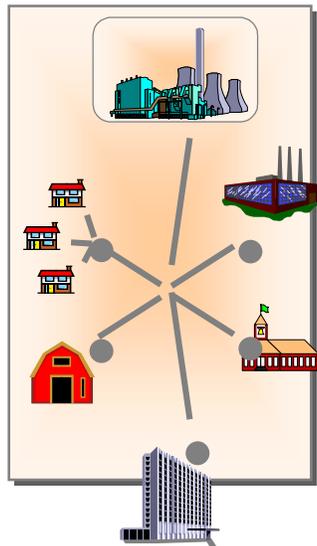


ORNL National Energy Assurance Analysis Center (NEAAC)

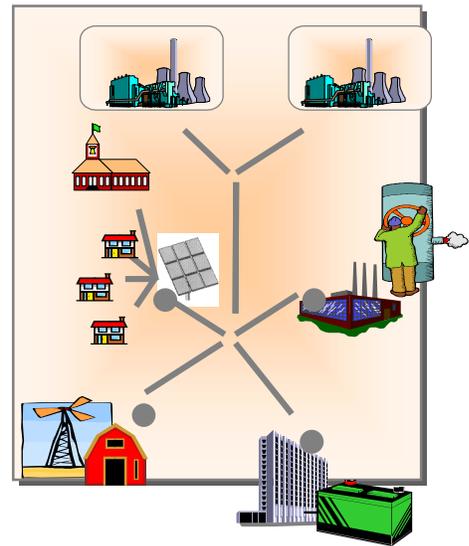
Oak Ridge National Laboratory has had extensive programs over the last thirty years devoted to the development of energy-related technologies, experimental research facilities, models and methods for assessing those technologies and that research. This competence is combined with expertise from other national laboratories, industry, and universities to evaluate issues related to energy assurance in an open, non-classified facility that houses tera-scale computing proficiency/equipment and assimilation of real-time data from energy grid networks. The facility, the National Energy Assurance Analysis Center, is a collaboration with the Oak Ridge Associated Universities to develop an environment where students can be trained specifically on issues related to our nation's need for energy assurance.

NEAAC will also focus on the development of consequence management expertise for future decision makers through interactive training using simulated and actual sensor data related to system interdependencies. By this focus, NEAAC provides a complementary mission to the National Infrastructure Simulation and Analysis Center (NISAC) and helps prepare for future technology insertions as well as policy analysis. The opportunities for leveraging the ORNL open, Center for Computational Sciences (CCS) high-performance computational infrastructure provides a simulation environment for students and faculty and other researchers building energy models of the future.

Current Central Generation



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