

# ***CPS Energy***

## ***San Antonio, Texas***

### ***3 Home Energy Comparison***

#### ***CP1***

- 86 HERS Index
- Standard vented attic (R38)
- Frame Walls Insulated to R-13
- Single pane, clear glass, metal windows
- SEER 14 air conditioner and 80% gas furnace
- Standard gas tank water heater (EF 0.58)
- All other appliances are electric

#### ***CP2***

- 54 HERS Index
- Sealed attic with R-28 spray polyurethane foam at the roof deck
- Frame Walls Insulated to R-15 + R-3 rigid insulating sheathing
- Energy Star windows  
Uo = 0.34, SHGC = 0.32
- Enhanced air sealing
- SEER 18 heat pump
- Energy Star appliances
- Flourescent lighting package

#### ***CP3***

- 37 HERS Index
- 2.4 kW roof-integrated PV array
- Sealed attic with R-28 spray polyurethane foam at the roof deck
- Frame Walls Insulated to R-15 spray foam + R-3 rigid foam sheathing
- Energy Star windows  
Uo = 0.34, SHGC = 0.32
- Enhanced Air Sealing
- SEER 18 air conditioner and 94% gas furnace
- Energy Star appliances
- Flourescent lighting package

***May 1, 2010 - October 1, 2010***

	<i><b>CP1</b></i>	<i><b>CP2</b></i>	<i><b>CP3</b></i>
Electricity Usage	(kWh)	(kWh)	(kWh)
Condenser Unit	3013.5	1998.1	1014.7
Air Handler	1828.2	301.9	278.6
<i><b>TOTALS</b></i>	<i><b>4841.7</b></i>	<i><b>2300</b></i>	<i><b>1293.3</b></i>