

Sustainable Buildings

A policy to guide design and construction as well as operations and maintenance of Santa Clara University buildings

Design and Construction (Including Renovations and Remodels)

Green building rating systems

- Buildings are to be designed to meet or exceed LEED Gold. They do not need to be awarded a LEED certificate, but need to be designed based on LEED standards.

Impacts on the surrounding site

- Minimize the impact on ecosystems and water resources.
- Maximize waste diversion throughout the construction and demolition process.
- Contractors should document weights of construction and demolition material recycled, composted, reused, landfilled, or otherwise disposed to be included in campus yearly waste diversion totals.
- Meet or exceed state stormwater quality provision C.3. as required.
- Use recycled water for all irrigation and landscaping purposes. Where feasible, use recycled water for toilet flushing.
- Each building should have bicycle parking.

Energy consumption & monitoring

- Exceed CA Title 24 standards
- Use reflective white roofing on flat roofs to lower energy consumption through natural cooling processes.
- Use smart systems that automatically monitor heating and cooling in rooms to aid in energy conservation.
- Buildings will have an electricity sub-meter linked to our Utilities energy management system.
- New buildings should have gas sub-meters where appropriate.

Usage of environmentally preferable materials

- Maximize use of recycled/reclaimed materials, as well as materials that can be easily recycled.
- Carpeting must be recycled, reclaimed, reusable, renewable, and/or eco-friendly. Carpeting tiles should be used, where appropriate.
- Avoid vinyl-composite tiles (VCTs) and any materials made of vinyl. Use linoleum, rubber, and/or composite tiles instead of vinyl flooring.

Indoor environmental quality

- Carpeting backing, fibers, adhesives, paints, flooring, and sealants should be no- or low-VOC (volatile organic compound).
- All wood products used in construction also have a low-VOC content and are formaldehyde free.
- Buildings should be equipped with carbon dioxide and carbon monoxide meters to ensure indoor air quality.
- Buildings should be designed to maximize indoor access to daylight and exterior views.

Water consumption & monitoring

- Buildings should be designed to minimize use of water. Examples of features include water bottle filling stations, automatic flush valves, automatic faucets, dual-flush toilets, and low-flow fixtures.
- Buildings should have water sub-meters where appropriate.

Sustainable Buildings

A policy to guide design and construction as well as operations and maintenance of
Santa Clara University buildings

Operations and Maintenance of Existing Buildings

Impacts on the surrounding site

- Minimize the impact on ecosystems and water resources.
- Maximize waste diversion throughout the building. At least once per year, check on waste diversion processes in each building to ensure maximum waste diversion.
- Use recycled water for all irrigation and landscaping purposes.
- Each building should have bicycle parking, add racks where needed.

Energy consumption & monitoring

- Provide ongoing training for users to reduce energy consumption.
- Use reflective white roofing on flat roofs to lower energy consumption through natural cooling processes.
- Every building will have an electricity sub-meter linked to our Utilities energy management system.
- Buildings should have gas sub-meters where appropriate.

Usage of environmentally preferable materials

- Maximize use of recycled/reclaimed materials, as well as materials that can be easily recycled.
- Carpeting must be recycled, reclaimed, reusable, renewable, and/or eco-friendly. Carpeting tiles should be used, where appropriate.
- Avoid vinyl-composite tiles (VCTs) and any materials made of vinyl. Use linoleum, rubber, and/or composite tiles instead of vinyl flooring.
- Cleaning and janitorial products should be Green Seal™ or UL Environment (EcoLogo)™ certified and/or meet similar multi-criteria sustainability standards for cleaning and janitorial products.

Indoor environmental quality

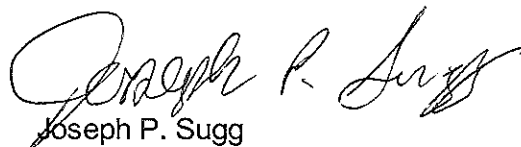
- Carpeting backing, fibers, adhesives, paints, flooring, and sealants should be no- or low-VOC (volatile organic compound).
- All wood products used in construction also have a low-VOC content and are formaldehyde free.
- Buildings should be equipped with carbon dioxide and carbon monoxide meters to ensure indoor air quality.

Water consumption & monitoring

- Fixtures should be updated to reflect the best available standards in water conservation. Examples of include water bottle filling stations, automatic flush valves, automatic faucets, dual-flush toilets, low-flow fixtures (showerheads, faucets, toilets).
- Buildings should have water sub-meters where appropriate.

Ensuring Compliance

University Operations staff share this document with our design and construction firms as well as maintenance staff and contractors to ensure our guidelines are being met. University Operations regularly reviews procedures and monitors campus-wide energy and water consumption, waste diversion rates, and occupant comfort.



Joseph P. Sugg

Assistant Vice President, University Operations