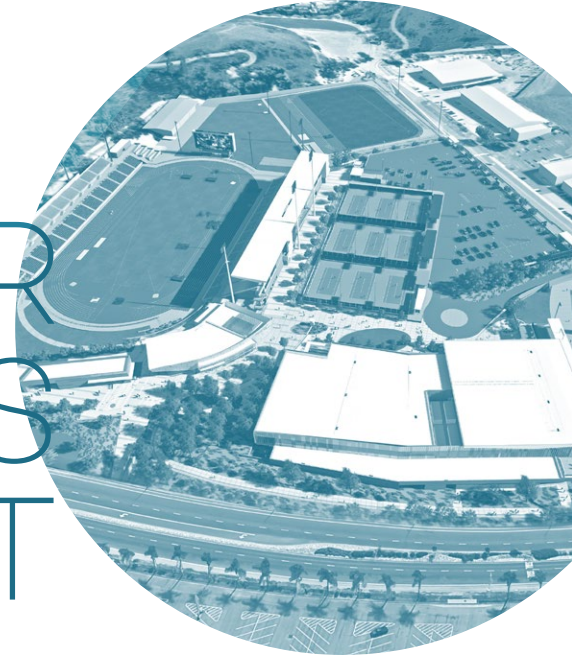


A TRUSTED PARTNER PROVIDES RADICAL CHANGE FOR THE CAMPUS AND PLANET

CLIMATE ACTION PLAN AT MT. SAN ANTONIO COLLEGE



“It was an honor to oversee this initiative for Mt. SAC and be recognized. This was truly a collaborative process that was faculty-led, with student input from start to finish. It’s exciting to see Mt. SAC take such a strong leadership role in climate action.”

Eera Babtiwale

Director of Sustainability,
Mt. San Antonio College

For over three-quarters of a century, HMC Architects has provided innovative, sustainable, and progressive solutions to our clients’ challenges. This dynamic thinking is central to the way we work. When you partner with HMC, you will see the difference in the HMC Experience. These examples demonstrate how Design for Good has positively impacted our clients and communities.

**design
for good.**
HMC
ARCHITECTS

Goals

Greenhouse Gas Reduction

Reduce energy consumption from the 2014 baseline by 20% by the end of 2025, 50% by 2035, and 100% by 2050.

Green Building Standard

Design and construct all new major capital projects (10,000 SF and above) such that they will outperform Title 24 Standards by at least 15%, and all major renovation projects will outperform Title 24 by at least 10%.

Water Use Reduction

Reduce water use per student from the 2014 baseline by 50% by 2030.

Waste Diversion and Management

Achieve Net-Zero Waste by 2050.

Institutionalization

Hire a full-time Sustainability Director by the end of 2018. Secure faculty release time for a Sustainability Coordinator starting fall 2019. Establish a Sustainability Center by 2020.

Curriculum Integration

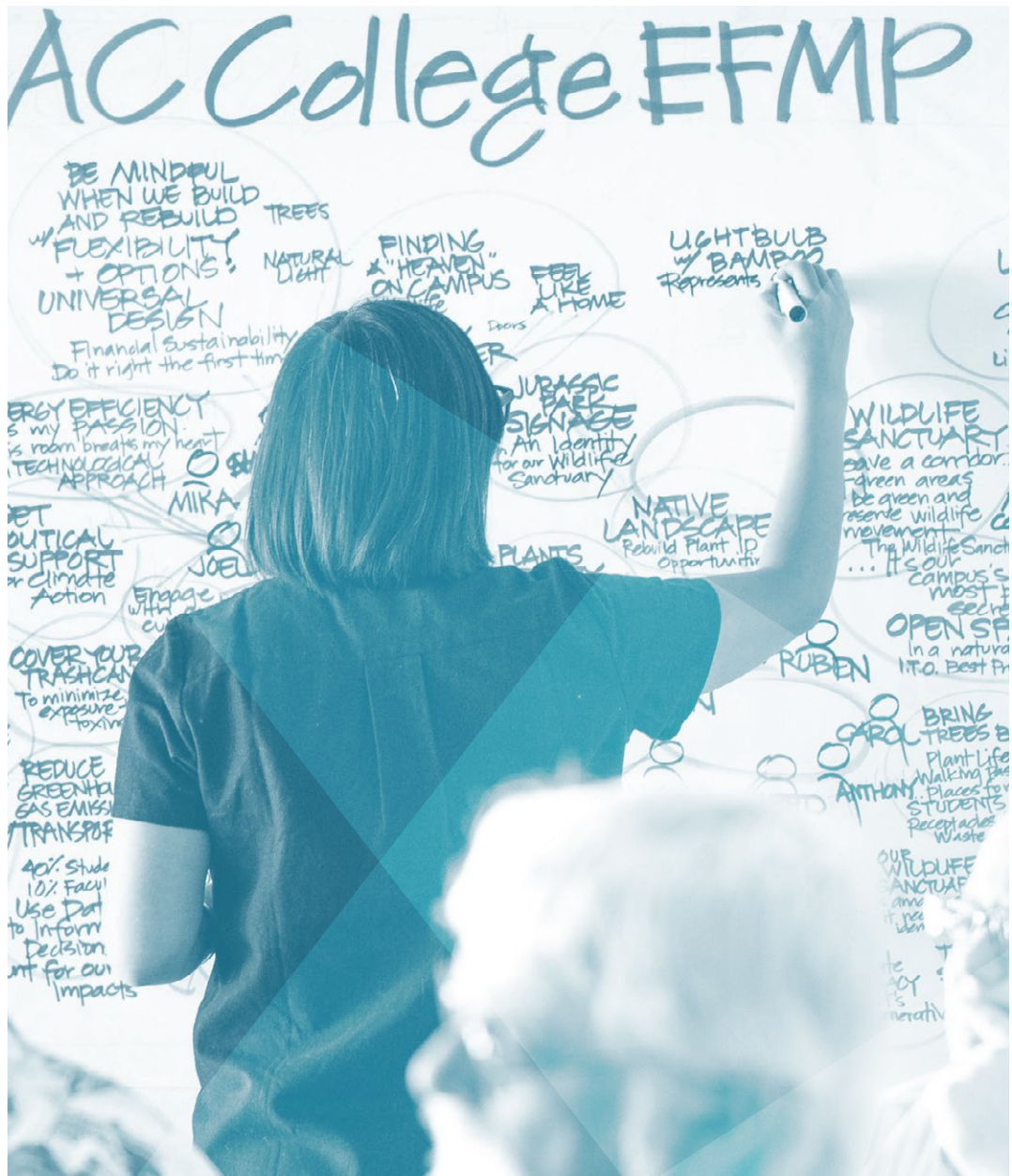
Build sustainability into the educational experience of 50% of students by 2025 and 100% of students by 2035.

Professional Development

Establish professional development in sustainability for all new faculty and adjunct instructors by 2020. Integrate sustainability into the campus Professional Development Plan by 2020. Offer online Sustainability Certificate for faculty by 2020.

Research and Community Outreach

Annually publicize campus sustainability efforts to the surrounding community starting in 2019.



Mt. SAC Climate Action Plan



When embarking on a Facilities Master Plan back in 2014, Mt. SAC's Mika Klein, Senior Facilities Planner, took the bold step to augment the effort to include a Climate Action Plan.

In the fall of 2014, at the urging of faculty and students, Mt. SAC President William Scroggins signed the American College and University Presidents' Commitment on Climate, committing the school to develop a Climate Action Plan. A Climate Commitment Implementation Committee, made up of faculty, students, engineers, and sustainability experts from HMC Architects, was formed to build consensus around the plan and spearhead a collaborative planning process.

HMC, a long-time partner to Mt. SAC, established a clear plan forward and facilitated a process focused on unity and collaboration that has extended well beyond the 2018 publish date. A Climate Action Plan is no small feat, a bold undertaking like this requires a knowledgeable, hard-working, and trusted partner. Mt. SAC looked to HMC to provide guidance and structure. Thankfully, this relationship allowed for lofty goals to crystallize into tangible results for students, faculty, and staff.

To develop the plan, we engaged members of the campus through two conferences, an eco-charette, multiple flex day sessions, expert- and peer-review in-person sessions and document review, consultant contributions, and direct work with the Associated Students Environmental Senate and members of the Environmental Action Group for a Livable Earth (EAGLE) club. Students were involved in data collection for the first greenhouse gas emissions inventory, which helped establish a baseline for carbon emissions. Their involvement continued throughout the drafting, review, and finalization of the plan and document.

Published in 2018, the Climate Action Plan sets standards and recommendations for moving the campus towards carbon neutrality and sustainability — at every level of the institution — by 2050.

Project Information

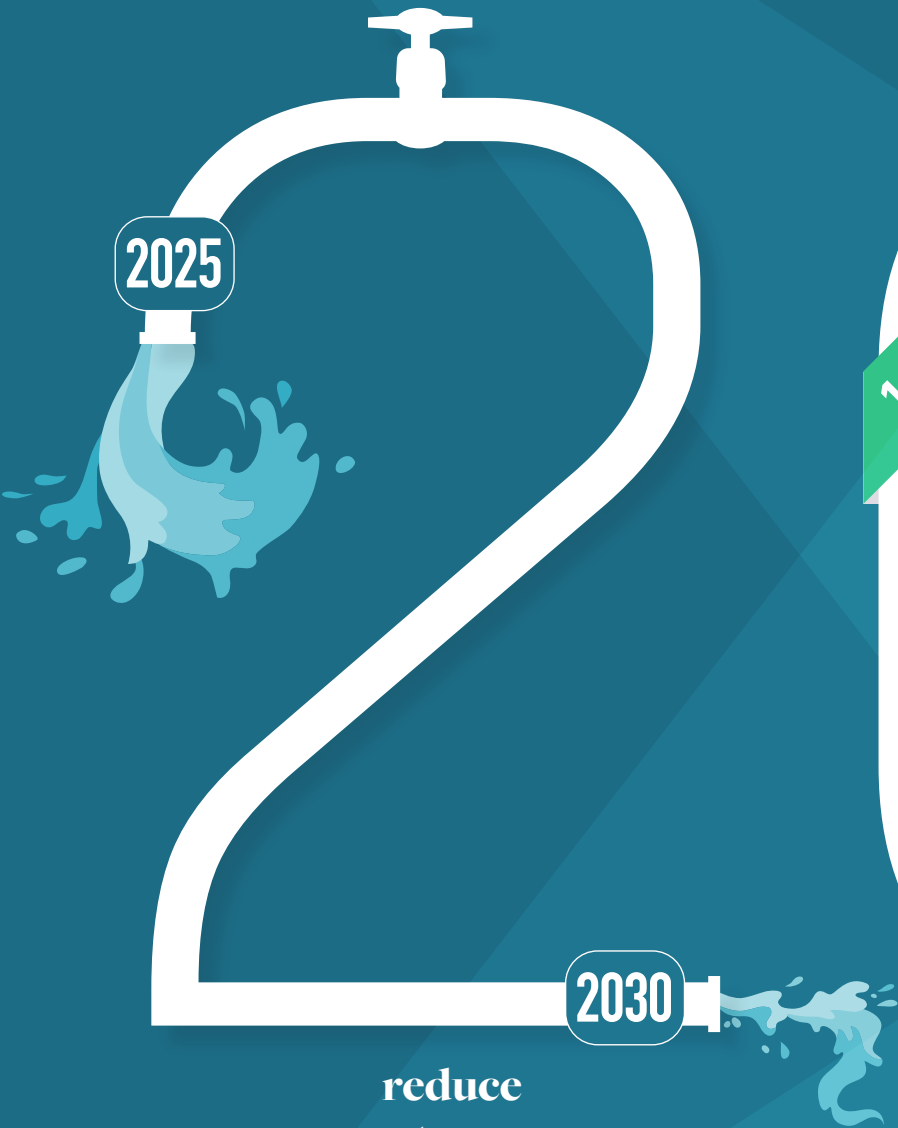
CLIENT:
Mt. San Antonio
College

LOCATION:
Walnut, CA

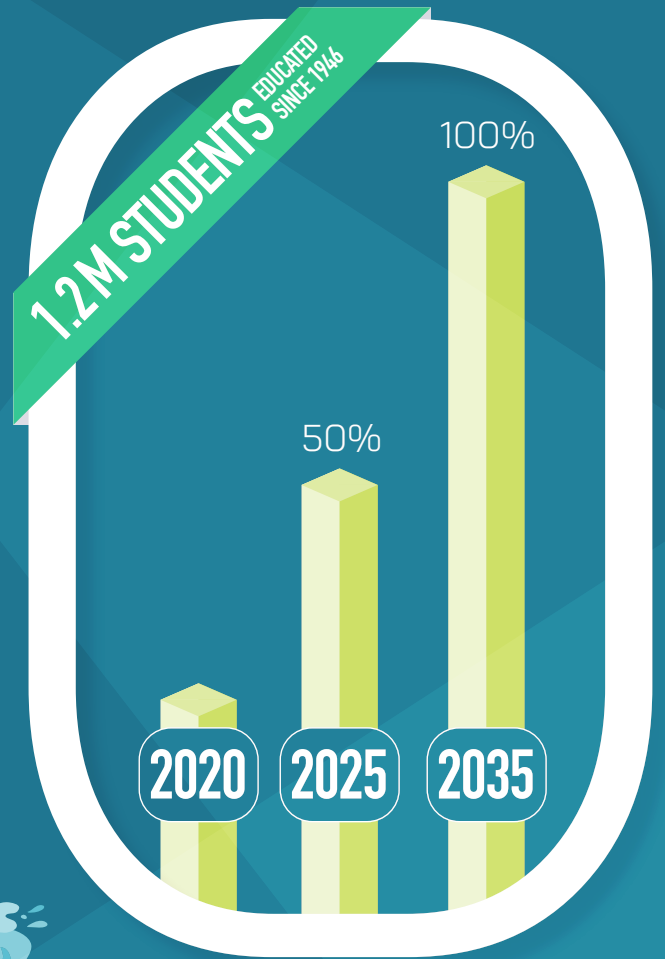
SIZE:
Campus-wide

COMPLETION:
05/2018

A ZERO-WASTE

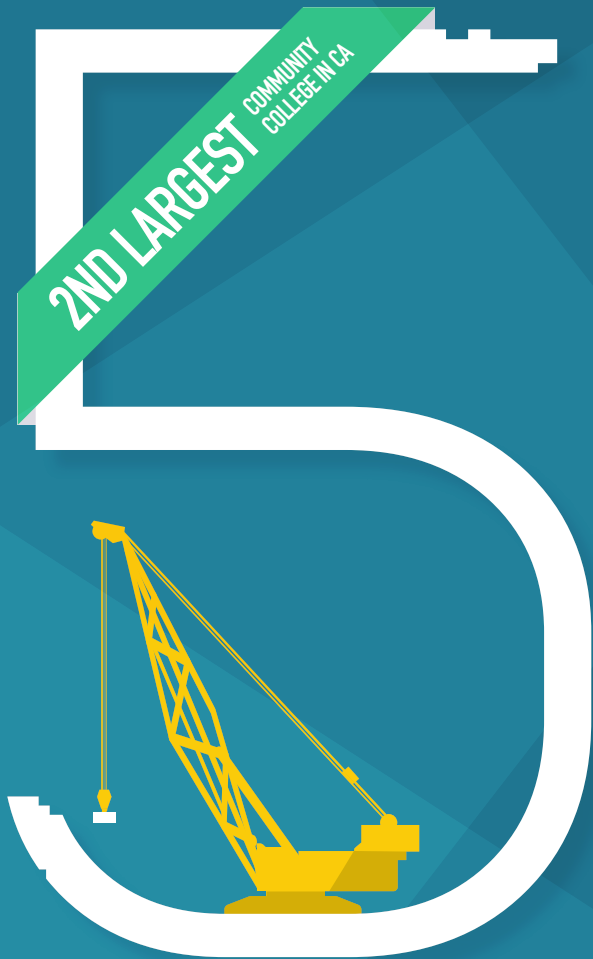


reduce water use
50%
by 2030



integrate sustainability into the curriculum
100%
by 2035

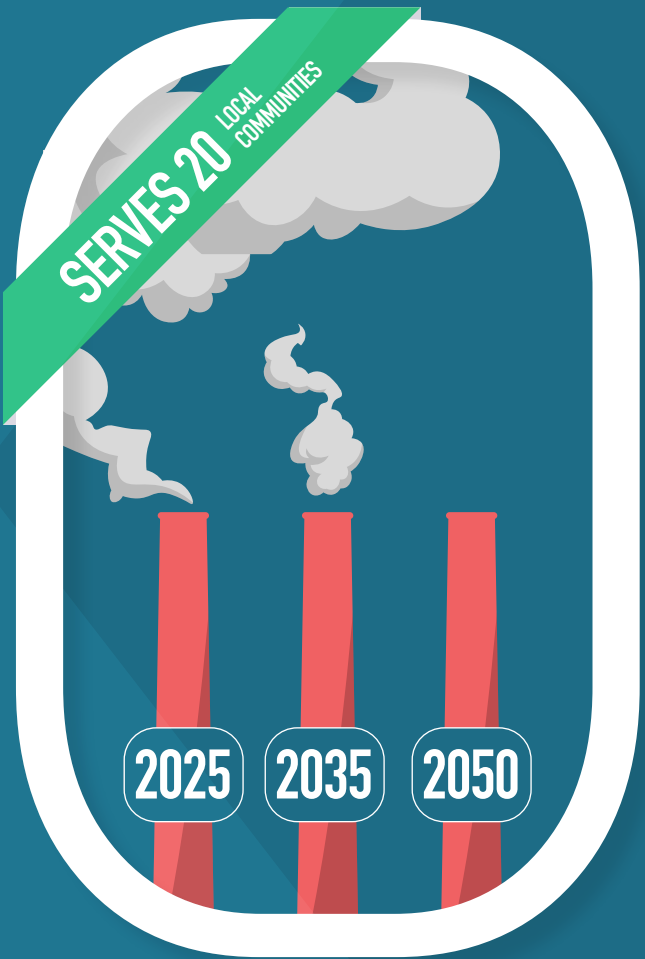
THE CAMPUS BY



outperform
Title 24 by

15%

on all new
construction



reduce
greenhouse gasses

100%

by 2050



The urgency of climate action cannot be understated — heat waves, fires, floods, and hurricanes are in the news daily. Taking action now is imperative. And so, it is imperative that Mt. SAC take action in our teaching, business practices, and social advocacy. This Climate Action Plan is our template and our commitment to do so.”

William T. Scroggins, PH.D.

President and CEO
August 2018

HMC began with a three-step plan, discovery – analysis – documentation, focused on data communicated clearly and tangibly. The process began with a four-hour eco-charrette with faculty, students, and facilities staff where every stakeholder shared their ideas and goals. The charrette provided a solid foundation for collaboration and trust that continues to this day. Then, a series of small focus groups, share-outs, and presentations synthesized a parallel data collection effort. HMC, in partnership with engineering firms P2S and Psomas, sifted through raw data to chart a path forward from goals to outcomes.

HMC and the college then developed a detailed and strategic framework for measuring, planning, and reducing greenhouse gas emissions and related climatic impacts. Broken into seven sections (Executive Summary; Background; Campus Climate Conditions; Institutionalization; Greenhouse Gas Emission Trends; Purchased Electricity, Stationary Emissions, Building Practices, and Reduction Strategies; Transportation, Commuting, Campus Fleet, and Travel), the plan is a robust and bold document for the college.



Mt. SAC is fully committed to fostering a campus-wide culture of sustainability. To achieve this, the Climate Action Plan focuses on three spheres: people, planet, and prosperity, in all practices and policies. From sustainable buildings on campus to embedding sustainability into curriculum offerings to committing to a carbon-neutral future, Mt. SAC is forging a more sustainable outlook for all.

The Climate Action Plan at Mt. SAC goes beyond the typical Energy Use Reduction, Green House Gas Reduction, and Transportation Strategies to transform Mt. SAC's curriculum. Mt. SAC has a long history of educational programming devoted to a range of environmental issues. Faculty across campus are working to incorporate sustainability into their curriculum, as evidenced by initiatives articulated in the 2018 Educational and Facilities Master Plan.

These include offering a Leaf Course for faculty interested in having their class designated as one grounded in sustainable theory and an Environmental Studies Emphasis that combines classroom, laboratory, and field study. Mt. SAC is also developing a Green Industry Certification that will prepare students for a career in natural sciences or further study at an institution of higher learning. The college has even partnered with the Los Angeles Cleantech Incubator (LACI) to provide employment pathways for students who are passionate about finding solutions to the evolving environmental challenges we face.

The plan already has a translational impact that goes beyond policy, serving to guide new development on campus. HMC used its recommendations for energy, water, and waste reduction in the design of the new Athletics Complex, which is currently on track for LEED Gold Certification. Mt. SAC will continue to use this collaboratively developed plan as they transform their campus to better serve their student community. ●

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AWARDS



MT. SAN ANTONIO COLLEGE 2018 CLIMATE ACTION PLAN

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MT. SAN ANTONIO COLLEGE 2018 CLIMATE ACTION PLAN

The Climate Action Plan developed for Mt. SAC by HMC Architects—along with students and staff—was honored with the **Board of Governors of the California Community Colleges Excellence in Energy and Sustainability Award for Faculty and Student Initiatives.**

The plan also won a **California Higher Education Sustainability Conference (CHESC) Energy and Sustainability Best Practice Award.**