

**Mountain View Whisman School District
Resolution No. 05-012623
Climate Change and Green Schoolyards**

WHEREAS, schools in California and nationwide have the potential to effect positive, tangible environmental change while preparing students — in their careers and civic life — to be stewards of their communities, the earth, and its resources; and

WHEREAS, there is broad consensus within the scientific community that human activities contribute to increases in greenhouse gas emissions; and

WHEREAS, climate change is a non-partisan issue and local, state, and national policies should be guided by the best available science; and

WHEREAS, climate change presents a series of governance-related challenges for public agencies, including school districts and county offices of education; and

WHEREAS, climate change is a global issue that can and should be addressed locally; and

WHEREAS, climate change and extreme climate-related events such as wildfires, floods, extreme heat, and public safety power shutoffs — directly impact the physical and economic health of communities in which our students and their families live, while also causing lost learning days; and

WHEREAS, California's Fourth Climate Assessment estimates that if greenhouse gas emissions are not reduced, the average water supply from California's snowpack is projected to decline to 2/3 of historical levels by 2050, and total sea level rise by 2100 is expected to be 54 inches; and

WHEREAS, the Fourth Climate Assessment also finds that action to reduce greenhouse gas emissions which also release criteria air pollutants, including particulate matter, nitrous oxides, and volatile organic compounds — will indirectly improve California's air quality; and

WHEREAS, the California Global Warming Solutions Act of 2016 (Senate Bill 32), called for a reduction of statewide greenhouse gas emissions to 40 percent below 1990 levels by 2030, yet current projections show California is unlikely to reach the target at the current rate; and

WHEREAS, California's agricultural contributions to the U.S. and world economy are impacted by the consequences of climate change; and

WHEREAS, the negative impacts of climate change, including public health and economic consequences, have a disproportionate impact on chronically underserved communities; and

WHEREAS, the implementation of the Next Generation Science Standards provides an opportunity for students to engage in real-world inquiry and application of science skills in understanding and addressing climate change; and

WHEREAS, the clean energy sector presents an economic opportunity for students and the local economy; and

WHEREAS, implementation of sustainable practices on school campuses, capital investments to improve energy efficiency, and other environmentally mindful purchasing decisions can yield significant cost savings for our schools; and

WHEREAS, climate change adaptations of school infrastructure and practices can mitigate the risk of increased natural disasters; and

WHEREAS, California's children and youth have demonstrated leadership and expressed an expectation that their representatives will advocate for their communities' well-being; and

WHEREAS, California students across many grade levels — including those in their early elementary years and all the way up through high school — strive to be environmentally conscious in their daily lives and to be active and engaged leaders in combating global climate change in their community, both now and in the future;

WHEREAS, In alignment with the Board of Education and Superintendent are committed to creating environments where students feel safe, welcome, and excited to learn, and to a strategy that includes developing safe and sustainable green spaces, outdoor learning environments, and shaded areas at each school;

WHEREAS, Campuses can be greened through a variety of approaches, including, but not limited to: planting new grass fields, replacing paved surfaces with permeable surfaces that incorporate native and drought tolerant planting areas, installation of trees, creation of school gardens, and incorporating features that reduce the heat island effect;

WHEREAS, Research has shown that green spaces on or around a school campus are positively associated with reductions in chronic absenteeism (MacNaughton et al., 2017), increased academic achievement (Wu et al., 2014), restored attention capacity, decreased stress levels (Li & Sullivan, 2016), as well as reduced mental fatigue and aggression (Schulman & Peters, 2008);

WHEREAS, Rising temperatures caused by climate change have necessitated responsive greening policies to urgently address conditions such as extreme heat and ensure that students across the District have access to shaded outdoor areas that provide cooler and greener spaces for students to learn, engage, and play every day;

WHEREAS, the California Schoolyard Forest Program, a partnership of CalFire, the California Department of Education, and various nonprofits recommends that at least 30 percent of a school site's areas used by students during the school day be shaded by trees;

WHEREAS the California Collaborative for High Performing Schools recommends that at least 30 percent of each school site be dedicated to green or natural space, in alignment with recommendations from CA-CHPS v2.0 and from Leadership in Energy and Environmental Design (LEED); and,

NOW, THEREFORE BE IT RESOLVED, that the Mountain View Whisman School District establishes the following sustainability and environmental learning goals:

- The District will develop a Greening Index that assigns a “green score” to help identify which schools are most in need of greening resources, to inform and direct our efforts to address inequities through targeted investments and additional resources, and to lay the groundwork for making important planning and funding decisions for future investments in greening campuses;
- That the Board adopts a series of policies reflecting its stance on climate change; and
- MVWSD staff will establish an Environmental Sustainability Advisory Council that reports to the Superintendent or designee; and
- That the Board will adopt a broad Environmental Sustainability Plan that:
 - Reflects a collaborative approach with environmental experts, community-based partners, educators, students, and families, and includes future opportunities for community input as specific site plans are developed to leverage stakeholder voice, promote environmental stewardship, and create learning opportunities for students and families.
 - Outlines a series of Board meetings in which Trustees are asked to prioritize various green initiatives during the designing phase of any new facilities, which could possibly include, but is not limited to:
 - Use of recycled construction materials
 - Reclaiming and recycling water
 - Waste reduction and diversion

- Passive solar/heating solutions
 - Intentional development of sustainable green space
 - Minimal use of hardscape that contributes to increasing on site temperature
- Analyzes existing school facilities to develop a plan to increase green spaces / access to green spaces as determined by the District's future Greening Index; and
- Identifies metrics and accessible ways to track progress towards greening goals, including heat reduction/shade, drought-tolerant planting, stormwater capture, and square footage of soft surfaces and planting on greened schoolyards, waste reduction, and diversion; and
- Seeks to address challenges in realizing greening projects, including barriers that pose additional burdens in terms of costs and time; and
- Begins to replace carbon emitting district vehicles and equipment with "green" vehicles and equipment; and

BE IT FURTHER RESOLVED, MVWSD is committed to identifying opportunities within our curriculum, and providing additional learning and leadership opportunities where possible, that reflect our students' environmental goals for their civic lives and their academic and professional careers; and

BE IT FURTHER RESOLVED, that MVWSD recognizes that there is increasing demand for a skilled workforce in the clean energy and sustainability sectors, and that MVWSD can help meet this demand by providing enriched learning opportunities for our students to prepare for careers in these emerging and important fields; and

BE IT FURTHER RESOLVED, MVWSD will seek out creative and collaborative partnerships that connect our students and staff with local community groups, business leaders, associations, and city and county government in efforts to make our community more environmentally friendly and promote sustainable practices; and

BE IT FURTHER RESOLVED, that MVWSD endeavors to connect with key stakeholders within the community — including student and youth groups — on the importance of local climate action to gather input and identify additional opportunities for student learning and activism; and

BE IT FURTHER RESOLVED, that MVWSD calls on the California Department of Education, the California State Board of Education, and the California Commission on Teacher Credentialing to provide increased opportunities for local educational agencies to promote student learning on the effects of global climate change and identifying solutions; and

BE IT FURTHER RESOLVED, that MVWSD also calls on federal entities, such as the U.S. Departments of Education and Energy, to support the efforts of state and local educational agencies to expand their curriculum and opportunities for student learning on climate and environmental literacy; and

BE IT FURTHER RESOLVED, the Board of Education of MVWSD recommends that a plan of action be presented within 12 to 18 months of the date this resolution is passed; and

BE IT FURTHER RESOLVED, that the MVWSD governing board directs the clerk or executive officer to transmit official copies of this resolution to the following: all student councils in our district, the MVWSD employee labor groups or representatives, all MVWSD PTO/PTA/Education Foundations, the Superintendent of County Schools, the Mountain View City Council members, the Santa Clara County Board of Supervisors, relevant local media outlets, the State Superintendent of Public Instruction, the California State Board of Education, the California School Boards Association, our local California State Legislators, the Congressional Climate Solutions Caucus, and all California members of Congress.

Adopted this _____ day of the month of _____ in the year _____.

Motion made by: _____

Second made by: _____

List members voting "aye:" _____

List members voting "no:" _____

List members absent: _____

List members abstaining: _____

List members not present: _____