

Solar Thermal Case Study

Bexar County Jail Annex - Cinco Solar Incorporated



Location: San Antonio, TX

System Type: Direct Feed, Domestic Hot Water

Building Use: Bexar County Jail Annex

Designed & Installed by Cinco Solar Incorporated



System Description: 220 AP-30 solar collectors were installed on the Bexar County Jail complex, The existing six thousand gallon storage tank was modified with a new supply and return piping arrangement and the system is incorporated into the Honeywell building automation and information system. The system supplies virtually all of the water for the kitchen, showers, and bathroom facilities at the Jail.

Feedback: The Bexar County Jail project replaced an existing flat panel drain-back system that froze and failed within eighteen months of installation. The Apricus system was chosen because of it's higher efficiency, lower likelihood of failure and low maintenance requirements. The system is expected to save the jail between \$30,000 and \$60,000 per month.

Solar is clean, renewable and domestic — and it's getting cheaper by the day. We also need it for national security, even if it's through the prism of Bexar County.

- Tommy Adkisson - Bexar County Commissioner

