

Rensselaer Housing Authority
Solar Collector Feasibility Study
Rensselaer, New York

Owner: Rensselaer Housing Authority

Total Construction Cost: \$20,000.00

Comprehensive analysis and evaluation of Thermosyphon Rapid Recovery Solar System for the domestic hot water system applications. Provided an in-depth evaluation of each collector unit's performance. The feasibility study included theoretical description of the Thermosyphon system, proof of National Certification and evaluation, F-Chart calculations, NYS Energy Code and ASHRAE Requirements, and economic analysis with a payback period satisfying H.U.D.'s regulations for energy conservation measures.

Final task of the feasibility study was to provide the Rensselaer Housing Authority with a conclusion suitable to meet all of their current and future needs. Thus providing improved operating efficiency and overall energy savings.



PLUMB ENGINEERING, P.C.

4 Wolfert Avenue, Albany, New York 12204 Phone: 518-465-6037 Fax: 518-465-5210 E-Mail: Engineers@Plumbpc.com