

Domestic Hot Water
Approximate Annual Savings when Solar Hot Water Heating Is Used

Family Size	3	4	5	6	7	8	9	10	11	12	13	14	15	Area
1	28	37	46	55	64	74	83	92	101	110	120	129	138	Phoenix/Mesa
	31	41	51	61	72	82	92	102	113	123	133	143	154	Tempe/Tucson
	32	43	54	65	75	86	97	8	118	129	140	151	161	Sierra Vista
	38	50	63	76	88	101	114	126	139	151	164	177	189	Northern Arizona
2	55	74	92	110	129	147	166	184	202	221	239	258	276	Phoenix/Mesa
	61	82	102	123	143	164	184	205	225	246	266	287	307	Tempe/Tucson
	65	86	108	129	151	172	194	215	237	258	280	301	323	Sierra Vista
	76	101	126	151	177	202	227	252	278	303	328	353	378	Northern Arizona
3	83	110	138	166	193	221	248	276	304	331	359	386	414	Phoenix/Mesa
	92	123	154	184	215	246	277	307	338	369	400	430	461	Tempe/Tucson
	97	129	161	194	226	258	291	323	355	388	420	452	484	Sierra Vista
	114	151	189	227	265	303	341	378	416	454	492	530	568	Northern Arizona
4	110	147	184	221	258	294	331	368	405	442	478	515	552	Phoenix/Mesa
	123	164	205	246	287	328	269	410	451	492	533	574	615	Tempe/Tucson
	129	172	215	258	301	245	288	431	474	517	561	603	646	Sierra Vista
	151	202	252	303	353	404	454	505	555	605	656	706	757	Northern Arizona
5	138	184	230	276	322	368	414	460	506	552	598	644	690	Phoenix/Mesa
	154	205	256	307	359	410	461	512	564	615	666	717	769	Tempe/Tucson
	161	215	269	323	377	431	484	538	592	646	700	754	807	Sierra Vista
	189	252	315	378	441	505	568	631	694	757	820	883	946	Northern Arizona
6	166	221	276	331	386	442	497	552	607	662	717	773	769	Phoenix/Mesa
	184	246	307	369	430	492	553	615	676	738	799	861	922	Tempe/Tucson
	194	258	323	388	452	517	581	646	711	775	840	904	969	Sierra Vista
	227	303	378	454	530	605	681	757	833	908	984	###	###	Northern Arizona

Assumptions: 140 F water set temperature, hot water use 20 gallons/day/person, 84% system efficiency for standby losses.

To determine how much you are spending on water heating per year, divide the appropriate entry by 0.7. For example, a family of 4, using 20 gallons of hot water per day per person, living in Tempe, paying 6 cents/kWh is currently spending $\$246/.07 = \351 on water heating per year