

# Country Club Village

## Two High-Rise Condominiums

Country Club Village is a 469-unit condominium in Honolulu, Hawaii. Adroit Energy designed and installed two solar hot water systems on two high-rise condominiums.

Adroit Energy, Inc., designed and installed two innovative solar hot water systems for this property. The two high-rise condominium buildings are located in Honolulu, Hawaii. The project was completed in 6 weeks.

Both systems use Haase solar thermal storage tanks connected each to six 199,000 Btu/hr high-efficiency condensing tankless water heaters. The systems also have 360 gallons of backup storage capacity. Both systems have two 119 Gallon Solar Mixing Tanks. Sixteen monitoring and control data points were also installed on each building.



Solar Thermal System Details		
	Building 4	Building 5
Floors	22 Floors	21 Floors
Units	239 Units	230 Units
Collectors	(100) SunEarth EC-40 Solar Thermal collectors	(96) SunEarth EC-40 Solar Thermal collectors
Thermal System Output	288 kWth	277 kWth
Thermal Storage Tank	5,500 Gallon Haase Thermal Energy Storage Tank	(2) 2,600 Gallon Haase Thermal Energy Storage Tanks
Estimated Annual Therms	12,000 Therms	12,000 Therms

*“We decided to go strictly solar hot water. That’s roughly about 50% of our operating costs for the apartment owners anyway. We got a good deal from Adroit and their cohorts who will actually be building the process, and we will have 20 years to retire the debt. Our cost out of pocket the will be virtually zero off the bat, and we will have quite some time to pay it back. The savings will be quite good. It will be a great investment for us, as well as we will have a 20 year guarantee. Thank you again to Adroit!”*

**-Donte Carpenter, HOA President**

