

**Energy Sustainability Project List.xlsx**

<b>Category</b>	<b>Project</b>
Education	Create a "Green Event" checklist for event planners highlighting local sustainability efforts, resources, & best practices.
Education	Develop a "Sustainability Tour" (physical & virtual) of the College / a Campus
Education	Develop GIS mapping of infrastructure
Education	Develop internal & external messaging around energy efficiency projects & initiatives
Education	Develop, plan, & execute an energy, environment, or sustainability related event on campus
Education	Identify & promote relevant College organizational memberships (e.g., USGBC, AASHE, NCSE) & take advantage of student opportunities available
Education	Identify opportunities for signage material from a student's perspective (e.g., interpretive signs, etc)
Education	Inventory tree/plant species on a campus / in a given area & identify percentage of native species on campus (vs non-natives / weeds / placement / appropriateness)
Emissions	Determine annual faculty/staff commuting miles
Emissions	Determine annual student commuting miles
Energy	Assess / identify vampire loads across the college (e.g., copiers, printers, non-networked printers)
Energy	Assess building envelopes for air exchange - windows, doors
Energy	Audit / Identify personal appliances (e.g., kick-heaters, mini-fridge, fans, humidifier)
Energy	Calculate total carbon footprint of a building/campus/the College
Energy	Create thermal image maps of all buildings
Energy	Determine feasibility of reflective roofs (e.g., white/gray/black)
Energy	Determine maintenance schedule for parking lot lights
Energy	Develop energy conservation messaging
Energy	Identify "small scale" (?) photovoltaic project feasibility - e.g., digital marquees
Energy	Identify exterior light pollution (e.g., dark sky related)
Energy	Identify lights still on in unoccupied spaces by data/day/time (identify locations of occupancy sensors)
Energy	Light level readings
Energy / Education	Create map of parking lot light pole locations (with numbering scheme)
Energy / Sustainability	Develop dashboard to show energy usage & highlight campus green features & projects
Energy / Sustainability	Survey campus footprint of electric vehicles & assess need / desire for charging stations
Energy / water	Assess value of pond fountains; determine alternative ways to aerate pond (e.g., PV powered)
Landscape	Assess current landscaping methods - policies, procedures, equipment, practices
Landscape	Assess stormwater management installations & policy compliance
Landscape	Calculate carbon footprint (emissions) of landscaping vehicles & equipment
Landscape	Cistern / Filtera / Rain Garden .... Identify, assess, recommend for efficient; are plants correct? Maintenance appropriate? - determine maintenance scope of work?
Landscape	Determine feasibility of composting landscape clippings
Landscape	Determine what to do with non-native plants? Do they need to be removed?
Landscape	Identify insect infestations by location & species
Landscape	Identify plant & animal species in campus ponds & vulnerability to landscape management practices
Landscape	Identify pond-edge plantings & assess for appropriateness...

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Landscape	Identify potential / feasibility for stream restoration (LO, MA)
Landscape	Label / identify trees / plants (e.g., barcode?)
Sustainability	Assess value of hybrid fleet vehicles vs traditionally-fueled vehicles
Sustainability	Determine feasibility / benefit of planting trees in parking lot for pavement life-cycle
Sustainability	Determine how to optimize & maintain green roofs (plant species)
Sustainability	Identify grants or other funding opportunities to support energy, environment, sustainability projects
Sustainability	Identify transportation options - ?to encourage use of public transportation?
Waste / Recycling	Conduct a quarterly audit/snapshot analysis to determine NOVA's diversion rate
Waste / Recycling	Conduct a waste sort / audit to identify make-up of NOVA's waste stream
Waste / Recycling	Conduct an audit to identify where waste & recycling bins are needed & should be placed (?optimized routing of pickup?)
Waste / Recycling	Determine feasibility of composting food waste
Waste / Recycling	Develop graphics, educational material to communicate recycling program
Waste / Recycling	Develop internal & external messaging around waste reduction & recycling
Waste / Recycling	Identify opportunities to reduce paper use (tests/Blackboard, banner sheets, etc)
Water	Assess feasibility of drip irrigation systems or reusing on campus water for irrigation
Water	Assess number of bottles avoided by use of the water bottle filling stations
Water	Conduct a taste-test survey to identify whether individuals prefer tap, bottled, or distilled water, or whether they can even tell the difference
Water	Identify & Assess currently installed irrigation systems
Water	Identify rainwater collectors
Water	Identify stormwater flow & destination
Water Conservation	Determine effective messaging to encourage use of water bottle filling stations (reduce/eliminate individual plastic bottles)