

PHASE 2 : ERB MEMORIAL UNION SOLAR ROOFTOP EXPANSION



Phase two possible rooftops expansion sites

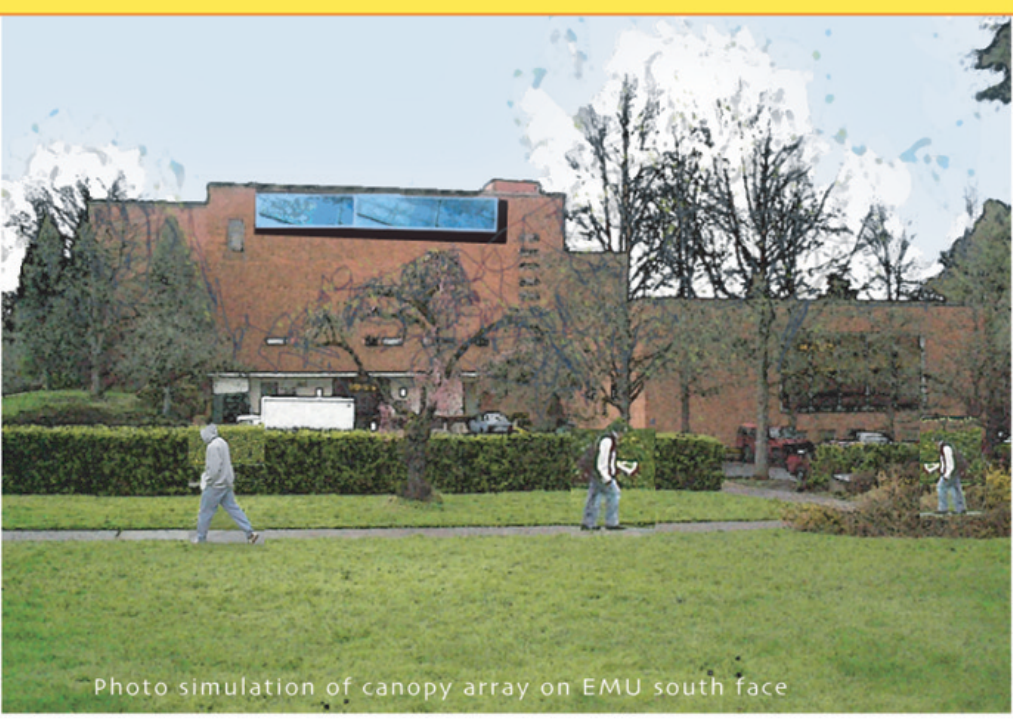
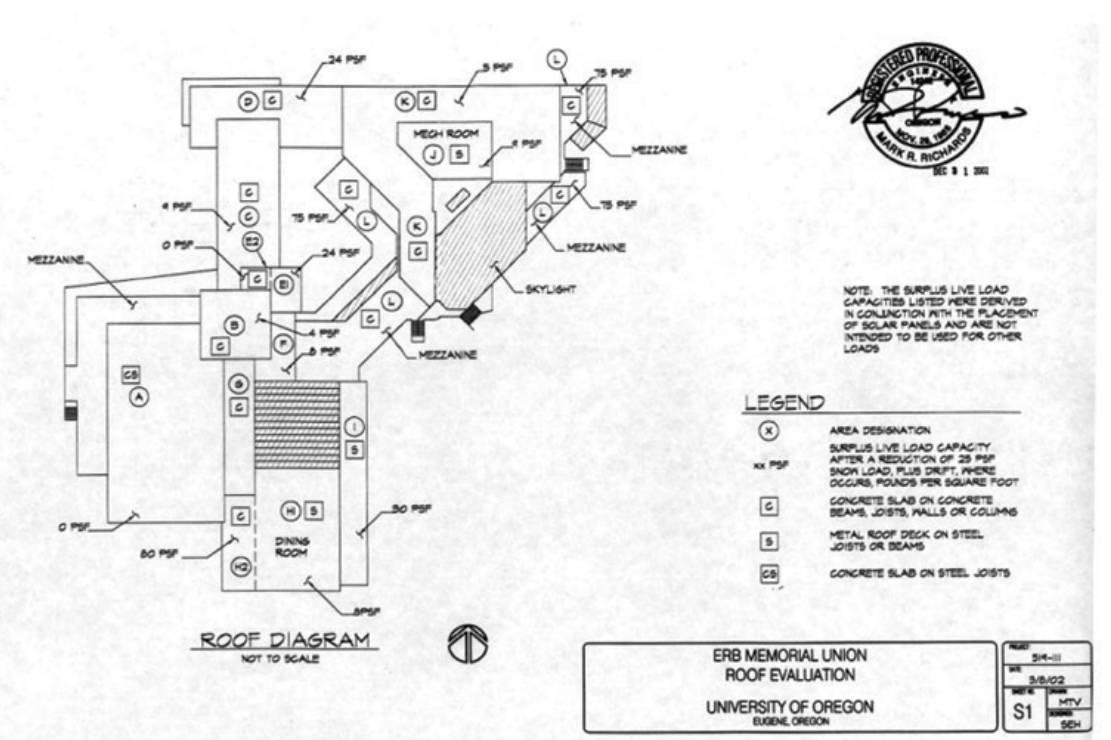


Photo simulation of canopy array on EMU south face

A 20+ KILOWATT SOLAR ARRAY

ROOFTOP EXPANSION SITE ISSUES

- structural capacity
- solar access
- maintenance
- EMU Master Plan
- visibility/aesthetics
- educational potential



Internet image shows roof rack mounting

INTERTIE & PAYBACK

Intertieing with the building/grid allows the EMU to take advantage of EWEB'S premium power purchase package. This system will earn enough \$ to pay for maintenance over time.

ENERGY CONSERVATION

The EDC actively supports and promotes campus-wide efforts to conserve energy.

MONITORING & EDUCATION

Monitoring both energy consumed and produced, as well as linking to other RE systems around the state and solar radiation data will help inform and educate the students and public .

PROJECT GOALS

Demonstrate UO student leadership and commitment to the environment, by producing clean renewable energy for the EMU in a way that educates and inspires the student body and greater community.

PROJECT OBJECTIVES

Gain financial support for the roof top expansion, community funds to pay for educational elements, and a matching sponsorship from an Oregon business that can take advantage of our 15% Oregon State business tax credit for renewables pass-through.

♦ COMMUNITY SUPPORT

- MATCHING FUNDING
- 35% BUSINESS TAX CREDIT PASS-THROUGH
- AWARENESS & PUBLICITY



Internet image shows Powerlight roof modules

SOLAR EMU PROJECT TEAM:

DESIGN AND MANAGEMENT

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FACULTY ADVISORS:

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INSTALLATION TEAM

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OREGON OFFICE OF ENERGY

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SPONSORS

Please let us know if you have any recommendations....

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