

The Energy Reliability and Efficiency Laboratory (EREL)



ORNL's Proposed EREL Will Propel DOE/EERE's Research Agenda Forward

- The R&D proposed for the EREL will support 4 strategically important areas:
 - high temperature superconductivity
 - electricity transmission and distribution
 - distributed energy resources
 - zero-energy buildings
- Highlights of the building from the Conceptual Design Report:
 - 52,000 SF +2,800 SF outdoor laboratory
 - 83% laboratory space, –\$16 million cost
- The EREL will be a showcase for advanced EERE technologies.

The Facility will be a Focal Point for EERE R&D Program Interaction and Integration



Cable Bend Test.

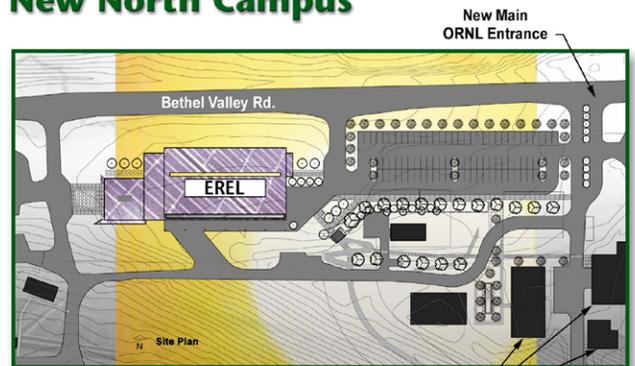
The building will anchor a creative living laboratory fully integrated with other national labs and R&D office workstations around the country.

EREL Supports DOE/EERE's Goal of Leading by Example Through Government's Own Actions



- Certified LEED silver-rated building and energy star office complex
- On-site power generation
- Co-laboratory capabilities

The EREL is the Centerpiece for the New North Campus



What Will the EREL Deliver?

- An accelerated stream of affordable, advanced energy technologies for a stronger economy, healthier environments and more secure future.

