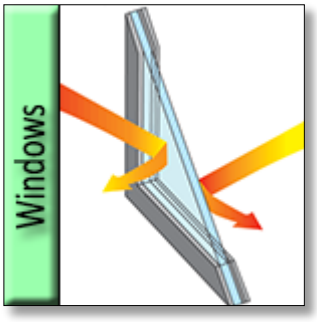
RESIDENTIAL ENERGY ANALYSIS

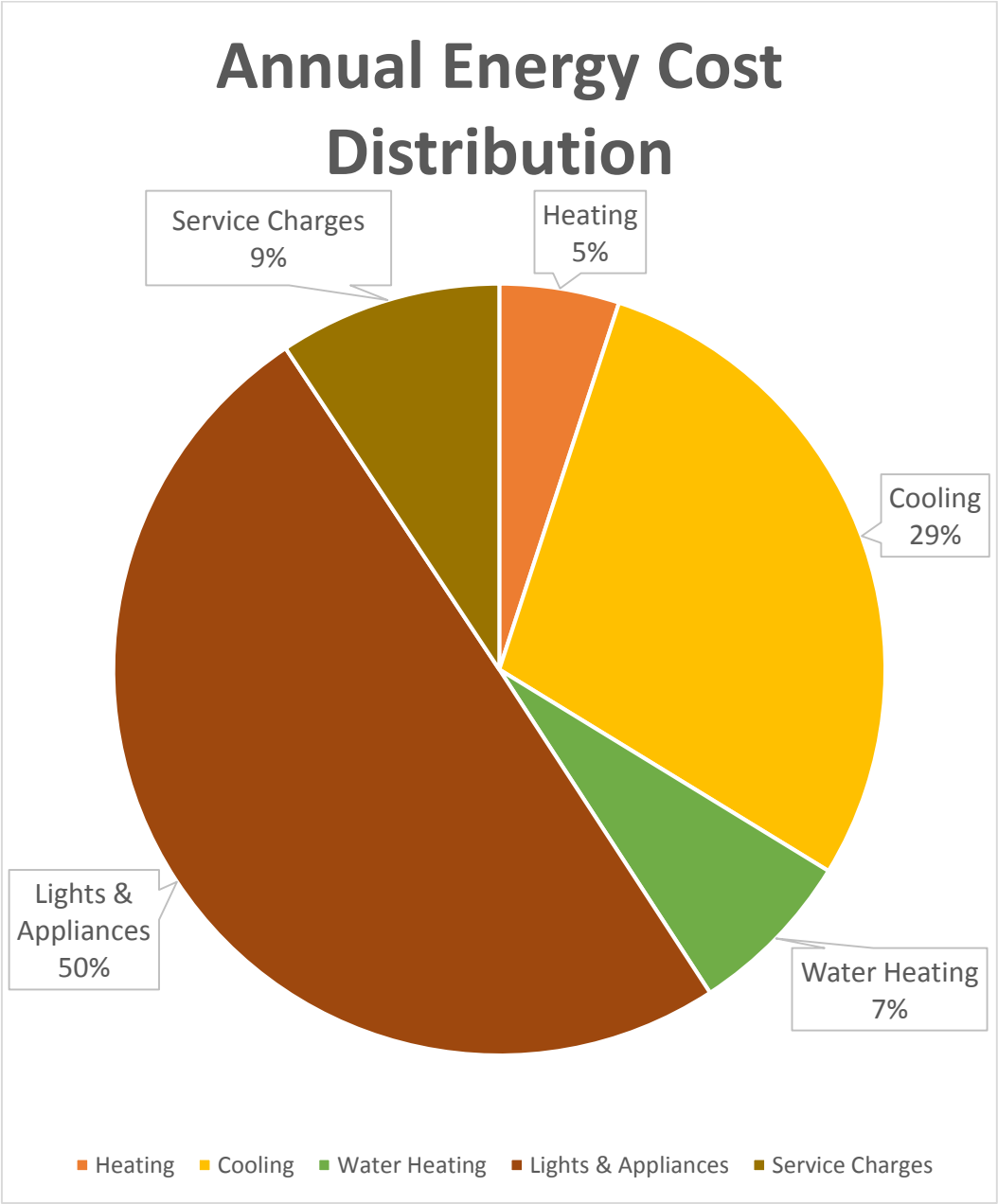
1234 SOUTH CEDAR DRIVE

PHOENIX, ARIZONA

DESIGN BY GREEN TEAM ARCHITECTS

CONSTRUCTION MATERIAL & EQUIPMENT SUMMARY

	**Material**: Blown Cellulose **Wall Type**: 2x6 Framing / **R-Value**: 19 The use of blown cellulose in wall cavities is ideal due to the good thermal resistance (R-Value) as well as the ability to fill gaps and voids via wet-spray application.
	**Material**: Blown Cellulose **Attic Type**: Standard, Vented / **R-Value**: 38 Blown cellulose is an ideal material for insulating attics due to the ability to fill all gaps and voids as well as cover the top of the bottom chord (a thermal short when insulated with fiberglass batts.
	**Frame Type:** Vinyl / **Glazing:** Dual Pane (Low-E) **U-Value:** 0.34 / **SHGC:** 0.20 ENERGY STAR rated windows outperform standard windows with reduced heat transfer and improved air tightness. Highly efficient windows are a major contributor to energy savings.
	**System Type:** Air Source Heat Pump **Specs:** 14 SEER / 8.5 HSPF High efficiency heat pump is more efficient than federal standards with respect to cooling efficiency (SEER) as well as heating efficiency (HSPF). Recommend annual tune ups for long term optimal performance.
	**System Type:** Conventional Electric **Specs:** 50 Gallon Capacity, 0.91 EF Conventional electric hot water heater. For optimal performance, insulate hot water line. Recommend draining annually to remove sediment and improve water quality.



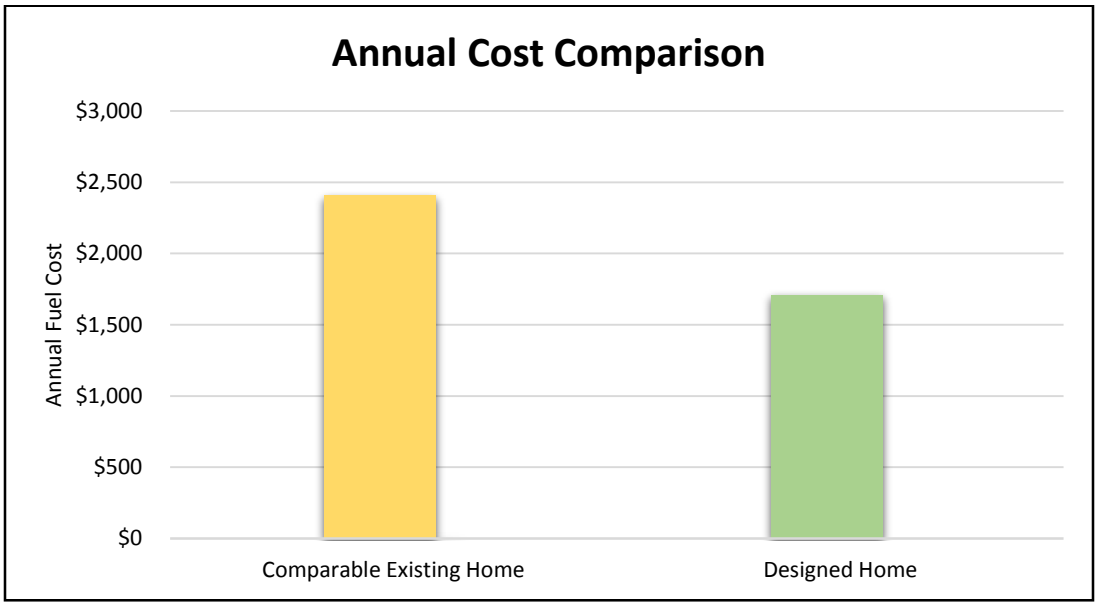
ESTIMATED UTILITY COSTS BASED ON SALT RIVER PROJECT (SRP) RATES:

- HEATING: $86
- COOLING: $492
- WATER HEATING: $121
- LIGHTS & APPLIANCES: $854
- SERVICE CHARGES: $160

- **TOTAL: $1712**

ESTIMATED ANNUAL ENERGY COSTS

COMPARABLE EXISTING HOME	$2408
1234 SOUTH CEDAR DRIVE	$1712



ESTIMATED ANNUAL SAVINGS:

$696

Comparable Existing Home defined as a home within 500 ft^2 of designed home in same climate zone based on the U.S. Energy Information Administration climate zone map. The EIA data comparison uses the latest survey data available (2009 RECS)—this data comes from actual utility bill data across the United States. The comparison assumes that the materials and systems are installed correctly in the design home. Energy analysis uses EPA temperature set points of 68°F (winter) and 78°F (summer). For best results, we recommend you hire a reputable HERS Rater (www.resnet.us) to inspect three phases of construction: frame, insulation and final.