

Sustainable City Year Program

2019-20



Planning, Design, Engineering, and Journalism Projects

Project	Outcome
Pettit Property Visioning Design Studio	Landscape architecture students collaborated with city of Silverton staff and residents to create designs for potential future uses of the Pettit Lake property including a public park and income-generating resources for the City. Final design ideas included day-use parks, campgrounds, hiking trails, an amphitheater, and a wildlife interpretation center.
Climate Action Recommendations	Students built upon the Silverton Energy Plan and identified strategies for the city of Silverton to mitigate their climate impact and increase their resiliency. Students developed recommendations for land use and transportation, buildings and energy, food and agriculture, urban natural resources, and consumption and waste. For each topic, students developed an action framework, a strategy for implementation, and a specific design recommendation.
Passive Heating Strategies	Eight student teams analyzed passive heating strategies and proposed design concepts for a proposed new city hall and police station site. Students based their designs on optimal tilts for solar energy-collecting glass, thermal mass goals and sizes, proposed building masses and orientations, and movable insulation solutions.
Design Report: Stormwater Improvements	Students proposed a low impact stormwater design for the City to consider as it expands the city-owned, YMCA-managed community swimming pool parking lot. To choose a preferred alternative, students evaluated existing conditions, collected data, worked through potential design options, and created a selection matrix. Student assessments also included cost estimates to ensure feasibility.
Catalyzing Community Feedback and Engagement in Silverton	Journalism student teams prepared public relations plans to address the City of Silverton's communication needs. The composite six-month plan includes recommendations to increase participation from a variety of demographics and includes an updated community survey, increased social media presence, partnership opportunities with local businesses, and tabling at events to increase communication between the city and its residents.

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