

General Requirements

*Energy and Sustainability Design Requirements

For questions regarding this section contact: Energy
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Part 1 – General

- University is committed to sustainability and energy efficiency and is a signatory of the American Colleges and Universities President Climate Commitment.
- **References:**
 - UA High Performance Design Guidelines: Project must meet or exceed the energy efficiency, water efficiency, renewable energy, commissioning, measurement and verification, occupant education, energy and carbon modeling and LEED certification requirements specified in the High Performance Guidelines.
<http://www.albany.edu/facilities/energy/documents/UA-MinEESustainabilityGoals.pdf>
 - UA Sustainability: Guiding Principles:
http://www.albany.edu/gogreen/1.guiding_principles.shtml.
 - Campus Sustainability Initiatives and Programs: The University has established several programs and standards and is continually developing several others for various components of sustainability including, but not limited to, alternative transportation, recycling, waste management and green purchasing. Project must obtain the updated information from the Director for Environmental Sustainability prior to design start in order to incorporate and support the programs and standards within the project. www.albany.edu/gogreen.
 - Alternative Transportation: <http://www.albany.edu/gogreen/4.transportation.shtml>
 - Food and Dining: http://www.albany.edu/gogreen/4.food_and_dining.shtml
 - Green Purchasing: <http://www.albany.edu/gogreen/4.purchasing.shtml>
 - Recycling and Waste Reduction:
http://www.albany.edu/gogreen/4.recycling_and_waste_reduction.shtml
 - Green Cleaning Policy: <http://www.albany.edu/facilities/energy/documents/UA-Green-Cleaning-Policy.pdf>
 - Executive Orders: Projects must meet or exceed the requirements and align with long-term goals within the Executive Orders.
 - EO111 Directing State Agencies to be More Energy Efficient and Environmentally Aware: “Green and Clean State Buildings and Vehicles”
<http://www.ogs.state.ny.us/purchase/spg/pdfdocs/EO111.pdf>
 - EO4 Establishing a State Green Procurement and Agency Sustainability Program
<http://www.governor.ny.gov/executiveorder/4>
 - EO24 Establishing a Goal to Reduce Greenhouse Gas Emissions Eighty Percent by the year 2050 and Preparing a Climate Action Plan
<http://www.dec.ny.gov/energy/71394.html>
 - Space Heating and Cooling (Temperature Set point) Policy: Project must follow the prescribed temperature setpoints and setbacks when specifying Facility Environmental Requirements.
<http://www.albany.edu/facilities/documents/TempSetPointPolicy.pdf>.
- **LEED Coordinator:** Project design and construction team must each identify one person employed by the firm to coordinate LEED requirements on the project. This person will be the primary point of contact for the University and its LEED consultant (if separate from the design team).
- **Meetings:** At the minimum, one Sustainability Review and Discussion meeting should be conducted during each phase of the design (conceptual, schematic, design development, construction documentation); during pre-bid and pre-construction phases and once every quarter during construction. The University Energy Officer and Director for Environmental Sustainability must be invited to the meetings.



- **Product Substitution and Change Order Requests:** Product substitutions and change order requests that impact the agreed-upon energy and sustainability goals for the project cannot be evaluated and approved on the basis of first costs alone and must consider the energy and environmental impacts based on life cycle analysis.
- **Closeout Documentation and Training:** Provide at least (1) training at close-out to University Energy Officer, Director for Environmental Sustainability and other university personnel as requested on energy and sustainability features incorporated in the building. Provide documentation and assist with preparation of case study highlighting project's energy and sustainability features.

**The following sections are included in this document: 01 25 13, 01 35 63, 01 74 19, 01 78 53, 01 81 13, and 01 81 16*