

Solar Thermal Case Study

Apartment Building - Baseline Solar



Location: Blacksburg, VA

System Type: Closed Loop, Domestic Hot Water

Building Use: Twelve Unit Apartment Building

Designed & Installed By: Baseline Solar Solutions



System Description: Five Apricus AP-30 solar collectors were installed on the south facing wall of the apartment building. Five heat dissipators were installed on the north wall. The apartment units were plumbed together to form a “district hot water system” and the backup heating is provided by two electric hot water tanks.

Feedback: The cost of utilities is included in all the tenants rent so the system was a sound investment for the buildings owner. Since being commissioned about a year ago, the owner has seen approximately 50% savings in the building’s utility costs. This installation serves as a showcase to clearly demonstrate to other property owners how solar thermal systems can help lower a building’s energy costs.

