning procedures and spill prevention, including at bus maintenance facilities

The plan and a resolution authorizing its implementation may be submitted to the Board for approval (40 CFR 122.34) For all projects the district shall comply with any city or county ordinance that regulates drainage improvements and conditions. (Government Code 53097)

Emergency Interruption of Services

The Superintendent or designee shall develop a plan to minimize disruption to the educational program in the event of power outages or other emergency interruption of utility services. The plan shall include actions to be taken to facilitate student and staff safety, administrative control of operations, protection of equipment, effective communications and coordination with local fire, police and emergency personnel and utility service providers.

(cf. 0450 – Comprehensive Safety Plan)
(cf. 3516 - Emergencies and Disaster Preparedness Plan)
(cf. 3516.5 Emergency Schedules)

Legal Reference:

EDUCATION CODE

17213.1 – School sites

17280 – Construction of School Buildings

35275 – Coordination of new facilities with recreation and park authorities

41422 - School term or session length, failure to comply due to disaster

46392 - Emergency conditions; ADA estimate

GOVERNMENT CODE

53907 – Local agencies

PUBLIC RESOURCES CODE

25410-25421 - Energy conservation assistance

WATER CODE

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189.3 – Recommendations for best design and use practices
13383 – Compliance with Federal Water Pollution Control Act
13383.5 - Storm water discharge monitoring requirements
CODE OF REGULATIONS, TITLE 23
490-495 – Model Water Efficient Landscape Ordinance
2200 - Discharge permit fees
UNITED STATES CODE, TITLE 33
1342 National pollutant discharge elimination system
CODE OF FEDERAL REGULATIONS, TITLE 40
122.1-122.64 - National pollutant discharge elimination system

Management Resources:

CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS
Guidance for Stormwater and Dry Weather Runoff CAPTURE (California Practices to Use Runoff Efficiently) at Schools, December 2018
Blueprint for Environmental Literacy: Educating Every Student In, About, and For the Environment, 2015
Average Daily Attendance Credit During Periods of Emergency 90-01
Advisory 90-01, rev. February 10, 2005
CALIFORNIA STATE WATER RESOURCES CONTROL BOARD PUBLICATIONS
Guidance for Design and Construction of Vegetated Low Impact Development Projects, 2016
U.S. ENVIRONMENTAL PROTECTION AGENCY PUBLICATIONS
National Management Measures to Control Nonpoint Source Pollution from Urban Areas, 2005
WEB SITES
CSBA: <http://www.csba.org>
Alliance to Save Energy: <http://www.ase.org>
California Department of Education, Facilities: <http://www.cde.ca.gov/ls/fac>
California Department of Water Resources: <http://water.ca.gov>
California Division of the State Architect: <http://www.dgs.ca.gov/DSA>
California Energy Commission: <http://www.energy.ca.gov>
California State Water Resources Control Board: <http://www.swrcb.ca.gov>
California Stormwater Quality Association:
<http://www.casqa.org/resources>
Collaborative for High Performing Schools (CHPS): <http://chps.net>
Green School Yards America: <http://greenschoolyards.org>
U.S. Environmental Protection Agency: <http://www.epa.gov>

Policy

PASADENA UNIFIED SCHOOL DISTRICT

Adopted: October 11, 2011

Pasadena, California

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