VALLEY CAREER
& TECHNICAL CENTER
WHERE PREPARATION MEETS OPPORTUNITY

49 Hornet Road · Fishersville, VA 22939 · (540) 245-5002 or (540) 943-5511· Fax (540) 885-0407

Introduction to Solar Energy Systems

Why are solar panels becoming the latest trend in alternate energy? We will examine the basics of solar energy and overview applications of both solar thermal and solar electric systems. Solar thermal system applications include domestic hot water, space heating, and heating for pools and spas. Solar electric system applications include off-grid (battery-based), grid-tied, and grid interactive systems. We will also go through the steps to design and build your own small scale battery based solar backup system. This class is ideal for those with little to moderate-understanding of energy systems. Bring your questions!

About the instructor: Randy Peltola is the owner and system engineer for Genesis Home and Energy in Waynesboro, which designs, installs and services solar systems in central Virginia. Randy has 20 years of experience as an engineer in the electronic and semiconductor industry. He is a General Contractor and a NABCEP certified PV Installation Professional. He and his family live on small farm in Lyndhurst, where he is pursuing his passion for sustainable living.