

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,461						
22,800-28,499	2,891	1,948					
28,500-34,199	4,321	3,378	2,435				
34,200-39,899	5,750	4,808	3,865	2,922			
39,900-45,599	7,180	6,237	5,295	4,352	3,409		
45,600-56,999	8,610	7,667	6,725	5,782	4,839	3,896	
57,000-64,499	11,469	10,527	9,584	8,641	7,699	6,756	4,871

16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,663						
22,800-28,499	3,093	2,218					
28,500-34,199	4,523	3,647	2,772				
34,200-39,899	5,952	5,077	4,202	3,326			
39,900-45,599	7,382	6,507	5,631	4,756	3,881		
45,600-56,999	8,812	7,937	7,061	6,186	5,311	4,435	
57,000-64,499	11,671	10,796	9,921	9,045	8,170	7,295	5,544

17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,982						
22,800-28,499	3,411	2,642					
28,500-34,199	4,841	4,072	3,303				
34,200-39,899	6,271	5,502	4,733	3,963			
39,900-45,599	7,701	6,932	6,162	5,393	4,624		
45,600-56,999	9,130	8,361	7,592	6,823	6,054	5,285	
57,000-64,499	11,990	11,221	10,452	9,682	8,913	8,144	6,606

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,104						
22,800-28,499	3,534	2,806					
28,500-34,199	4,964	4,235	3,507				
34,200-39,899	6,393	5,665	4,937	4,208			
39,900-45,599	7,823	7,095	6,367	5,638	4,910		
45,600-56,999	9,253	8,525	7,796	7,068	6,340	5,611	
57,000-64,499	12,112	11,384	10,656	9,927	9,199	8,471	7,014

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,400						
22,800-28,499	3,830	3,200					
28,500-34,199	5,260	4,630	4,001				
34,200-39,899	6,690	6,060	5,430	4,801			
39,900-45,599	8,119	7,490	6,860	6,230	5,601		
45,600-56,999	9,549	8,919	8,290	7,660	7,030	6,401	
57,000-64,499	12,409	11,779	11,149	10,520	9,890	9,260	8,001

Climate Zone 4: Valley Region Corpus Christi Weather Data

Table 2-151: Energy Savings (Cooling kWh) for 12.44 SEER Early Retirement Baseline—Zone 4

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	562						
22,800-28,499	1,836	749					
28,500-34,199	3,111	2,024	937				
34,200-39,899	4,385	3,298	2,211	1,124			
39,900-45,599	5,660	4,573	3,485	2,398	1,311		
45,600-56,999	6,934	5,847	4,760	3,673	2,586	1,498	
57,000-64,499	9,483	8,396	7,309	6,222	5,135	4,047	1,873

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	687						
22,800-28,499	1,962	916					
28,500-34,199	3,236	2,191	1,146				
34,200-39,899	4,511	3,465	2,420	1,375			
39,900-45,599	5,785	4,740	3,695	2,649	1,604		
45,600-56,999	7,060	6,014	4,969	3,924	2,878	1,833	
57,000-64,499	9,609	8,563	7,518	6,473	5,427	4,382	2,291
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	911						
22,800-28,499	2,186	1,215					
28,500-34,199	3,460	2,490	1,519				
34,200-39,899	4,735	3,764	2,793	1,823			
39,900-45,599	6,009	5,039	4,068	3,097	2,127		
45,600-56,999	7,284	6,313	5,342	4,372	3,401	2,430	
57,000-64,499	9,833	8,862	7,891	6,921	5,950	4,979	3,038
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,283						
22,800-28,499	2,558	1,711					
28,500-34,199	3,832	2,986	2,139				
34,200-39,899	5,107	4,260	3,413	2,567			
39,900-45,599	6,381	5,534	4,688	3,841	2,994		
45,600-56,999	7,656	6,809	5,962	5,116	4,269	3,422	
57,000-64,499	10,205	9,358	8,511	7,664	6,818	5,971	4,278

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,418						
22,800-28,499	2,692	1,890					
28,500-34,199	3,967	3,165	2,363				
34,200-39,899	5,241	4,439	3,637	2,835			
39,900-45,599	6,516	5,714	4,912	4,110	3,308		
45,600-56,999	7,790	6,988	6,186	5,384	4,582	3,781	
57,000-64,499	10,339	9,537	8,735	7,933	7,131	6,329	4,726

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,749						
22,800-28,499	3,024	2,332					
28,500-34,199	4,298	3,607	2,916				
34,200-39,899	5,573	4,881	4,190	3,499			
39,900-45,599	6,847	6,156	5,464	4,773	4,082		
45,600-56,999	8,122	7,430	6,739	6,048	5,356	4,665	
57,000-64,499	10,671	9,979	9,288	8,597	7,905	7,214	5,831

Table 2-152: Energy Savings (Cooling kWh) for 10.0 SEER Early Retirement Baseline—Zone 4

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,495						
22,800-28,499	3,080	1,993					
28,500-34,199	4,666	3,579	2,491				
34,200-39,899	6,251	5,164	4,077	2,990			
39,900-45,599	7,837	6,749	5,662	4,575	3,488		
45,600-56,999	9,422	8,335	7,248	6,161	5,073	3,986	
57,000-64,499	12,593	11,506	10,419	9,331	8,244	7,157	4,983

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,620						
22,800-28,499	3,206	2,160					
28,500-34,199	4,791	3,746	2,700				
34,200-39,899	6,377	5,331	4,286	3,241			
39,900-45,599	7,962	6,917	5,871	4,826	3,781		
45,600-56,999	9,547	8,502	7,457	6,411	5,366	4,321	
57,000-64,499	12,718	11,673	10,628	9,582	8,537	7,492	5,401
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,844						
22,800-28,499	3,430	2,459					
28,500-34,199	5,015	4,044	3,074				
34,200-39,899	6,601	5,630	4,659	3,689			
39,900-45,599	8,186	7,215	6,245	5,274	4,303		
45,600-56,999	9,771	8,801	7,830	6,859	5,889	4,918	
57,000-64,499	12,942	11,972	11,001	10,030	9,060	8,089	6,148
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,216						
22,800-28,499	3,802	2,955					
28,500-34,199	5,387	4,540	3,694				
34,200-39,899	6,972	6,126	5,279	4,432			
39,900-45,599	8,558	7,711	6,865	6,018	5,171		
45,600-56,999	10,143	9,297	8,450	7,603	6,757	5,910	
57,000-64,499	13,314	12,468	11,621	10,774	9,927	9,081	7,387

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,351						
22,800-28,499	3,936	3,134					
28,500-34,199	5,521	4,720	3,918				
34,200-39,899	7,107	6,305	5,503	4,701			
39,900-45,599	8,692	7,890	7,089	6,287	5,485		
45,600-56,999	10,278	9,476	8,674	7,872	7,070	6,268	
57,000-64,499	13,449	12,647	11,845	11,043	10,241	9,439	7,835

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,682						
22,800-28,499	4,268	3,576					
28,500-34,199	5,853	5,162	4,470				
34,200-39,899	7,439	6,747	6,056	5,364			
39,900-45,599	9,024	8,333	7,641	6,950	6,259		
45,600-56,999	10,609	9,918	9,227	8,535	7,844	7,153	
57,000-64,499	13,780	13,089	12,398	11,706	11,015	10,324	8,941

Climate Zone 5: West Region El Paso Weather Data

Table 2-153: Energy Savings (Cooling kWh) for 12.44 SEER Early Retirement Baseline—Zone 5

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	370						
22,800-28,499	1,211	494					
28,500-34,199	2,051	1,334	617				
34,200-39,899	2,891	2,174	1,457	741			
39,900-45,599	3,731	3,014	2,298	1,581	864		
45,600-56,999	4,571	3,854	3,138	2,421	1,704	988	
57,000-64,499	6,251	5,535	4,818	4,101	3,385	2,668	1,235

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	453						
22,800-28,499	1,293	604					
28,500-34,199	2,133	1,444	755				
34,200-39,899	2,973	2,284	1,595	906			
39,900-45,599	3,814	3,124	2,435	1,746	1,057		
45,600-56,999	4,654	3,965	3,276	2,586	1,897	1,208	
57,000-64,499	6,334	5,645	4,956	4,267	3,578	2,889	1,510
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	601						
22,800-28,499	1,441	801					
28,500-34,199	2,281	1,641	1,001				
34,200-39,899	3,121	2,481	1,841	1,202			
39,900-45,599	3,961	3,321	2,681	2,042	1,402		
45,600-56,999	4,801	4,161	3,522	2,882	2,242	1,602	
57,000-64,499	6,482	5,842	5,202	4,562	3,922	3,282	2,003
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	847						
22,800-28,499	1,687	1,130					
28,500-34,199	2,528	1,970	1,412				
34,200-39,899	3,368	2,810	2,252	1,695			
39,900-45,599	4,208	3,650	3,092	2,535	1,977		
45,600-56,999	5,048	4,490	3,933	3,375	2,817	2,259	
57,000-64,499	6,728	6,170	5,613	5,055	4,497	3,940	2,824

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	936						
22,800-28,499	1,776	1,248					
28,500-34,199	2,616	2,088	1,560				
34,200-39,899	3,456	2,928	2,400	1,872			
39,900-45,599	4,296	3,768	3,240	2,712	2,184		
45,600-56,999	5,136	4,608	4,080	3,552	3,024	2,496	
57,000-64,499	6,817	6,288	5,760	5,232	4,704	4,176	3,120

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,154						
22,800-28,499	1,994	1,539					
28,500-34,199	2,834	2,379	1,923				
34,200-39,899	3,674	3,219	2,763	2,308			
39,900-45,599	4,514	4,059	3,603	3,148	2,693		
45,600-56,999	5,354	4,899	4,444	3,988	3,533	3,077	
57,000-64,499	7,035	6,579	6,124	5,668	5,213	4,757	3,846

Table 2-154: Energy Savings (Cooling kWh) for 10.0 SEER Early Retirement Baseline—Zone 5

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	985						
22,800-28,499	2,030	1,314					
28,500-34,199	3,076	2,359	1,642				
34,200-39,899	4,121	3,404	2,687	1,971			
39,900-45,599	5,166	4,449	3,732	3,016	2,299		
45,600-56,999	6,211	5,494	4,778	4,061	3,344	2,628	
57,000-64,499	8,301	7,584	6,868	6,151	5,435	4,718	3,285

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,068						
22,800-28,499	2,113	1,424					
28,500-34,199	3,158	2,469	1,780				
34,200-39,899	4,203	3,514	2,825	2,136			
39,900-45,599	5,248	4,559	3,870	3,181	2,492		
45,600-56,999	6,294	5,604	4,915	4,226	3,537	2,848	
57,000-64,499	8,384	7,695	7,006	6,317	5,627	4,938	3,560
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,216						
22,800-28,499	2,261	1,621					
28,500-34,199	3,306	2,666	2,026				
34,200-39,899	4,351	3,711	3,071	2,431			
39,900-45,599	5,396	4,756	4,116	3,477	2,837		
45,600-56,999	6,441	5,801	5,162	4,522	3,882	3,242	
57,000-64,499	8,531	7,892	7,252	6,612	5,972	5,332	4,052
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,462						
22,800-28,499	2,507	1,950					
28,500-34,199	3,552	2,995	2,437				
34,200-39,899	4,598	4,040	3,482	2,925			
39,900-45,599	5,643	5,085	4,527	3,970	3,412		
45,600-56,999	6,688	6,130	5,572	5,015	4,457	3,899	
57,000-64,499	8,778	8,220	7,663	7,105	6,547	5,990	4,874

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,551						
22,800-28,499	2,596	2,068					
28,500-34,199	3,641	3,113	2,585				
34,200-39,899	4,686	4,158	3,630	3,102			
39,900-45,599	5,731	5,203	4,675	4,147	3,619		
45,600-56,999	6,776	6,248	5,720	5,192	4,664	4,136	
57,000-64,499	8,867	8,338	7,810	7,282	6,754	6,226	5,169

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,769						
22,800-28,499	2,814	2,359					
28,500-34,199	3,859	3,404	2,948				
34,200-39,899	4,904	4,449	3,993	3,538			
39,900-45,599	5,949	5,494	5,038	4,583	4,127		
45,600-56,999	6,994	6,539	6,083	5,628	5,173	4,717	
57,000-64,499	9,085	8,629	8,174	7,718	7,263	6,807	5,896

Heating, New Construction or Replace-on-Burnout of a Heat Pump

Table 2-155 through Table 2-159 present the energy savings (kWh) for heating load types associated with a central heat pump being installed during new construction or replacing a burned-out central heat pump for all five Texas climate zones.

The rightsizing savings specified in the tables below are only applicable to replace-on-burnout projects. New construction projects are not eligible to receive deemed savings for system rightsizing.¹⁷²

¹⁷² For projects using a custom baseline see TRMv6.0 Volume 4.

Climate Zone 1: Panhandle Region, Amarillo Weather Data

Table 2-155: Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 1

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	125						
22,800-28,499	1,134	167					
28,500-34,199	2,142	1,175	209				
34,200-39,899	3,150	2,184	1,217	251			
39,900-45,599	4,158	3,192	2,225	1,259	292		
45,600-56,999	5,167	4,200	3,234	2,267	1,301	334	
57,000-64,499	7,183	6,217	5,250	4,284	3,317	2,351	418
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	203						
22,800-28,499	1,211	271					
28,500-34,199	2,220	1,279	339				
34,200-39,899	3,228	2,287	1,347	406			
39,900-45,599	4,236	3,296	2,355	1,414	474		
45,600-56,999	5,244	4,304	3,363	2,423	1,482	542	
57,000-64,499	7,261	6,320	5,380	4,439	3,499	2,558	677
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	346						
22,800-28,499	1,355	462					
28,500-34,199	2,363	1,470	577				
34,200-39,899	3,371	2,478	1,586	693			
39,900-45,599	4,379	3,487	2,594	1,701	808		
45,600-56,999	5,388	4,495	3,602	2,709	1,816	924	
57,000-64,499	7,404	6,511	5,618	4,726	3,833	2,940	1,155

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	475						
22,800-28,499	1,484	634					
28,500-34,199	2,492	1,642	792				
34,200-39,899	3,500	2,650	1,800	951			
39,900-45,599	4,508	3,658	2,809	1,959	1,109		
45,600-56,999	5,517	4,667	3,817	2,967	2,117	1,267	
57,000-64,499	7,533	6,683	5,833	4,984	4,134	3,284	1,584

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	535						
22,800-28,499	1,543	713					
28,500-34,199	2,552	1,722	892				
34,200-39,899	3,560	2,730	1,900	1,070			
39,900-45,599	4,568	3,738	2,908	2,078	1,248		
45,600-56,999	5,576	4,746	3,916	3,087	2,257	1,427	
57,000-64,499	7,593	6,763	5,933	5,103	4,273	3,443	1,783

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	592						
22,800-28,499	1,600	789					
28,500-34,199	2,608	1,797	987				
34,200-39,899	3,617	2,806	1,995	1,184			
39,900-45,599	4,625	3,814	3,003	2,192	1,381		
45,600-56,999	5,633	4,822	4,011	3,200	2,389	1,578	
57,000-64,499	7,650	6,839	6,028	5,217	4,406	3,595	1,973

Climate Zone 2: North Region, Dallas / Ft. Worth Weather Data

Table 2-156: Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 2

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	71						
22,800-28,499	626	94					
28,500-34,199	1,180	649	118				
34,200-39,899	1,735	1,204	673	141			
39,900-45,599	2,290	1,759	1,227	696	165		
45,600-56,999	2,845	2,314	1,782	1,251	720	189	
57,000-64,499	3,954	3,423	2,892	2,361	1,829	1,298	236
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	115						
22,800-28,499	669	153					
28,500-34,199	1,224	708	191				
34,200-39,899	1,779	1,262	746	229			
39,900-45,599	2,334	1,817	1,301	784	267		
45,600-56,999	2,889	2,372	1,855	1,339	822	306	
57,000-64,499	3,998	3,482	2,965	2,448	1,932	1,415	382
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	195						
22,800-28,499	750	260					
28,500-34,199	1,305	815	326				
34,200-39,899	1,860	1,370	880	391			
39,900-45,599	2,415	1,925	1,435	946	456		
45,600-56,999	2,969	2,480	1,990	1,500	1,011	521	
57,000-64,499	4,079	3,589	3,100	2,610	2,120	1,631	651

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	268						
22,800-28,499	823	357					
28,500-34,199	1,378	912	447				
34,200-39,899	1,933	1,467	1,002	536			
39,900-45,599	2,487	2,022	1,556	1,091	626		
45,600-56,999	3,042	2,577	2,111	1,646	1,180	715	
57,000-64,499	4,152	3,686	3,221	2,755	2,290	1,825	894

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	302						
22,800-28,499	857	402					
28,500-34,199	1,411	957	503				
34,200-39,899	1,966	1,512	1,058	604			
39,900-45,599	2,521	2,067	1,613	1,158	704		
45,600-56,999	3,076	2,622	2,167	1,713	1,259	805	
57,000-64,499	4,186	3,731	3,277	2,823	2,369	1,914	1,006

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	334						
22,800-28,499	889	445					
28,500-34,199	1,444	1,000	556				
34,200-39,899	1,998	1,555	1,111	668			
39,900-45,599	2,553	2,110	1,666	1,223	779		
45,600-56,999	3,108	2,664	2,221	1,777	1,334	890	
57,000-64,499	4,218	3,774	3,331	2,887	2,443	2,000	1,113

Climate Zone 3: South Region, Houston Weather Data

Table 2-157: Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 3

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	46						
22,800-28,499	405	62					
28,500-34,199	764	420	77				
34,200-39,899	1,123	779	436	92			
39,900-45,599	1,481	1,138	794	451	108		
45,600-56,999	1,840	1,497	1,153	810	466	123	
57,000-64,499	2,558	2,214	1,871	1,527	1,184	841	154

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	75						
22,800-28,499	434	100					
28,500-34,199	792	458	125				
34,200-39,899	1,151	817	483	150			
39,900-45,599	1,510	1,176	842	508	174		
45,600-56,999	1,869	1,535	1,201	867	533	199	
57,000-64,499	2,586	2,252	1,919	1,585	1,251	917	249

9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	127						
22,800-28,499	486	170					
28,500-34,199	845	529	212				
34,200-39,899	1,204	888	571	255			
39,900-45,599	1,563	1,246	930	614	297		
45,600-56,999	1,921	1,605	1,289	973	656	340	
57,000-64,499	2,639	2,323	2,006	1,690	1,374	1,058	425

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	175						
22,800-28,499	534	233					
28,500-34,199	893	592	292				
34,200-39,899	1,251	951	650	350			
39,900-45,599	1,610	1,310	1,009	709	408		
45,600-56,999	1,969	1,668	1,368	1,067	767	466	
57,000-64,499	2,687	2,386	2,086	1,785	1,485	1,184	583

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	197						
22,800-28,499	556	263					
28,500-34,199	915	621	328				
34,200-39,899	1,273	980	687	394			
39,900-45,599	1,632	1,339	1,046	753	459		
45,600-56,999	1,991	1,698	1,405	1,111	818	525	
57,000-64,499	2,709	2,415	2,122	1,829	1,536	1,243	656

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	218						
22,800-28,499	577	290					
28,500-34,199	935	649	363				
34,200-39,899	1,294	1,008	722	436			
39,900-45,599	1,653	1,367	1,081	794	508		
45,600-56,999	2,012	1,726	1,439	1,153	867	581	
57,000-64,499	2,729	2,443	2,157	1,871	1,585	1,299	726

Climate Zone 4: Valley Region Corpus Christi Weather Data

Table 2-158: Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 4

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	31						
22,800-28,499	271	41					
28,500-34,199	512	282	52				
34,200-39,899	752	522	292	62			
39,900-45,599	993	762	532	302	72		
45,600-56,999	1,233	1,003	773	543	313	82	
57,000-64,499	1,714	1,484	1,254	1,023	793	563	103
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	50						
22,800-28,499	290	67					
28,500-34,199	531	307	83				
34,200-39,899	771	548	324	100			
39,900-45,599	1,012	788	564	341	117		
45,600-56,999	1,252	1,028	805	581	357	134	
57,000-64,499	1,733	1,509	1,286	1,062	838	614	167
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	85						
22,800-28,499	326	114					
28,500-34,199	566	354	142				
34,200-39,899	807	595	383	171			
39,900-45,599	1,047	835	623	411	199		
45,600-56,999	1,287	1,075	864	652	440	228	
57,000-64,499	1,768	1,556	1,344	1,132	920	709	285

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	117						
22,800-28,499	358	156					
28,500-34,199	598	397	195				
34,200-39,899	838	637	436	234			
39,900-45,599	1,079	877	676	475	273		
45,600-56,999	1,319	1,118	917	715	514	313	
57,000-64,499	1,800	1,599	1,397	1,196	995	793	391

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	132						
22,800-28,499	372	176					
28,500-34,199	613	416	220				
34,200-39,899	853	657	460	264			
39,900-45,599	1,094	897	701	504	308		
45,600-56,999	1,334	1,138	941	745	548	352	
57,000-64,499	1,815	1,618	1,422	1,225	1,029	833	440

9.7+ HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	146						
22,800-28,499	386	195					
28,500-34,199	627	435	243				
34,200-39,899	867	675	484	292			
39,900-45,599	1,108	916	724	532	341		
45,600-56,999	1,348	1,156	964	773	581	389	
57,000-64,499	1,829	1,637	1,445	1,254	1,062	870	487

Climate Zone 5: West Region El Paso Weather Data

Table 2-159: Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 5

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	73						
22,800-28,499	643	98					
28,500-34,199	1,213	668	122				
34,200-39,899	1,783	1,238	692	147			
39,900-45,599	2,353	1,807	1,262	716	171		
45,600-56,999	2,923	2,377	1,832	1,286	741	195	
57,000-64,499	4,063	3,517	2,972	2,426	1,881	1,335	244
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	119						
22,800-28,499	689	158					
28,500-34,199	1,259	728	198				
34,200-39,899	1,828	1,298	768	237			
39,900-45,599	2,398	1,868	1,338	807	277		
45,600-56,999	2,968	2,438	1,908	1,377	847	317	
57,000-64,499	4,108	3,578	3,047	2,517	1,987	1,456	396
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	202						
22,800-28,499	772	270					
28,500-34,199	1,342	840	337				
34,200-39,899	1,912	1,410	907	405			
39,900-45,599	2,482	1,980	1,477	975	472		
45,600-56,999	3,052	2,550	2,047	1,545	1,042	540	
57,000-64,499	4,192	3,689	3,187	2,685	2,182	1,680	675

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	278						
22,800-28,499	848	370					
28,500-34,199	1,418	940	463				
34,200-39,899	1,988	1,510	1,033	556			
39,900-45,599	2,558	2,080	1,603	1,126	648		
45,600-56,999	3,127	2,650	2,173	1,696	1,218	741	
57,000-64,499	4,267	3,790	3,313	2,835	2,358	1,881	926

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	313						
22,800-28,499	883	417					
28,500-34,199	1,453	987	521				
34,200-39,899	2,023	1,557	1,091	626			
39,900-45,599	2,592	2,127	1,661	1,195	730		
45,600-56,999	3,162	2,697	2,231	1,765	1,300	834	
57,000-64,499	4,302	3,837	3,371	2,905	2,440	1,974	1,043

9.7+ HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	346						
22,800-28,499	916	461					
28,500-34,199	1,486	1,031	577				
34,200-39,899	2,056	1,601	1,147	692			
39,900-45,599	2,626	2,171	1,717	1,262	807		
45,600-56,999	3,196	2,741	2,286	1,832	1,377	923	
57,000-64,499	4,335	3,881	3,426	2,972	2,517	2,063	1,153

Heating, Replace-on-Burnout—Replacement of an Electric Resistance Furnace

Table 2-160 through Table 2-164 present the energy savings (kWh) per heating load type associated with a central heat pump replacing on burnout an electric resistance furnace for all five Texas climate zones. In each table, the capacity of the efficient unit is represented in the columns and the capacity of the existing unit is represented in the rows. The savings are in the intersection of the appropriate efficient and existing capacities. Replacements where there has been no change in capacity are highlighted in light blue and bold text.

Climate Zone 1: Panhandle Region, Amarillo Weather Data

Table 2-160: Energy Savings (Heating kWh) for 3.41 HSPF Baseline—Zone 1

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	6,193						
22,800-28,499	9,224	8,257					
28,500-34,199	12,254	11,288	10,321				
34,200-39,899	15,285	14,319	13,352	12,386			
39,900-45,599	18,316	17,349	16,383	15,416	14,450		
45,600-56,999	21,346	20,380	19,414	18,447	17,481	16,514	
57,000-64,499	27,408	26,442	25,475	24,509	23,542	22,576	20,643
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	6,271						
22,800-28,499	9,301	8,361					
28,500-34,199	12,332	11,392	10,451				
34,200-39,899	15,363	14,422	13,482	12,541			
39,900-45,599	18,394	17,453	16,512	15,572	14,631		
45,600-56,999	21,424	20,484	19,543	18,603	17,662	16,722	
57,000-64,499	27,486	26,545	25,605	24,664	23,724	22,783	20,902

9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	6,414						
22,800-28,499	9,445	8,552					
28,500-34,199	12,475	11,583	10,690				
34,200-39,899	15,506	14,613	13,720	12,828			
39,900-45,599	18,537	17,644	16,751	15,858	14,966		
45,600-56,999	21,568	20,675	19,782	18,889	17,996	17,104	
57,000-64,499	27,629	26,736	25,843	24,951	24,058	23,165	21,379

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	6,543						
22,800-28,499	9,573	8,724					
28,500-34,199	12,604	11,754	10,905				
34,200-39,899	15,635	14,785	13,935	13,085			
39,900-45,599	18,666	17,816	16,966	16,116	15,266		
45,600-56,999	21,696	20,847	19,997	19,147	18,297	17,447	
57,000-64,499	27,758	26,908	26,058	25,208	24,359	23,509	21,809

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	6,602						
22,800-28,499	9,633	8,803					
28,500-34,199	12,664	11,834	11,004				
34,200-39,899	15,695	14,865	14,035	13,205			
39,900-45,599	18,725	17,896	17,066	16,236	15,406		
45,600-56,999	21,756	20,926	20,096	19,266	18,437	17,607	
57,000-64,499	27,818	26,988	26,158	25,328	24,498	23,668	22,008

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	6,659						
22,800-28,499	9,690	8,879					
28,500-34,199	12,721	11,910	11,099				
34,200-39,899	15,752	14,941	14,130	13,319			
39,900-45,599	18,782	17,971	17,160	16,350	15,539		
45,600-56,999	21,813	21,002	20,191	19,380	18,569	17,758	
57,000-64,499	27,875	27,064	26,253	25,442	24,631	23,820	22,198

Climate Zone 2: North Region, Dallas / Ft. Worth Weather Data

Table 2-161: Energy Savings (Heating kWh) for 3.41HSPF Baseline—Zone 2

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,533						
22,800-28,499	5,241	4,710					
28,500-34,199	6,950	6,419	5,888				
34,200-39,899	8,659	8,128	7,596	7,065			
39,900-45,599	10,368	9,836	9,305	8,774	8,243		
45,600-56,999	12,076	11,545	11,014	10,483	9,951	9,420	
57,000-64,499	15,494	14,963	14,432	13,900	13,369	12,838	11,775

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,576						
22,800-28,499	5,285	4,769					
28,500-34,199	6,994	6,477	5,961				
34,200-39,899	8,703	8,186	7,669	7,153			
39,900-45,599	10,412	9,895	9,378	8,862	8,345		
45,600-56,999	12,120	11,604	11,087	10,570	10,054	9,537	
57,000-64,499	15,538	15,021	14,505	13,988	13,471	12,955	11,921

9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,657						
22,800-28,499	5,366	4,876					
28,500-34,199	7,075	6,585	6,095				
34,200-39,899	8,784	8,294	7,804	7,314			
39,900-45,599	10,492	10,003	9,513	9,023	8,534		
45,600-56,999	12,201	11,711	11,222	10,732	10,242	9,753	
57,000-64,499	15,619	15,129	14,639	14,150	13,660	13,170	12,191

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,730						
22,800-28,499	5,439	4,973					
28,500-34,199	7,148	6,682	6,217				
34,200-39,899	8,856	8,391	7,925	7,460			
39,900-45,599	10,565	10,100	9,634	9,169	8,703		
45,600-56,999	12,274	11,808	11,343	10,877	10,412	9,947	
57,000-64,499	15,691	15,226	14,760	14,295	13,830	13,364	12,433

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,764						
22,800-28,499	5,472	5,018					
28,500-34,199	7,181	6,727	6,273				
34,200-39,899	8,890	8,436	7,982	7,527			
39,900-45,599	10,599	10,145	9,690	9,236	8,782		
45,600-56,999	12,308	11,853	11,399	10,945	10,491	10,036	
57,000-64,499	15,725	15,271	14,817	14,362	13,908	13,454	12,545

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,796						
22,800-28,499	5,505	5,061					
28,500-34,199	7,213	6,770	6,326				
34,200-39,899	8,922	8,479	8,035	7,591			
39,900-45,599	10,631	10,187	9,744	9,300	8,857		
45,600-56,999	12,340	11,896	11,453	11,009	10,565	10,122	
57,000-64,499	15,757	15,314	14,870	14,427	13,983	13,540	12,652

Climate Zone 3: South Region, Houston Weather Data

Table 2-162: Energy Savings (Heating kWh) for 3.41 HSPF Baseline—Zone 3

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,315						
22,800-28,499	3,430	3,087					
28,500-34,199	4,546	4,202	3,859				
34,200-39,899	5,661	5,317	4,974	4,631			
39,900-45,599	6,776	6,433	6,089	5,746	5,402		
45,600-56,999	7,891	7,548	7,204	6,861	6,518	6,174	
57,000-64,499	10,122	9,778	9,435	9,091	8,748	8,404	7,718

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,344						
22,800-28,499	3,459	3,125					
28,500-34,199	4,574	4,240	3,907				
34,200-39,899	5,689	5,356	5,022	4,688			
39,900-45,599	6,805	6,471	6,137	5,803	5,469		
45,600-56,999	7,920	7,586	7,252	6,918	6,584	6,250	
57,000-64,499	10,150	9,816	9,482	9,149	8,815	8,481	7,813

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,397						
22,800-28,499	3,512	3,196					
28,500-34,199	4,627	4,311	3,994				
34,200-39,899	5,742	5,426	5,110	4,793			
39,900-45,599	6,857	6,541	6,225	5,908	5,592		
45,600-56,999	7,973	7,656	7,340	7,024	6,707	6,391	
57,000-64,499	10,203	9,887	9,570	9,254	8,938	8,621	7,989

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,444						
22,800-28,499	3,559	3,259					
28,500-34,199	4,674	4,374	4,073				
34,200-39,899	5,790	5,489	5,189	4,888			
39,900-45,599	6,905	6,604	6,304	6,003	5,703		
45,600-56,999	8,020	7,720	7,419	7,119	6,818	6,518	
57,000-64,499	10,250	9,950	9,649	9,349	9,048	8,748	8,147

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,466						
22,800-28,499	3,581	3,288					
28,500-34,199	4,696	4,403	4,110				
34,200-39,899	5,812	5,518	5,225	4,932			
39,900-45,599	6,927	6,634	6,340	6,047	5,754		
45,600-56,999	8,042	7,749	7,456	7,163	6,869	6,576	
57,000-64,499	10,272	9,979	9,686	9,393	9,100	8,807	8,220

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2,487						
22,800-28,499	3,602	3,316					
28,500-34,199	4,717	4,431	4,145				
34,200-39,899	5,833	5,546	5,260	4,974			
39,900-45,599	6,948	6,662	6,375	6,089	5,803		
45,600-56,999	8,063	7,777	7,491	7,204	6,918	6,632	
57,000-64,499	10,293	10,007	9,721	9,435	9,149	8,862	8,290

Climate Zone 4: Valley Region Corpus Christi Weather Data

Table 2-163: Energy Savings (Heating kWh) for 3.41 HSPF Baseline—Zone 4

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,555						
22,800-28,499	2,304	2,074					
28,500-34,199	3,052	2,822	2,592				
34,200-39,899	3,801	3,571	3,341	3,110			
39,900-45,599	4,549	4,319	4,089	3,859	3,629		
45,600-56,999	5,298	5,068	4,838	4,607	4,377	4,147	
57,000-64,499	6,795	6,565	6,335	6,105	5,874	5,644	5,184

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,574						
22,800-28,499	2,323	2,099					
28,500-34,199	3,071	2,848	2,624				
34,200-39,899	3,820	3,596	3,373	3,149			
39,900-45,599	4,568	4,345	4,121	3,897	3,674		
45,600-56,999	5,317	5,093	4,870	4,646	4,422	4,198	
57,000-64,499	6,814	6,590	6,367	6,143	5,919	5,695	5,248

9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,610						
22,800-28,499	2,358	2,146					
28,500-34,199	3,107	2,895	2,683				
34,200-39,899	3,855	3,643	3,431	3,219			
39,900-45,599	4,604	4,392	4,180	3,968	3,756		
45,600-56,999	5,352	5,140	4,928	4,716	4,505	4,293	
57,000-64,499	6,849	6,637	6,425	6,214	6,002	5,790	5,366

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,642						
22,800-28,499	2,390	2,189					
28,500-34,199	3,139	2,937	2,736				
34,200-39,899	3,887	3,686	3,484	3,283			
39,900-45,599	4,636	4,434	4,233	4,032	3,830		
45,600-56,999	5,384	5,183	4,981	4,780	4,579	4,377	
57,000-64,499	6,881	6,680	6,478	6,277	6,076	5,874	5,472

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,656						
22,800-28,499	2,405	2,208					
28,500-34,199	3,153	2,957	2,760				
34,200-39,899	3,902	3,705	3,509	3,312			
39,900-45,599	4,650	4,454	4,257	4,061	3,865		
45,600-56,999	5,399	5,202	5,006	4,810	4,613	4,417	
57,000-64,499	6,896	6,699	6,503	6,307	6,110	5,914	5,521

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,670						
22,800-28,499	2,419	2,227					
28,500-34,199	3,167	2,976	2,784				
34,200-39,899	3,916	3,724	3,532	3,341			
39,900-45,599	4,664	4,473	4,281	4,089	3,897		
45,600-56,999	5,413	5,221	5,029	4,838	4,646	4,454	
57,000-64,499	6,910	6,718	6,526	6,335	6,143	5,951	5,568

Climate Zone 5: West Region El Paso Weather Data

Table 2-164: Energy Savings (Heating kWh) for 3.41 HSPF Baseline—Zone 5

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,677						
22,800-28,499	5,449	4,903					
28,500-34,199	7,220	6,674	6,129				
34,200-39,899	8,991	8,446	7,900	7,355			
39,900-45,599	10,763	10,217	9,672	9,126	8,581		
45,600-56,999	12,534	11,988	11,443	10,897	10,352	9,806	
57,000-64,499	16,076	15,531	14,985	14,440	13,894	13,349	12,258

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,723						
22,800-28,499	5,494	4,964					
28,500-34,199	7,265	6,735	6,205				
34,200-39,899	9,037	8,506	7,976	7,446			
39,900-45,599	10,808	10,278	9,747	9,217	8,687		
45,600-56,999	12,579	12,049	11,519	10,988	10,458	9,928	
57,000-64,499	16,122	15,591	15,061	14,531	14,000	13,470	12,409

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,807						
22,800-28,499	5,578	5,075					
28,500-34,199	7,349	6,847	6,344				
34,200-39,899	9,120	8,618	8,116	7,613			
39,900-45,599	10,892	10,389	9,887	9,384	8,882		
45,600-56,999	12,663	12,161	11,658	11,156	10,653	10,151	
57,000-64,499	16,206	15,703	15,201	14,698	14,196	13,693	12,689

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,882						
22,800-28,499	5,653	5,176					
28,500-34,199	7,425	6,947	6,470				
34,200-39,899	9,196	8,718	8,241	7,764			
39,900-45,599	10,967	10,490	10,012	9,535	9,058		
45,600-56,999	12,738	12,261	11,784	11,306	10,829	10,352	
57,000-64,499	16,281	15,804	15,326	14,849	14,372	13,894	12,940

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,917						
22,800-28,499	5,688	5,222					
28,500-34,199	7,459	6,994	6,528				
34,200-39,899	9,231	8,765	8,299	7,834			
39,900-45,599	11,002	10,536	10,071	9,605	9,139		
45,600-56,999	12,773	12,308	11,842	11,376	10,911	10,445	
57,000-64,499	16,316	15,850	15,385	14,919	14,453	13,988	13,056

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	3,950						
22,800-28,499	5,721	5,267					
28,500-34,199	7,493	7,038	6,584				
34,200-39,899	9,264	8,809	8,355	7,900			
39,900-45,599	11,035	10,581	10,126	9,672	9,217		
45,600-56,999	12,807	12,352	11,897	11,443	10,988	10,534	
57,000-64,499	16,349	15,895	15,440	14,985	14,531	14,076	13,167

Heating, Early Retirement—Replacement of a Heat Pump

See Table 2-165 through Table 2-174 for the energy savings (kWh) per heating load type associated with a central heat pump replacing another heat pump for all five Texas climate zones. In each table, the capacity of the efficient unit is represented in the columns and the capacity of the existing unit is represented in the rows. The savings are in the intersection of the appropriate efficient and existing capacities. Replacements where there has been no change in capacity are highlighted in light blue and bold text.

Climate Zone 1: Panhandle Region, Amarillo Weather Data

Table 2-165: Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 1

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	413						
22,800-28,499	1,517	551					
28,500-34,199	2,621	1,655	688				
34,200-39,899	3,725	2,759	1,793	826			
39,900-45,599	4,830	3,863	2,897	1,930	964		
45,600-56,999	5,934	4,967	4,001	3,034	2,068	1,101	
57,000-64,499	8,142	7,176	6,209	5,243	4,276	3,310	1,377

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	491						
22,800-28,499	1,595	654					
28,500-34,199	2,699	1,759	818				
34,200-39,899	3,803	2,863	1,922	982			
39,900-45,599	4,907	3,967	3,026	2,086	1,145		
45,600-56,999	6,011	5,071	4,130	3,190	2,249	1,309	
57,000-64,499	8,220	7,279	6,339	5,398	4,458	3,517	1,636
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	634						
22,800-28,499	1,738	845					
28,500-34,199	2,842	1,950	1,057				
34,200-39,899	3,946	3,054	2,161	1,268			
39,900-45,599	5,051	4,158	3,265	2,372	1,479		
45,600-56,999	6,155	5,262	4,369	3,476	2,584	1,691	
57,000-64,499	8,363	7,470	6,577	5,685	4,792	3,899	2,113
9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	763						
22,800-28,499	1,867	1,017					
28,500-34,199	2,971	2,121	1,272				
34,200-39,899	4,075	3,226	2,376	1,526			
39,900-45,599	5,180	4,330	3,480	2,630	1,780		
45,600-56,999	6,284	5,434	4,584	3,734	2,884	2,035	
57,000-64,499	8,492	7,642	6,792	5,942	5,093	4,243	2,543

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	823						
22,800-28,499	1,927	1,097					
28,500-34,199	3,031	2,201	1,371				
34,200-39,899	4,135	3,305	2,475	1,645			
39,900-45,599	5,239	4,409	3,579	2,750	1,920		
45,600-56,999	6,343	5,514	4,684	3,854	3,024	2,194	
57,000-64,499	8,552	7,722	6,892	6,062	5,232	4,402	2,742

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	880						
22,800-28,499	1,984	1,173					
28,500-34,199	3,088	2,277	1,466				
34,200-39,899	4,192	3,381	2,570	1,759			
39,900-45,599	5,296	4,485	3,674	2,863	2,052		
45,600-56,999	6,400	5,589	4,778	3,967	3,157	2,346	
57,000-64,499	8,609	7,798	6,987	6,176	5,365	4,554	2,932

Table 2-166: Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 1

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,104						
22,800-28,499	2,439	1,472					
28,500-34,199	3,773	2,807	1,840				
34,200-39,899	5,108	4,141	3,175	2,208			
39,900-45,599	6,442	5,476	4,509	3,543	2,576		
45,600-56,999	7,777	6,810	5,844	4,877	3,911	2,944	
57,000-64,499	10,446	9,479	8,513	7,546	6,580	5,613	3,681

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,182						
22,800-28,499	2,516	1,576					
28,500-34,199	3,851	2,910	1,970				
34,200-39,899	5,185	4,245	3,304	2,364			
39,900-45,599	6,520	5,579	4,639	3,698	2,758		
45,600-56,999	7,855	6,914	5,973	5,033	4,092	3,152	
57,000-64,499	10,524	9,583	8,642	7,702	6,761	5,821	3,940
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,325						
22,800-28,499	2,660	1,767					
28,500-34,199	3,994	3,101	2,209				
34,200-39,899	5,329	4,436	3,543	2,650			
39,900-45,599	6,663	5,770	4,878	3,985	3,092		
45,600-56,999	7,998	7,105	6,212	5,319	4,427	3,534	
57,000-64,499	10,667	9,774	8,881	7,988	7,096	6,203	4,417
9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,454						
22,800-28,499	2,789	1,939					
28,500-34,199	4,123	3,273	2,423				
34,200-39,899	5,458	4,608	3,758	2,908			
39,900-45,599	6,792	5,942	5,093	4,243	3,393		
45,600-56,999	8,127	7,277	6,427	5,577	4,727	3,878	
57,000-64,499	10,796	9,946	9,096	8,246	7,396	6,547	4,847

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,514						
22,800-28,499	2,848	2,018					
28,500-34,199	4,183	3,353	2,523				
34,200-39,899	5,517	4,687	3,858	3,028			
39,900-45,599	6,852	6,022	5,192	4,362	3,532		
45,600-56,999	8,186	7,357	6,527	5,697	4,867	4,037	
57,000-64,499	10,855	10,026	9,196	8,366	7,536	6,706	5,046

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1,571						
22,800-28,499	2,905	2,094					
28,500-34,199	4,240	3,429	2,618				
34,200-39,899	5,574	4,763	3,952	3,141			
39,900-45,599	6,909	6,098	5,287	4,476	3,665		
45,600-56,999	8,243	7,432	6,621	5,811	5,000	4,189	
57,000-64,499	10,912	10,101	9,290	8,480	7,669	6,858	5,236

Climate Zone 2: North Region, Dallas / Ft. Worth Weather Data

Table 2-167: Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 2

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	233						
22,800-28,499	842	311					
28,500-34,199	1,451	920	388				
34,200-39,899	2,060	1,528	997	466			
39,900-45,599	2,669	2,137	1,606	1,075	544		
45,600-56,999	3,278	2,746	2,215	1,684	1,153	621	
57,000-64,499	4,495	3,964	3,433	2,902	2,370	1,839	777

8.6-8.9 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	277						
22,800-28,499	886	369					
28,500-34,199	1,495	978	461				
34,200-39,899	2,104	1,587	1,070	554			
39,900-45,599	2,712	2,196	1,679	1,163	646		
45,600-56,999	3,321	2,805	2,288	1,771	1,255	738	
57,000-64,499	4,539	4,023	3,506	2,989	2,473	1,956	923

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	358						
22,800-28,499	967	477					
28,500-34,199	1,575	1,086	596				
34,200-39,899	2,184	1,695	1,205	715			
39,900-45,599	2,793	2,304	1,814	1,324	834		
45,600-56,999	3,402	2,912	2,423	1,933	1,443	954	
57,000-64,499	4,620	4,130	3,641	3,151	2,661	2,171	1,192

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	430						
22,800-28,499	1,039	574					
28,500-34,199	1,648	1,183	717				
34,200-39,899	2,257	1,792	1,326	861			
39,900-45,599	2,866	2,401	1,935	1,470	1,004		
45,600-56,999	3,475	3,009	2,544	2,079	1,613	1,148	
57,000-64,499	4,693	4,227	3,762	3,296	2,831	2,365	1,434

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	464						
22,800-28,499	1,073	619					
28,500-34,199	1,682	1,228	773				
34,200-39,899	2,291	1,837	1,382	928			
39,900-45,599	2,900	2,445	1,991	1,537	1,083		
45,600-56,999	3,509	3,054	2,600	2,146	1,692	1,237	
57,000-64,499	4,726	4,272	3,818	3,364	2,910	2,455	1,547

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	496						
22,800-28,499	1,105	662					
28,500-34,199	1,714	1,270	827				
34,200-39,899	2,323	1,879	1,436	992			
39,900-45,599	2,932	2,488	2,045	1,601	1,158		
45,600-56,999	3,541	3,097	2,654	2,210	1,767	1,323	
57,000-64,499	4,759	4,315	3,871	3,428	2,984	2,541	1,654

Table 2-168: Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 2

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	623						
22,800-28,499	1,362	830					
28,500-34,199	2,101	1,569	1,038				
34,200-39,899	2,839	2,308	1,777	1,246			
39,900-45,599	3,578	3,047	2,516	1,984	1,453		
45,600-56,999	4,317	3,786	3,255	2,723	2,192	1,661	
57,000-64,499	5,795	5,264	4,732	4,201	3,670	3,138	2,076

8.6-8.9 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	667						
22,800-28,499	1,406	889					
28,500-34,199	2,144	1,628	1,111				
34,200-39,899	2,883	2,367	1,850	1,333			
39,900-45,599	3,622	3,105	2,589	2,072	1,556		
45,600-56,999	4,361	3,844	3,328	2,811	2,294	1,778	
57,000-64,499	5,839	5,322	4,805	4,289	3,772	3,255	2,222

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	747						
22,800-28,499	1,486	997					
28,500-34,199	2,225	1,735	1,246				
34,200-39,899	2,964	2,474	1,985	1,495			
39,900-45,599	3,703	3,213	2,723	2,234	1,744		
45,600-56,999	4,442	3,952	3,462	2,973	2,483	1,993	
57,000-64,499	5,919	5,430	4,940	4,450	3,961	3,471	2,492

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	820						
22,800-28,499	1,559	1,094					
28,500-34,199	2,298	1,832	1,367				
34,200-39,899	3,037	2,571	2,106	1,640			
39,900-45,599	3,776	3,310	2,845	2,379	1,914		
45,600-56,999	4,514	4,049	3,584	3,118	2,653	2,187	
57,000-64,499	5,992	5,527	5,061	4,596	4,130	3,665	2,734

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	854						
22,800-28,499	1,593	1,138					
28,500-34,199	2,332	1,877	1,423				
34,200-39,899	3,070	2,616	2,162	1,708			
39,900-45,599	3,809	3,355	2,901	2,447	1,992		
45,600-56,999	4,548	4,094	3,640	3,185	2,731	2,277	
57,000-64,499	6,026	5,572	5,117	4,663	4,209	3,755	2,846

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	886						
22,800-28,499	1,625	1,181					
28,500-34,199	2,364	1,920	1,477				
34,200-39,899	3,103	2,659	2,215	1,772			
39,900-45,599	3,841	3,398	2,954	2,511	2,067		
45,600-56,999	4,580	4,137	3,693	3,250	2,806	2,363	
57,000-64,499	6,058	5,614	5,171	4,727	4,284	3,840	2,953

Climate Zone 3: South Region, Houston Weather Data

Table 2-169: Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 3

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	152						
22,800-28,499	546	203					
28,500-34,199	940	597	253				
34,200-39,899	1,334	991	647	304			
39,900-45,599	1,728	1,385	1,042	698	355		
45,600-56,999	2,122	1,779	1,436	1,092	749	405	
57,000-64,499	2,911	2,567	2,224	1,880	1,537	1,194	507

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	181						
22,800-28,499	575	241					
28,500-34,199	969	635	301				
34,200-39,899	1,363	1,029	695	361			
39,900-45,599	1,757	1,423	1,089	755	421		
45,600-56,999	2,151	1,817	1,483	1,149	816	482	
57,000-64,499	2,939	2,605	2,272	1,938	1,604	1,270	602

9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	233						
22,800-28,499	627	311					
28,500-34,199	1,022	705	389				
34,200-39,899	1,416	1,099	783	467			
39,900-45,599	1,810	1,493	1,177	861	544		
45,600-56,999	2,204	1,887	1,571	1,255	939	622	
57,000-64,499	2,992	2,676	2,359	2,043	1,727	1,410	778

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	281						
22,800-28,499	675	374					
28,500-34,199	1,069	768	468				
34,200-39,899	1,463	1,163	862	562			
39,900-45,599	1,857	1,557	1,256	956	655		
45,600-56,999	2,251	1,951	1,650	1,350	1,049	749	
57,000-64,499	3,039	2,739	2,438	2,138	1,837	1,537	936

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	303						
22,800-28,499	697	404					
28,500-34,199	1,091	798	505				
34,200-39,899	1,485	1,192	899	606			
39,900-45,599	1,879	1,586	1,293	1,000	706		
45,600-56,999	2,273	1,980	1,687	1,394	1,101	807	
57,000-64,499	3,061	2,768	2,475	2,182	1,889	1,596	1,009

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	324						
22,800-28,499	718	432					
28,500-34,199	1,112	826	540				
34,200-39,899	1,506	1,220	934	647			
39,900-45,599	1,900	1,614	1,328	1,042	755		
45,600-56,999	2,294	2,008	1,722	1,436	1,149	863	
57,000-64,499	3,082	2,796	2,510	2,224	1,938	1,651	1,079

Table 2-170: Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 3

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	406						
22,800-28,499	885	542					
28,500-34,199	1,364	1,021	677				
34,200-39,899	1,843	1,500	1,156	813			
39,900-45,599	2,322	1,978	1,635	1,292	948		
45,600-56,999	2,801	2,457	2,114	1,770	1,427	1,084	
57,000-64,499	3,758	3,415	3,072	2,728	2,385	2,041	1,355

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	435						
22,800-28,499	914	580					
28,500-34,199	1,393	1,059	725				
34,200-39,899	1,872	1,538	1,204	870			
39,900-45,599	2,350	2,017	1,683	1,349	1,015		
45,600-56,999	2,829	2,495	2,162	1,828	1,494	1,160	
57,000-64,499	3,787	3,453	3,119	2,785	2,452	2,118	1,450

9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	488						
22,800-28,499	967	650					
28,500-34,199	1,445	1,129	813				
34,200-39,899	1,924	1,608	1,292	975			
39,900-45,599	2,403	2,087	1,771	1,454	1,138		
45,600-56,999	2,882	2,566	2,249	1,933	1,617	1,301	
57,000-64,499	3,840	3,524	3,207	2,891	2,575	2,258	1,626

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	535						
22,800-28,499	1,014	714					
28,500-34,199	1,493	1,192	892				
34,200-39,899	1,972	1,671	1,371	1,070			
39,900-45,599	2,451	2,150	1,850	1,549	1,249		
45,600-56,999	2,930	2,629	2,329	2,028	1,728	1,427	
57,000-64,499	3,887	3,587	3,286	2,986	2,685	2,385	1,784

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	557						
22,800-28,499	1,036	743					
28,500-34,199	1,515	1,222	929				
34,200-39,899	1,994	1,701	1,407	1,114			
39,900-45,599	2,473	2,179	1,886	1,593	1,300		
45,600-56,999	2,952	2,658	2,365	2,072	1,779	1,486	
57,000-64,499	3,909	3,616	3,323	3,030	2,737	2,443	1,857

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	578						
22,800-28,499	1,057	771					
28,500-34,199	1,536	1,250	963				
34,200-39,899	2,015	1,729	1,442	1,156			
39,900-45,599	2,494	2,207	1,921	1,635	1,349		
45,600-56,999	2,972	2,686	2,400	2,114	1,828	1,542	
57,000-64,499	3,930	3,644	3,358	3,072	2,785	2,499	1,927

Climate Zone 4: Valley Region Corpus Christi Weather Data

Table 2-171: Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 4

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	102						
22,800-28,499	366	136					
28,500-34,199	630	400	170				
34,200-39,899	894	664	434	204			
39,900-45,599	1,158	928	698	468	238		
45,600-56,999	1,422	1,192	962	732	502	272	
57,000-64,499	1,950	1,720	1,490	1,260	1,030	800	339

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	121						
22,800-28,499	385	161					
28,500-34,199	649	425	202				
34,200-39,899	913	689	466	242			
39,900-45,599	1,177	954	730	506	282		
45,600-56,999	1,441	1,218	994	770	546	323	
57,000-64,499	1,969	1,746	1,522	1,298	1,075	851	403

9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	156						
22,800-28,499	420	208					
28,500-34,199	684	473	261				
34,200-39,899	949	737	525	313			
39,900-45,599	1,213	1,001	789	577	365		
45,600-56,999	1,477	1,265	1,053	841	629	417	
57,000-64,499	2,005	1,793	1,581	1,369	1,157	945	521

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	188						
22,800-28,499	452	251					
28,500-34,199	716	515	314				
34,200-39,899	980	779	578	376			
39,900-45,599	1,244	1,043	842	640	439		
45,600-56,999	1,508	1,307	1,106	904	703	502	
57,000-64,499	2,036	1,835	1,634	1,432	1,231	1,030	627

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	203						
22,800-28,499	467	270					
28,500-34,199	731	535	338				
34,200-39,899	995	799	602	406			
39,900-45,599	1,259	1,063	866	670	473		
45,600-56,999	1,523	1,327	1,130	934	737	541	
57,000-64,499	2,051	1,855	1,658	1,462	1,266	1,069	676

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	217						
22,800-28,499	481	289					
28,500-34,199	745	553	361				
34,200-39,899	1,009	817	626	434			
39,900-45,599	1,273	1,081	890	698	506		
45,600-56,999	1,537	1,345	1,154	962	770	578	
57,000-64,499	2,065	1,874	1,682	1,490	1,298	1,107	723

Table 2-172: Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 4

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	272						
22,800-28,499	593	363					
28,500-34,199	914	684	454				
34,200-39,899	1,235	1,005	775	545			
39,900-45,599	1,556	1,326	1,096	865	635		
45,600-56,999	1,877	1,646	1,416	1,186	956	726	
57,000-64,499	2,518	2,288	2,058	1,828	1,598	1,368	908

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	291						
22,800-28,499	612	389					
28,500-34,199	933	709	486				
34,200-39,899	1,254	1,030	807	583			
39,900-45,599	1,575	1,351	1,127	904	680		
45,600-56,999	1,896	1,672	1,448	1,225	1,001	777	
57,000-64,499	2,537	2,314	2,090	1,866	1,643	1,419	971
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	327						
22,800-28,499	648	436					
28,500-34,199	968	757	545				
34,200-39,899	1,289	1,077	865	654			
39,900-45,599	1,610	1,398	1,186	974	762		
45,600-56,999	1,931	1,719	1,507	1,295	1,083	871	
57,000-64,499	2,573	2,361	2,149	1,937	1,725	1,513	1,089
9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	359						
22,800-28,499	679	478					
28,500-34,199	1,000	799	598				
34,200-39,899	1,321	1,120	918	717			
39,900-45,599	1,642	1,441	1,239	1,038	837		
45,600-56,999	1,963	1,762	1,560	1,359	1,158	956	
57,000-64,499	2,605	2,403	2,202	2,001	1,799	1,598	1,195

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	373						
22,800-28,499	694	498					
28,500-34,199	1,015	819	622				
34,200-39,899	1,336	1,139	943	747			
39,900-45,599	1,657	1,460	1,264	1,067	871		
45,600-56,999	1,978	1,781	1,585	1,388	1,192	995	
57,000-64,499	2,619	2,423	2,226	2,030	1,834	1,637	1,244

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	387						
22,800-28,499	708	516					
28,500-34,199	1,029	837	646				
34,200-39,899	1,350	1,158	966	775			
39,900-45,599	1,671	1,479	1,287	1,096	904		
45,600-56,999	1,992	1,800	1,608	1,416	1,225	1,033	
57,000-64,499	2,633	2,442	2,250	2,058	1,866	1,675	1,291

Climate Zone 5: West Region El Paso Weather Data

Table 2-173: Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 5

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	241						
22,800-28,499	867	322					
28,500-34,199	1,493	948	402				
34,200-39,899	2,119	1,574	1,028	483			
39,900-45,599	2,745	2,200	1,654	1,109	563		
45,600-56,999	3,371	2,826	2,280	1,735	1,189	644	
57,000-64,499	4,623	4,078	3,532	2,987	2,441	1,896	805

8.6-8.9 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	287						
22,800-28,499	913	383					
28,500-34,199	1,539	1,009	478				
34,200-39,899	2,165	1,634	1,104	574			
39,900-45,599	2,791	2,260	1,730	1,200	669		
45,600-56,999	3,417	2,886	2,356	1,826	1,295	765	
57,000-64,499	4,669	4,138	3,608	3,078	2,547	2,017	956

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	371						
22,800-28,499	997	494					
28,500-34,199	1,623	1,120	618				
34,200-39,899	2,249	1,746	1,244	741			
39,900-45,599	2,875	2,372	1,870	1,367	865		
45,600-56,999	3,501	2,998	2,496	1,993	1,491	988	
57,000-64,499	4,752	4,250	3,748	3,245	2,743	2,240	1,235

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	446						
22,800-28,499	1,072	595					
28,500-34,199	1,698	1,221	743				
34,200-39,899	2,324	1,847	1,369	892			
39,900-45,599	2,950	2,473	1,995	1,518	1,041		
45,600-56,999	3,576	3,099	2,621	2,144	1,667	1,189	
57,000-64,499	4,828	4,351	3,873	3,396	2,919	2,441	1,487

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	481						
22,800-28,499	1,107	641					
28,500-34,199	1,733	1,267	802				
34,200-39,899	2,359	1,893	1,428	962			
39,900-45,599	2,985	2,519	2,054	1,588	1,122		
45,600-56,999	3,611	3,145	2,679	2,214	1,748	1,282	
57,000-64,499	4,863	4,397	3,931	3,466	3,000	2,534	1,603

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	514						
22,800-28,499	1,140	686					
28,500-34,199	1,766	1,312	857				
34,200-39,899	2,392	1,938	1,483	1,028			
39,900-45,599	3,018	2,564	2,109	1,654	1,200		
45,600-56,999	3,644	3,190	2,735	2,280	1,826	1,371	
57,000-64,499	4,896	4,441	3,987	3,532	3,078	2,623	1,714

Table 2-174: Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 5

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	645						
22,800-28,499	1,406	861					
28,500-34,199	2,167	1,621	1,076				
34,200-39,899	2,927	2,382	1,836	1,291			
39,900-45,599	3,688	3,143	2,597	2,052	1,506		
45,600-56,999	4,449	3,903	3,358	2,812	2,267	1,721	
57,000-64,499	5,970	5,425	4,879	4,334	3,788	3,243	2,152

8.6-8.9 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	691						
22,800-28,499	1,452	921					
28,500-34,199	2,212	1,682	1,152				
34,200-39,899	2,973	2,443	1,912	1,382			
39,900-45,599	3,734	3,203	2,673	2,142	1,612		
45,600-56,999	4,494	3,964	3,433	2,903	2,373	1,842	
57,000-64,499	6,015	5,485	4,955	4,424	3,894	3,364	2,303

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	775						
22,800-28,499	1,535	1,033					
28,500-34,199	2,296	1,794	1,291				
34,200-39,899	3,057	2,554	2,052	1,549			
39,900-45,599	3,817	3,315	2,812	2,310	1,808		
45,600-56,999	4,578	4,075	3,573	3,071	2,568	2,066	
57,000-64,499	6,099	5,597	5,094	4,592	4,089	3,587	2,582

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	850						
22,800-28,499	1,611	1,133					
28,500-34,199	2,371	1,894	1,417				
34,200-39,899	3,132	2,655	2,177	1,700			
39,900-45,599	3,893	3,415	2,938	2,461	1,983		
45,600-56,999	4,653	4,176	3,699	3,221	2,744	2,267	
57,000-64,499	6,175	5,697	5,220	4,743	4,265	3,788	2,833

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	885						
22,800-28,499	1,646	1,180					
28,500-34,199	2,406	1,941	1,475				
34,200-39,899	3,167	2,701	2,236	1,770			
39,900-45,599	3,928	3,462	2,996	2,531	2,065		
45,600-56,999	4,688	4,223	3,757	3,291	2,826	2,360	
57,000-64,499	6,209	5,744	5,278	4,812	4,347	3,881	2,950

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	918						
22,800-28,499	1,679	1,224					
28,500-34,199	2,440	1,985	1,530				
34,200-39,899	3,200	2,746	2,291	1,836			
39,900-45,599	3,961	3,506	3,052	2,597	2,142		
45,600-56,999	4,721	4,267	3,812	3,358	2,903	2,449	
57,000-64,499	6,243	5,788	5,334	4,879	4,424	3,970	3,061

Heating, Early Retirement—Replacement of an Electric Resistance Furnace

See Table 2-160 through Table 2-164 for the energy savings (kWh) per heating load type associated with a central heat pump replacing an electric resistance furnace for all five Texas climate zones.

Deemed Summer Demand Savings Tables¹⁷³

Heat pumps 17 SEER or greater are assumed to be two-stage heat pumps, while those under 17 SEER are assumed to be single-stage heat pumps. This results in slightly lower summer demand savings for 17.0-17.9 SEER heat pumps as compared to 16.0-16.9 SEER units.

¹⁷³ Rated capacity ranges are specified with a 5% tolerance in accordance with AHRI Standard 210/240 to account for systems that are rated slightly below the applicable nominal capacity. AHRI Standard 210/240. Table J1.

http://www.ahrinet.org/App_Content/ahri/files/STANDARDS/AHRI/AHRI_Standard_210-240_2017.pdf.

New Construction

Table 2-175 through Table 2-179 present the summer demand savings (kW) associated with a central heat pump being installed during new construction for all 5 Texas climate zones.

Climate Zone 1: Panhandle Region, Amarillo Weather Data

Table 2-175: Summer Demand Savings for 14.0 SEER New Construction Baseline—Zone 1

Size (Btuh)	SEER Range					
	14.5–14.9	15.0–15.9	16.0–16.9	17.0–17.9*	18.0–20.9	21.0+
< 22,800	0.06	0.12	0.22	0.16	0.24	0.35
22,800–28,499	0.08	0.16	0.29	0.21	0.31	0.47
28,500–34,199	0.10	0.19	0.36	0.27	0.39	0.59
34,200–39,899	0.12	0.23	0.43	0.32	0.47	0.71
39,900–45,599	0.14	0.27	0.50	0.37	0.55	0.82
45,600–56,999	0.16	0.31	0.58	0.42	0.63	0.94
57,000–64,499	0.20	0.39	0.72	0.53	0.79	1.18

Climate Zone 2: North Region, Dallas / Ft. Worth Weather Data

Table 2-176: Summer Demand Savings for 14.0 SEER New Construction Baseline—Zone 2

Size (Btuh)	SEER Range					
	14.5–14.9	15.0–15.9	16.0–16.9	17.0–17.9*	18.0–20.9	21.0+
< 22,800	0.06	0.12	0.23	0.18	0.26	0.38
22,800–28,499	0.09	0.16	0.31	0.24	0.34	0.50
28,500–34,199	0.11	0.21	0.38	0.30	0.43	0.63
34,200–39,899	0.13	0.25	0.46	0.35	0.52	0.76
39,900–45,599	0.15	0.29	0.53	0.41	0.60	0.88
45,600–56,999	0.17	0.33	0.61	0.47	0.69	1.01
57,000–64,499	0.21	0.41	0.76	0.59	0.86	1.26

Climate Zone 3: South Region, Houston Weather Data

Table 2-177: Summer Demand Savings for 14.0 SEER New Construction Baseline—Zone 3

Size (Btuh)	SEER Range					
	14.5–14.9	15.0–15.9	16.0–16.9	17.0–17.9*	18.0–20.9	21.0+
< 22,800	0.06	0.12	0.22	0.15	0.23	0.35
22,800–28,499	0.08	0.16	0.30	0.21	0.31	0.46
28,500–34,199	0.10	0.20	0.37	0.26	0.39	0.58
34,200–39,899	0.12	0.24	0.45	0.31	0.47	0.69
39,900–45,599	0.15	0.28	0.52	0.36	0.55	0.81
45,600–56,999	0.17	0.32	0.59	0.41	0.62	0.92
57,000–64,499	0.21	0.40	0.74	0.51	0.78	1.16

Climate Zone 4: Valley Region Corpus Christi Weather Data

Table 2-178: Summer Demand Savings for 14.0 SEER New Construction Baseline—Zone 4

Size (Btuh)	SEER Range					
	14.5–14.9	15.0–15.9	16.0–16.9	17.0–17.9*	18.0–20.9	21.0+
< 22,800	0.05	0.09	0.17	0.22	0.28	0.40
22,800–28,499	0.06	0.12	0.23	0.30	0.37	0.53
28,500–34,199	0.08	0.16	0.29	0.37	0.46	0.66
34,200–39,899	0.10	0.19	0.35	0.45	0.56	0.80
39,900–45,599	0.11	0.22	0.41	0.52	0.65	0.93
45,600–56,999	0.13	0.25	0.46	0.60	0.74	1.06
57,000–64,499	0.16	0.31	0.58	0.75	0.93	1.33

Climate Zone 5: West Region El Paso Weather Data

Table 2-179: Summer Demand Savings for 14.0 SEER New Construction Baseline—Zone 5

Size (Btuh)	SEER Range					
	14.5–14.9	15.0–15.9	16.0–16.9	17.0–17.9*	18.0–20.9	21.0+
< 22,800	0.06	0.11	0.21	0.19	0.26	0.39
22,800–28,499	0.08	0.15	0.28	0.25	0.35	0.52
28,500–34,199	0.10	0.19	0.35	0.31	0.43	0.65
34,200–39,899	0.12	0.23	0.42	0.38	0.52	0.78
39,900–45,599	0.14	0.27	0.49	0.44	0.61	0.90
45,600–56,999	0.16	0.30	0.57	0.50	0.70	1.03
57,000–64,499	0.20	0.38	0.71	0.63	0.87	1.29

Replace-on-Burnout

Table 2-180 through Table 2-184 present the summer demand savings (kW) associated with a central heat pump replacing on burnout an HVAC system for all 5 Texas climate zones. In each table, the capacity of the efficient unit is represented in the columns and the capacity of the existing unit is represented in the rows. The savings are in the intersection of the appropriate efficient and existing capacities. Replacements where there has been no change in capacity are highlighted in light blue and bold text.

Climate Zone 1: Panhandle Region, Amarillo Weather Data

Table 2-180: Summer Demand Savings for 13.08 SEER Replace-on-Burnout Baseline—Zone 1

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.17						
22,800-28,499	0.71	0.22					
28,500-34,199	1.25	0.76	0.28				
34,200-39,899	1.79	1.30	0.82	0.33			
39,900-45,599	2.33	1.84	1.36	0.87	0.39		
45,600-56,999	2.87	2.38	1.90	1.41	0.93	0.45	
57,000-64,499	3.94	3.46	2.98	2.49	2.01	1.52	0.56
15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.22						
22,800-28,499	0.76	0.30					
28,500-34,199	1.30	0.84	0.37				
34,200-39,899	1.84	1.38	0.91	0.45			
39,900-45,599	2.38	1.92	1.45	0.99	0.52		
45,600-56,999	2.92	2.46	1.99	1.52	1.06	0.59	
57,000-64,499	4.00	3.53	3.07	2.60	2.14	1.67	0.74

16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.32						
22,800-28,499	0.86	0.43					
28,500-34,199	1.40	0.97	0.54				
34,200-39,899	1.94	1.51	1.08	0.64			
39,900-45,599	2.48	2.05	1.62	1.18	0.75		
45,600-56,999	3.02	2.59	2.16	1.72	1.29	0.86	
57,000-64,499	4.10	3.67	3.24	2.80	2.37	1.94	1.07
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.27						
22,800-28,499	0.81	0.35					
28,500-34,199	1.34	0.89	0.44				
34,200-39,899	1.88	1.43	0.98	0.53			
39,900-45,599	2.42	1.97	1.52	1.07	0.62		
45,600-56,999	2.96	2.51	2.06	1.61	1.16	0.71	
57,000-64,499	4.04	3.59	3.14	2.69	2.24	1.79	0.88
18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.34						
22,800-28,499	0.88	0.46					
28,500-34,199	1.42	1.00	0.57				
34,200-39,899	1.96	1.54	1.11	0.68			
39,900-45,599	2.50	2.08	1.65	1.22	0.80		
45,600-56,999	3.04	2.61	2.19	1.76	1.34	0.91	
57,000-64,499	4.12	3.69	3.27	2.84	2.42	1.99	1.14

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.46						
22,800-28,499	1.00	0.61					
28,500-34,199	1.54	1.15	0.76				
34,200-39,899	2.08	1.69	1.30	0.92			
39,900-45,599	2.62	2.23	1.84	1.46	1.07		
45,600-56,999	3.16	2.77	2.38	2.00	1.61	1.22	
57,000-64,499	4.24	3.85	3.46	3.08	2.69	2.30	1.53

Climate Zone 2: North Region, Dallas / Ft. Worth Weather Data

Table 2-181: Summer Demand Savings for 13.08 SEER Replace-on-Burnout Baseline—Zone 2

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.18						
22,800-28,499	0.75	0.24					
28,500-34,199	1.32	0.81	0.29				
34,200-39,899	1.89	1.38	0.87	0.35			
39,900-45,599	2.47	1.95	1.44	0.93	0.41		
45,600-56,999	3.04	2.53	2.01	1.50	0.99	0.47	
57,000-64,499	4.18	3.67	3.16	2.64	2.13	1.62	0.59

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.24						
22,800-28,499	0.81	0.31					
28,500-34,199	1.38	0.89	0.39				
34,200-39,899	1.95	1.46	0.97	0.47			
39,900-45,599	2.53	2.03	1.54	1.04	0.55		
45,600-56,999	3.10	2.60	2.11	1.62	1.12	0.63	
57,000-64,499	4.24	3.75	3.26	2.76	2.27	1.77	0.79

16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.34						
22,800-28,499	0.91	0.46					
28,500-34,199	1.49	1.03	0.57				
34,200-39,899	2.06	1.60	1.14	0.68			
39,900-45,599	2.63	2.17	1.71	1.26	0.80		
45,600-56,999	3.20	2.75	2.29	1.83	1.37	0.91	
57,000-64,499	4.35	3.89	3.43	2.97	2.52	2.06	1.14
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.29						
22,800-28,499	0.86	0.39					
28,500-34,199	1.43	0.96	0.48				
34,200-39,899	2.01	1.53	1.06	0.58			
39,900-45,599	2.58	2.10	1.63	1.15	0.68		
45,600-56,999	3.15	2.68	2.20	1.72	1.25	0.77	
57,000-64,499	4.30	3.82	3.34	2.87	2.39	1.92	0.97
18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.37						
22,800-28,499	0.94	0.49					
28,500-34,199	1.52	1.07	0.62				
34,200-39,899	2.09	1.64	1.19	0.74			
39,900-45,599	2.66	2.21	1.76	1.31	0.87		
45,600-56,999	3.23	2.78	2.34	1.89	1.44	0.99	
57,000-64,499	4.38	3.93	3.48	3.03	2.58	2.13	1.24

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.49						
22,800-28,499	1.06	0.66					
28,500-34,199	1.64	1.23	0.82				
34,200-39,899	2.21	1.80	1.39	0.98			
39,900-45,599	2.78	2.37	1.96	1.55	1.15		
45,600-56,999	3.35	2.94	2.54	2.13	1.72	1.31	
57,000-64,499	4.50	4.09	3.68	3.27	2.86	2.45	1.64

Climate Zone 3: South Region, Houston Weather Data

Table 2-182: Summer Demand Savings for 13.08 SEER Replace-on-Burnout Baseline—Zone 3

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.17						
22,800-28,499	0.73	0.23					
28,500-34,199	1.28	0.79	0.29				
34,200-39,899	1.84	1.34	0.84	0.34			
39,900-45,599	2.40	1.90	1.40	0.90	0.40		
45,600-56,999	2.95	2.45	1.96	1.46	0.96	0.46	
57,000-64,499	4.07	3.57	3.07	2.57	2.07	1.57	0.57

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.23						
22,800-28,499	0.79	0.31					
28,500-34,199	1.34	0.86	0.38				
34,200-39,899	1.90	1.42	0.94	0.46			
39,900-45,599	2.46	1.98	1.50	1.02	0.54		
45,600-56,999	3.01	2.53	2.05	1.57	1.09	0.61	
57,000-64,499	4.12	3.64	3.16	2.68	2.20	1.73	0.77

16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.33						
22,800-28,499	0.89	0.44					
28,500-34,199	1.45	1.00	0.55				
34,200-39,899	2.00	1.56	1.11	0.66			
39,900-45,599	2.56	2.11	1.67	1.22	0.78		
45,600-56,999	3.11	2.67	2.22	1.78	1.33	0.89	
57,000-64,499	4.23	3.78	3.34	2.89	2.44	2.00	1.11

17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.26						
22,800-28,499	0.82	0.35					
28,500-34,199	1.38	0.91	0.44				
34,200-39,899	1.93	1.46	1.00	0.53			
39,900-45,599	2.49	2.02	1.55	1.08	0.62		
45,600-56,999	3.05	2.58	2.11	1.64	1.17	0.70	
57,000-64,499	4.16	3.69	3.22	2.75	2.28	1.82	0.88

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.34						
22,800-28,499	0.90	0.46					
28,500-34,199	1.46	1.01	0.57				
34,200-39,899	2.01	1.57	1.13	0.69			
39,900-45,599	2.57	2.13	1.69	1.24	0.80		
45,600-56,999	3.13	2.68	2.24	1.80	1.36	0.92	
57,000-64,499	4.24	3.80	3.36	2.91	2.47	2.03	1.15

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.46						
22,800-28,499	1.01	0.61					
28,500-34,199	1.57	1.17	0.76				
34,200-39,899	2.13	1.72	1.32	0.91			
39,900-45,599	2.68	2.28	1.87	1.47	1.07		
45,600-56,999	3.24	2.83	2.43	2.03	1.62	1.22	
57,000-64,499	4.35	3.95	3.54	3.14	2.73	2.33	1.52

Climate Zone 4: Valley Region Corpus Christi Weather Data

Table 2-183: Summer Demand Savings for 13.08 SEER Replace-on-Burnout Baseline—Zone 4

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.13						
22,800-28,499	0.57	0.18					
28,500-34,199	1.00	0.61	0.22				
34,200-39,899	1.44	1.05	0.66	0.27			
39,900-45,599	1.87	1.48	1.09	0.70	0.31		
45,600-56,999	2.31	1.92	1.53	1.14	0.75	0.36	
57,000-64,499	3.18	2.79	2.40	2.01	1.62	1.23	0.45

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.18						
22,800-28,499	0.61	0.24					
28,500-34,199	1.05	0.67	0.30				
34,200-39,899	1.48	1.11	0.73	0.36			
39,900-45,599	1.92	1.54	1.17	0.79	0.42		
45,600-56,999	2.35	1.98	1.60	1.23	0.85	0.48	
57,000-64,499	3.22	2.85	2.47	2.10	1.72	1.35	0.60

16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.26						
22,800-28,499	0.69	0.35					
28,500-34,199	1.13	0.78	0.43				
34,200-39,899	1.56	1.22	0.87	0.52			
39,900-45,599	2.00	1.65	1.30	0.95	0.61		
45,600-56,999	2.43	2.09	1.74	1.39	1.04	0.69	
57,000-64,499	3.30	2.96	2.61	2.26	1.91	1.56	0.87

17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.31						
22,800-28,499	0.74	0.41					
28,500-34,199	1.18	0.85	0.52				
34,200-39,899	1.61	1.28	0.95	0.62			
39,900-45,599	2.05	1.72	1.39	1.05	0.72		
45,600-56,999	2.48	2.15	1.82	1.49	1.16	0.83	
57,000-64,499	3.35	3.02	2.69	2.36	2.03	1.70	1.03

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.36						
22,800-28,499	0.80	0.48					
28,500-34,199	1.23	0.92	0.61				
34,200-39,899	1.67	1.35	1.04	0.73			
39,900-45,599	2.10	1.79	1.48	1.16	0.85		
45,600-56,999	2.54	2.22	1.91	1.60	1.28	0.97	
57,000-64,499	3.41	3.09	2.78	2.47	2.15	1.84	1.21

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.48						
22,800-28,499	0.92	0.65					
28,500-34,199	1.35	1.08	0.81				
34,200-39,899	1.79	1.52	1.24	0.97			
39,900-45,599	2.22	1.95	1.68	1.40	1.13		
45,600-56,999	2.66	2.38	2.11	1.84	1.56	1.29	
57,000-64,499	3.53	3.25	2.98	2.71	2.43	2.16	1.61

Climate Zone 5: West Region El Paso Weather Data

Table 2-184: Summer Demand Savings for 13.08 SEER Replace-on-Burnout Baseline—Zone 5

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.16						
22,800-28,499	0.69	0.22					
28,500-34,199	1.22	0.75	0.27				
34,200-39,899	1.75	1.28	0.80	0.33			
39,900-45,599	2.28	1.81	1.33	0.86	0.38		
45,600-56,999	2.81	2.34	1.86	1.39	0.91	0.44	
57,000-64,499	3.87	3.40	2.92	2.45	1.97	1.50	0.55

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.22						
22,800-28,499	0.75	0.29					
28,500-34,199	1.28	0.82	0.36				
34,200-39,899	1.81	1.35	0.89	0.44			
39,900-45,599	2.34	1.88	1.42	0.97	0.51		
45,600-56,999	2.87	2.41	1.95	1.50	1.04	0.58	
57,000-64,499	3.93	3.47	3.01	2.56	2.10	1.64	0.73

16.0-16.9 SEER

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.32						
22,800-28,499	0.85	0.42					
28,500-34,199	1.38	0.95	0.53				
34,200-39,899	1.90	1.48	1.06	0.63			
39,900-45,599	2.43	2.01	1.59	1.16	0.74		
45,600-56,999	2.96	2.54	2.12	1.69	1.27	0.84	
57,000-64,499	4.02	3.60	3.17	2.75	2.33	1.90	1.05

17.0-17.9 SEER

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.29						
22,800-28,499	0.82	0.39					
28,500-34,199	1.35	0.92	0.49				
34,200-39,899	1.88	1.45	1.02	0.59			
39,900-45,599	2.41	1.98	1.55	1.12	0.68		
45,600-56,999	2.94	2.51	2.08	1.65	1.21	0.78	
57,000-64,499	4.00	3.57	3.14	2.70	2.27	1.84	0.98

18.0-20.9 SEER

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.37						
22,800-28,499	0.89	0.49					
28,500-34,199	1.42	1.02	0.61				
34,200-39,899	1.95	1.55	1.14	0.73			
39,900-45,599	2.48	2.08	1.67	1.26	0.85		
45,600-56,999	3.01	2.61	2.20	1.79	1.38	0.97	
57,000-64,499	4.07	3.66	3.26	2.85	2.44	2.03	1.22

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.49						
22,800-28,499	1.02	0.66					
28,500-34,199	1.55	1.19	0.82				
34,200-39,899	2.08	1.72	1.35	0.98			
39,900-45,599	2.61	2.24	1.88	1.51	1.15		
45,600-56,999	3.14	2.77	2.41	2.04	1.68	1.31	
57,000-64,499	4.20	3.83	3.47	3.10	2.74	2.37	1.64

Early Retirement

Table 2-185 through Table 2-194 present the summer demand savings (kW) associated with a central heat pump replacing an HVAC system for all five Texas climate zones. These savings can be used with the replace-on-burnout energy savings in Table 2-180 through Table 2-184 to calculate summer demand savings. In each table, the capacity of the efficient unit is represented in the columns and the capacity of the existing unit is represented in the rows. The savings are in the intersection of the appropriate efficient and existing capacities. Replacements where there has been no change in capacity are highlighted in light blue and bold text.

Climate Zone 1: Panhandle Region, Amarillo Weather Data

Table 2-185: Summer Demand Savings for 12.44 SEER Early Retirement Baseline—Zone 1

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.25						
22,800-28,499	0.82	0.33					
28,500-34,199	1.39	0.90	0.42				
34,200-39,899	1.95	1.47	0.98	0.50			
39,900-45,599	2.52	2.04	1.55	1.07	0.58		
45,600-56,999	3.09	2.60	2.12	1.64	1.15	0.67	
57,000-64,499	4.22	3.74	3.25	2.77	2.29	1.80	0.83

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.31						
22,800-28,499	0.87	0.41					
28,500-34,199	1.44	0.98	0.51				
34,200-39,899	2.01	1.54	1.08	0.61			
39,900-45,599	2.58	2.11	1.64	1.18	0.71		
45,600-56,999	3.14	2.68	2.21	1.75	1.28	0.82	
57,000-64,499	4.28	3.81	3.35	2.88	2.42	1.95	1.02
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.41						
22,800-28,499	0.97	0.54					
28,500-34,199	1.54	1.11	0.68				
34,200-39,899	2.11	1.68	1.24	0.81			
39,900-45,599	2.68	2.24	1.81	1.38	0.95		
45,600-56,999	3.24	2.81	2.38	1.95	1.51	1.08	
57,000-64,499	4.38	3.95	3.51	3.08	2.65	2.22	1.35
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.35						
22,800-28,499	0.92	0.46					
28,500-34,199	1.48	1.03	0.58				
34,200-39,899	2.05	1.60	1.15	0.70			
39,900-45,599	2.62	2.17	1.72	1.26	0.81		
45,600-56,999	3.19	2.73	2.28	1.83	1.38	0.93	
57,000-64,499	4.32	3.87	3.42	2.97	2.52	2.06	1.16

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.43						
22,800-28,499	0.99	0.57					
28,500-34,199	1.56	1.13	0.71				
34,200-39,899	2.13	1.70	1.28	0.85			
39,900-45,599	2.70	2.27	1.84	1.42	0.99		
45,600-56,999	3.26	2.84	2.41	1.99	1.56	1.13	
57,000-64,499	4.40	3.97	3.55	3.12	2.69	2.27	1.42

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.54						
22,800-28,499	1.11	0.72					
28,500-34,199	1.68	1.29	0.90				
34,200-39,899	2.24	1.86	1.47	1.08			
39,900-45,599	2.81	2.43	2.04	1.65	1.27		
45,600-56,999	3.38	2.99	2.61	2.22	1.83	1.45	
57,000-64,499	4.51	4.13	3.74	3.35	2.97	2.58	1.81

Table 2-186: Summer Demand Savings for 10.0 SEER Early Retirement Baseline—Zone 1

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.67						
22,800-28,499	1.37	0.89					
28,500-34,199	2.08	1.59	1.11				
34,200-39,899	2.78	2.30	1.82	1.33			
39,900-45,599	3.49	3.00	2.52	2.04	1.55		
45,600-56,999	4.19	3.71	3.23	2.74	2.26	1.77	
57,000-64,499	5.61	5.12	4.64	4.15	3.67	3.19	2.22

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.72						
22,800-28,499	1.43	0.96					
28,500-34,199	2.13	1.67	1.20				
34,200-39,899	2.84	2.37	1.91	1.44			
39,900-45,599	3.54	3.08	2.61	2.15	1.68		
45,600-56,999	4.25	3.79	3.32	2.85	2.39	1.92	
57,000-64,499	5.66	5.20	4.73	4.27	3.80	3.34	2.40

16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.82						
22,800-28,499	1.53	1.09					
28,500-34,199	2.23	1.80	1.37				
34,200-39,899	2.94	2.51	2.07	1.64			
39,900-45,599	3.64	3.21	2.78	2.35	1.92		
45,600-56,999	4.35	3.92	3.49	3.05	2.62	2.19	
57,000-64,499	5.76	5.33	4.90	4.47	4.03	3.60	2.74

17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.76						
22,800-28,499	1.47	1.02					
28,500-34,199	2.18	1.72	1.27				
34,200-39,899	2.88	2.43	1.98	1.53			
39,900-45,599	3.59	3.14	2.69	2.23	1.78		
45,600-56,999	4.29	3.84	3.39	2.94	2.49	2.04	
57,000-64,499	5.71	5.25	4.80	4.35	3.90	3.45	2.55

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.84						
22,800-28,499	1.55	1.12					
28,500-34,199	2.25	1.83	1.40				
34,200-39,899	2.96	2.53	2.11	1.68			
39,900-45,599	3.66	3.24	2.81	2.39	1.96		
45,600-56,999	4.37	3.94	3.52	3.09	2.67	2.24	
57,000-64,499	5.78	5.36	4.93	4.50	4.08	3.65	2.80

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.96						
22,800-28,499	1.66	1.28					
28,500-34,199	2.37	1.98	1.60				
34,200-39,899	3.08	2.69	2.30	1.92			
39,900-45,599	3.78	3.39	3.01	2.62	2.23		
45,600-56,999	4.49	4.10	3.71	3.33	2.94	2.55	
57,000-64,499	5.90	5.51	5.13	4.74	4.35	3.97	3.19

Climate Zone 2: North Region, Dallas / Ft. Worth Weather Data

Table 2-187: Summer Demand Savings for 12.44 SEER Early Retirement Baseline—Zone 2

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.27						
22,800-28,499	0.87	0.35					
28,500-34,199	1.47	0.96	0.44				
34,200-39,899	2.07	1.56	1.04	0.53			
39,900-45,599	2.67	2.16	1.65	1.13	0.62		
45,600-56,999	3.27	2.76	2.25	1.73	1.22	0.71	
57,000-64,499	4.48	3.96	3.45	2.94	2.42	1.91	0.88

15-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.32						
22,800-28,499	0.93	0.43					
28,500-34,199	1.53	1.03	0.54				
34,200-39,899	2.13	1.64	1.14	0.65			
39,900-45,599	2.73	2.24	1.74	1.25	0.76		
45,600-56,999	3.33	2.84	2.35	1.85	1.36	0.87	
57,000-64,499	4.54	4.04	3.55	3.06	2.56	2.07	1.08
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.43						
22,800-28,499	1.03	0.57					
28,500-34,199	1.63	1.18	0.72				
34,200-39,899	2.24	1.78	1.32	0.86			
39,900-45,599	2.84	2.38	1.92	1.46	1.00		
45,600-56,999	3.44	2.98	2.52	2.06	1.61	1.15	
57,000-64,499	4.64	4.18	3.73	3.27	2.81	2.35	1.43
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.38						
22,800-28,499	0.98	0.50					
28,500-34,199	1.58	1.11	0.63				
34,200-39,899	2.18	1.71	1.23	0.76			
39,900-45,599	2.79	2.31	1.83	1.36	0.88		
45,600-56,999	3.39	2.91	2.44	1.96	1.48	1.01	
57,000-64,499	4.59	4.11	3.64	3.16	2.69	2.21	1.26

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.46						
22,800-28,499	1.06	0.61					
28,500-34,199	1.66	1.21	0.77				
34,200-39,899	2.26	1.82	1.37	0.92			
39,900-45,599	2.87	2.42	1.97	1.52	1.07		
45,600-56,999	3.47	3.02	2.57	2.12	1.67	1.22	
57,000-64,499	4.67	4.22	3.77	3.33	2.88	2.43	1.53

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.58						
22,800-28,499	1.18	0.77					
28,500-34,199	1.78	1.37	0.97				
34,200-39,899	2.38	1.98	1.57	1.16			
39,900-45,599	2.99	2.58	2.17	1.76	1.35		
45,600-56,999	3.59	3.18	2.77	2.36	1.95	1.55	
57,000-64,499	4.79	4.38	3.97	3.57	3.16	2.75	1.93

Table 2-188: Summer Demand Savings for 10.0 SEER Early Retirement Baseline—Zone 2

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.71						
22,800-28,499	1.45	0.94					
28,500-34,199	2.20	1.69	1.18				
34,200-39,899	2.95	2.44	1.93	1.41			
39,900-45,599	3.70	3.19	2.67	2.16	1.65		
45,600-56,999	4.45	3.94	3.42	2.91	2.40	1.88	
57,000-64,499	5.95	5.43	4.92	4.41	3.89	3.38	2.35

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.77						
22,800-28,499	1.51	1.02					
28,500-34,199	2.26	1.77	1.28				
34,200-39,899	3.01	2.52	2.02	1.53			
39,900-45,599	3.76	3.27	2.77	2.28	1.79		
45,600-56,999	4.51	4.01	3.52	3.03	2.53	2.04	
57,000-64,499	6.01	5.51	5.02	4.52	4.03	3.54	2.55

16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.87						
22,800-28,499	1.62	1.16					
28,500-34,199	2.37	1.91	1.45				
34,200-39,899	3.12	2.66	2.20	1.74			
39,900-45,599	3.87	3.41	2.95	2.49	2.03		
45,600-56,999	4.61	4.16	3.70	3.24	2.78	2.32	
57,000-64,499	6.11	5.65	5.19	4.74	4.28	3.82	2.90

17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.82						
22,800-28,499	1.57	1.09					
28,500-34,199	2.32	1.84	1.36				
34,200-39,899	3.06	2.59	2.11	1.64			
39,900-45,599	3.81	3.34	2.86	2.39	1.91		
45,600-56,999	4.56	4.09	3.61	3.13	2.66	2.18	
57,000-64,499	6.06	5.58	5.11	4.63	4.16	3.68	2.73

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.90						
22,800-28,499	1.65	1.20					
28,500-34,199	2.40	1.95	1.50				
34,200-39,899	3.15	2.70	2.25	1.80			
39,900-45,599	3.89	3.45	3.00	2.55	2.10		
45,600-56,999	4.64	4.19	3.75	3.30	2.85	2.40	
57,000-64,499	6.14	5.69	5.24	4.79	4.35	3.90	3.00

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	1.02						
22,800-28,499	1.77	1.36					
28,500-34,199	2.52	2.11	1.70				
34,200-39,899	3.27	2.86	2.45	2.04			
39,900-45,599	4.01	3.61	3.20	2.79	2.38		
45,600-56,999	4.76	4.35	3.95	3.54	3.13	2.72	
57,000-64,499	6.26	5.85	5.44	5.03	4.63	4.22	3.40

Climate Zone 3: South Region, Houston Weather Data

Table 2-189: Summer Demand Savings for 12.44 SEER Early Retirement Baseline—Zone 3

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.26						
22,800-28,499	0.84	0.34					
28,500-34,199	1.43	0.93	0.43				
34,200-39,899	2.01	1.51	1.01	0.52			
39,900-45,599	2.60	2.10	1.60	1.10	0.60		
45,600-56,999	3.18	2.68	2.18	1.69	1.19	0.69	
57,000-64,499	4.35	3.85	3.35	2.86	2.36	1.86	0.86

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.32						
22,800-28,499	0.90	0.42					
28,500-34,199	1.49	1.01	0.53				
34,200-39,899	2.07	1.59	1.11	0.63			
39,900-45,599	2.66	2.18	1.70	1.22	0.74		
45,600-56,999	3.24	2.76	2.28	1.80	1.32	0.84	
57,000-64,499	4.41	3.93	3.45	2.97	2.49	2.01	1.05
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.42						
22,800-28,499	1.00	0.56					
28,500-34,199	1.59	1.14	0.70				
34,200-39,899	2.17	1.73	1.28	0.84			
39,900-45,599	2.76	2.31	1.87	1.42	0.98		
45,600-56,999	3.34	2.90	2.45	2.01	1.56	1.12	
57,000-64,499	4.51	4.07	3.62	3.18	2.73	2.29	1.39
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.35						
22,800-28,499	0.93	0.47					
28,500-34,199	1.52	1.05	0.58				
34,200-39,899	2.10	1.64	1.17	0.70			
39,900-45,599	2.69	2.22	1.75	1.28	0.82		
45,600-56,999	3.27	2.81	2.34	1.87	1.40	0.93	
57,000-64,499	4.44	3.98	3.51	3.04	2.57	2.10	1.17

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.43						
22,800-28,499	1.01	0.57					
28,500-34,199	1.60	1.16	0.72				
34,200-39,899	2.18	1.74	1.30	0.86			
39,900-45,599	2.77	2.33	1.89	1.44	1.00		
45,600-56,999	3.35	2.91	2.47	2.03	1.59	1.15	
57,000-64,499	4.52	4.08	3.64	3.20	2.76	2.32	1.43

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.54						
22,800-28,499	1.13	0.72					
28,500-34,199	1.71	1.31	0.90				
34,200-39,899	2.30	1.89	1.49	1.08			
39,900-45,599	2.88	2.48	2.07	1.67	1.27		
45,600-56,999	3.47	3.06	2.66	2.25	1.85	1.45	
57,000-64,499	4.64	4.23	3.83	3.42	3.02	2.62	1.81

Table 2-190: Summer Demand Savings for 10.0 SEER Early Retirement Baseline—Zone 3

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.69						
22,800-28,499	1.41	0.91					
28,500-34,199	2.14	1.64	1.14				
34,200-39,899	2.87	2.37	1.87	1.37			
39,900-45,599	3.60	3.10	2.60	2.10	1.60		
45,600-56,999	4.32	3.83	3.33	2.83	2.33	1.83	
57,000-64,499	5.78	5.28	4.78	4.28	3.78	3.29	2.29

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.74						
22,800-28,499	1.47	0.99					
28,500-34,199	2.20	1.72	1.24				
34,200-39,899	2.93	2.45	1.97	1.49			
39,900-45,599	3.65	3.17	2.69	2.22	1.74		
45,600-56,999	4.38	3.90	3.42	2.94	2.46	1.98	
57,000-64,499	5.84	5.36	4.88	4.40	3.92	3.44	2.48
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.85						
22,800-28,499	1.57	1.13					
28,500-34,199	2.30	1.86	1.41				
34,200-39,899	3.03	2.58	2.14	1.69			
39,900-45,599	3.76	3.31	2.87	2.42	1.98		
45,600-56,999	4.49	4.04	3.59	3.15	2.70	2.26	
57,000-64,499	5.94	5.50	5.05	4.60	4.16	3.71	2.82
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.78						
22,800-28,499	1.51	1.04					
28,500-34,199	2.23	1.76	1.30				
34,200-39,899	2.96	2.49	2.02	1.56			
39,900-45,599	3.69	3.22	2.75	2.28	1.81		
45,600-56,999	4.42	3.95	3.48	3.01	2.54	2.07	
57,000-64,499	5.87	5.40	4.93	4.47	4.00	3.53	2.59

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.86						
22,800-28,499	1.59	1.14					
28,500-34,199	2.31	1.87	1.43				
34,200-39,899	3.04	2.60	2.16	1.72			
39,900-45,599	3.77	3.33	2.89	2.44	2.00		
45,600-56,999	4.50	4.05	3.61	3.17	2.73	2.29	
57,000-64,499	5.95	5.51	5.07	4.63	4.19	3.74	2.86

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.97						
22,800-28,499	1.70	1.29					
28,500-34,199	2.43	2.02	1.62				
34,200-39,899	3.15	2.75	2.35	1.94			
39,900-45,599	3.88	3.48	3.07	2.67	2.26		
45,600-56,999	4.61	4.21	3.80	3.40	2.99	2.59	
57,000-64,499	6.06	5.66	5.26	4.85	4.45	4.04	3.24

Climate Zone 4: Valley Region Corpus Christi Weather Data

Table 2-191: Summer Demand Savings for 12.44 SEER Early Retirement Baseline—Zone 4

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.20						
22,800-28,499	0.66	0.27					
28,500-34,199	1.12	0.73	0.34				
34,200-39,899	1.57	1.18	0.79	0.40			
39,900-45,599	2.03	1.64	1.25	0.86	0.47		
45,600-56,999	2.49	2.10	1.71	1.32	0.93	0.54	
57,000-64,499	3.40	3.01	2.62	2.23	1.84	1.45	0.67

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.25						
22,800-28,499	0.70	0.33					
28,500-34,199	1.16	0.79	0.41				
34,200-39,899	1.62	1.24	0.87	0.49			
39,900-45,599	2.08	1.70	1.33	0.95	0.58		
45,600-56,999	2.53	2.16	1.78	1.41	1.03	0.66	
57,000-64,499	3.45	3.07	2.70	2.32	1.95	1.57	0.82
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.33						
22,800-28,499	0.78	0.44					
28,500-34,199	1.24	0.89	0.54				
34,200-39,899	1.70	1.35	1.00	0.65			
39,900-45,599	2.16	1.81	1.46	1.11	0.76		
45,600-56,999	2.61	2.26	1.92	1.57	1.22	0.87	
57,000-64,499	3.53	3.18	2.83	2.48	2.13	1.79	1.09
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.38						
22,800-28,499	0.83	0.50					
28,500-34,199	1.29	0.96	0.63				
34,200-39,899	1.75	1.42	1.09	0.75			
39,900-45,599	2.21	1.87	1.54	1.21	0.88		
45,600-56,999	2.66	2.33	2.00	1.67	1.34	1.01	
57,000-64,499	3.58	3.25	2.91	2.58	2.25	1.92	1.26

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.43						
22,800-28,499	0.89	0.57					
28,500-34,199	1.34	1.03	0.72				
34,200-39,899	1.80	1.49	1.17	0.86			
39,900-45,599	2.26	1.95	1.63	1.32	1.00		
45,600-56,999	2.72	2.40	2.09	1.78	1.46	1.15	
57,000-64,499	3.63	3.32	3.00	2.69	2.38	2.06	1.44

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.55						
22,800-28,499	1.01	0.74					
28,500-34,199	1.47	1.19	0.92				
34,200-39,899	1.92	1.65	1.38	1.10			
39,900-45,599	2.38	2.11	1.83	1.56	1.29		
45,600-56,999	2.84	2.56	2.29	2.02	1.74	1.47	
57,000-64,499	3.75	3.48	3.20	2.93	2.66	2.38	1.84

Table 2-192: Summer Demand Savings for 10.0 SEER Early Retirement Baseline—Zone 4

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.54						
22,800-28,499	1.10	0.71					
28,500-34,199	1.67	1.28	0.89				
34,200-39,899	2.24	1.85	1.46	1.07			
39,900-45,599	2.81	2.42	2.03	1.64	1.25		
45,600-56,999	3.38	2.99	2.60	2.21	1.82	1.43	
57,000-64,499	4.52	4.13	3.74	3.35	2.96	2.57	1.79

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.58						
22,800-28,499	1.15	0.77					
28,500-34,199	1.72	1.34	0.97				
34,200-39,899	2.29	1.91	1.54	1.16			
39,900-45,599	2.86	2.48	2.11	1.73	1.36		
45,600-56,999	3.42	3.05	2.67	2.30	1.92	1.55	
57,000-64,499	4.56	4.19	3.81	3.44	3.06	2.69	1.94
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.66						
22,800-28,499	1.23	0.88					
28,500-34,199	1.80	1.45	1.10				
34,200-39,899	2.37	2.02	1.67	1.32			
39,900-45,599	2.94	2.59	2.24	1.89	1.54		
45,600-56,999	3.50	3.16	2.81	2.46	2.11	1.76	
57,000-64,499	4.64	4.29	3.95	3.60	3.25	2.90	2.21
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.71						
22,800-28,499	1.28	0.95					
28,500-34,199	1.85	1.52	1.19				
34,200-39,899	2.42	2.09	1.75	1.42			
39,900-45,599	2.99	2.66	2.32	1.99	1.66		
45,600-56,999	3.56	3.22	2.89	2.56	2.23	1.90	
57,000-64,499	4.69	4.36	4.03	3.70	3.37	3.04	2.37

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.77						
22,800-28,499	1.33	1.02					
28,500-34,199	1.90	1.59	1.28				
34,200-39,899	2.47	2.16	1.84	1.53			
39,900-45,599	3.04	2.73	2.41	2.10	1.79		
45,600-56,999	3.61	3.29	2.98	2.67	2.35	2.04	
57,000-64,499	4.75	4.43	4.12	3.81	3.49	3.18	2.55

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.89						
22,800-28,499	1.45	1.18					
28,500-34,199	2.02	1.75	1.48				
34,200-39,899	2.59	2.32	2.05	1.77			
39,900-45,599	3.16	2.89	2.61	2.34	2.07		
45,600-56,999	3.73	3.46	3.18	2.91	2.64	2.36	
57,000-64,499	4.87	4.59	4.32	4.05	3.77	3.50	2.95

Climate Zone 5: West Region El Paso Weather Data

Table 2-193: Summer Demand Savings for 12.44 SEER Early Retirement Baseline—Zone 5

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.25						
22,800-28,499	0.80	0.33					
28,500-34,199	1.36	0.88	0.41				
34,200-39,899	1.92	1.44	0.97	0.49			
39,900-45,599	2.47	2.00	1.52	1.05	0.57		
45,600-56,999	3.03	2.55	2.08	1.60	1.13	0.65	
57,000-64,499	4.14	3.67	3.19	2.72	2.24	1.77	0.82

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.30						
22,800-28,499	0.86	0.40					
28,500-34,199	1.41	0.96	0.50				
34,200-39,899	1.97	1.51	1.06	0.60			
39,900-45,599	2.53	2.07	1.61	1.16	0.70		
45,600-56,999	3.08	2.63	2.17	1.71	1.26	0.80	
57,000-64,499	4.20	3.74	3.28	2.83	2.37	1.91	1.00

16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.40						
22,800-28,499	0.95	0.53					
28,500-34,199	1.51	1.09	0.66				
34,200-39,899	2.07	1.64	1.22	0.80			
39,900-45,599	2.63	2.20	1.78	1.35	0.93		
45,600-56,999	3.18	2.76	2.33	1.91	1.49	1.06	
57,000-64,499	4.30	3.87	3.45	3.02	2.60	2.18	1.33

17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.37						
22,800-28,499	0.93	0.50					
28,500-34,199	1.49	1.06	0.62				
34,200-39,899	2.05	1.61	1.18	0.75			
39,900-45,599	2.60	2.17	1.74	1.31	0.87		
45,600-56,999	3.16	2.73	2.30	1.86	1.43	1.00	
57,000-64,499	4.27	3.84	3.41	2.98	2.55	2.11	1.25

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.45						
22,800-28,499	1.00	0.60					
28,500-34,199	1.56	1.15	0.75				
34,200-39,899	2.12	1.71	1.30	0.89			
39,900-45,599	2.67	2.27	1.86	1.45	1.04		
45,600-56,999	3.23	2.82	2.42	2.01	1.60	1.19	
57,000-64,499	4.34	3.94	3.53	3.12	2.71	2.31	1.49

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.57						
22,800-28,499	1.13	0.77					
28,500-34,199	1.69	1.32	0.96				
34,200-39,899	2.24	1.88	1.51	1.15			
39,900-45,599	2.80	2.44	2.07	1.70	1.34		
45,600-56,999	3.36	2.99	2.63	2.26	1.90	1.53	
57,000-64,499	4.47	4.11	3.74	3.37	3.01	2.64	1.91

Table 2-194: Summer Demand Savings for 10.0 SEER Early Retirement Baseline—Zone 5

14.5-14.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.65						
22,800-28,499	1.35	0.87					
28,500-34,199	2.04	1.56	1.09				
34,200-39,899	2.73	2.26	1.78	1.31			
39,900-45,599	3.42	2.95	2.47	2.00	1.52		
45,600-56,999	4.12	3.64	3.17	2.69	2.22	1.74	
57,000-64,499	5.50	5.03	4.55	4.08	3.60	3.13	2.18

15.0-15.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.71						
22,800-28,499	1.40	0.94					
28,500-34,199	2.09	1.64	1.18				
34,200-39,899	2.79	2.33	1.87	1.42			
39,900-45,599	3.48	3.02	2.56	2.11	1.65		
45,600-56,999	4.17	3.71	3.26	2.80	2.34	1.89	
57,000-64,499	5.56	5.10	4.64	4.19	3.73	3.27	2.36
16.0-16.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.81						
22,800-28,499	1.50	1.07					
28,500-34,199	2.19	1.77	1.34				
34,200-39,899	2.88	2.46	2.04	1.61			
39,900-45,599	3.58	3.15	2.73	2.30	1.88		
45,600-56,999	4.27	3.84	3.42	3.00	2.57	2.15	
57,000-64,499	5.65	5.23	4.81	4.38	3.96	3.53	2.69
17.0-17.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.78						
22,800-28,499	1.48	1.04					
28,500-34,199	2.17	1.74	1.30				
34,200-39,899	2.86	2.43	2.00	1.56			
39,900-45,599	3.55	3.12	2.69	2.26	1.83		
45,600-56,999	4.25	3.81	3.38	2.95	2.52	2.09	
57,000-64,499	5.63	5.20	4.77	4.34	3.90	3.47	2.61

18.0-20.9 SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.85						
22,800-28,499	1.55	1.14					
28,500-34,199	2.24	1.83	1.42				
34,200-39,899	2.93	2.52	2.12	1.71			
39,900-45,599	3.62	3.22	2.81	2.40	1.99		
45,600-56,999	4.32	3.91	3.50	3.09	2.69	2.28	
57,000-64,499	5.70	5.30	4.89	4.48	4.07	3.66	2.85

21.0+ SEER							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.98						
22,800-28,499	1.67	1.31					
28,500-34,199	2.37	2.00	1.64				
34,200-39,899	3.06	2.69	2.33	1.96			
39,900-45,599	3.75	3.39	3.02	2.66	2.29		
45,600-56,999	4.44	4.08	3.71	3.35	2.98	2.62	
57,000-64,499	5.83	5.46	5.10	4.73	4.37	4.00	3.27

Deemed Winter Demand Savings Tables¹⁷⁴

New Construction or Replace-on-Burnout of a Heat Pump

Table 2-195 through Table 2-199 present the winter demand savings (kW) associated with a central heat pump being installed during new construction or replacing a burned-out central heat pump.

The rightsizing savings specified in the tables below are only applicable to replace-on-burnout projects. New construction projects are not eligible to receive deemed savings for system rightsizing.¹⁷⁵

¹⁷⁴ Rated capacity ranges are specified with a 5 percent tolerance in accordance with AHRI Standard 210/240 to account for systems that are rated slightly below the applicable nominal capacity. AHRI Standard 210/240. Table J1.

http://www.ahrinet.org/App_Content/ahri/files/STANDARDS/AHRI/AHRI_Standard_210-240_2017.pdf.

¹⁷⁵ For projects using a custom baseline see TRMv6.0 Volume 4.

Climate Zone 1: Panhandle Region, Amarillo Weather Data

Table 2-195: Winter Demand Savings for 8.2 HSPF Baseline—Zone 1

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.05						
22,800-28,499	0.68	0.07					
28,500-34,199	1.30	0.69	0.09				
34,200-39,899	1.93	1.32	0.71	0.10			
39,900-45,599	2.55	1.94	1.33	0.73	0.12		
45,600-56,999	3.17	2.57	1.96	1.35	0.74	0.14	
57,000-64,499	4.42	3.82	3.21	2.60	1.99	1.39	0.17
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.08						
22,800-28,499	0.71	0.11					
28,500-34,199	1.33	0.74	0.14				
34,200-39,899	1.96	1.36	0.76	0.17			
39,900-45,599	2.58	1.98	1.39	0.79	0.19		
45,600-56,999	3.21	2.61	2.01	1.41	0.82	0.22	
57,000-64,499	4.46	3.86	3.26	2.66	2.07	1.47	0.28
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.14						
22,800-28,499	0.77	0.19					
28,500-34,199	1.39	0.81	0.24				
34,200-39,899	2.02	1.44	0.86	0.28			
39,900-45,599	2.64	2.06	1.48	0.91	0.33		
45,600-56,999	3.26	2.69	2.11	1.53	0.95	0.38	
57,000-64,499	4.51	3.94	3.36	2.78	2.20	1.63	0.47

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.19						
22,800-28,499	0.82	0.26					
28,500-34,199	1.44	0.88	0.32				
34,200-39,899	2.07	1.51	0.95	0.39			
39,900-45,599	2.69	2.13	1.57	1.01	0.45		
45,600-56,999	3.32	2.76	2.20	1.64	1.08	0.52	
57,000-64,499	4.57	4.01	3.45	2.89	2.33	1.77	0.64

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.22						
22,800-28,499	0.84	0.29					
28,500-34,199	1.47	0.92	0.36				
34,200-39,899	2.09	1.54	0.99	0.44			
39,900-45,599	2.72	2.16	1.61	1.06	0.51		
45,600-56,999	3.34	2.79	2.24	1.69	1.13	0.58	
57,000-64,499	4.59	4.04	3.49	2.93	2.38	1.83	0.73

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.24						
22,800-28,499	0.87	0.32					
28,500-34,199	1.49	0.95	0.40				
34,200-39,899	2.12	1.57	1.03	0.48			
39,900-45,599	2.74	2.20	1.65	1.11	0.56		
45,600-56,999	3.36	2.82	2.28	1.73	1.19	0.64	
57,000-64,499	4.61	4.07	3.53	2.98	2.44	1.89	0.80

Climate Zone 2: North Region, Dallas / Ft. Worth Weather Data

Table 2-196: Winter Demand Savings for 8.2 HSPF Baseline—Zone 2

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.05						
22,800-28,499	0.63	0.07					
28,500-34,199	1.21	0.65	0.09				
34,200-39,899	1.79	1.23	0.67	0.10			
39,900-45,599	2.37	1.81	1.24	0.68	0.12		
45,600-56,999	2.95	2.39	1.82	1.26	0.70	0.14	
57,000-64,499	4.11	3.55	2.98	2.42	1.86	1.30	0.17
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.08						
22,800-28,499	0.66	0.11					
28,500-34,199	1.24	0.69	0.14				
34,200-39,899	1.82	1.27	0.72	0.17			
39,900-45,599	2.40	1.85	1.30	0.75	0.19		
45,600-56,999	2.98	2.43	1.88	1.33	0.77	0.22	
57,000-64,499	4.14	3.59	3.04	2.48	1.93	1.38	0.28
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.14						
22,800-28,499	0.72	0.19					
28,500-34,199	1.30	0.77	0.24				
34,200-39,899	1.88	1.35	0.82	0.28			
39,900-45,599	2.46	1.93	1.40	0.86	0.33		
45,600-56,999	3.04	2.51	1.98	1.44	0.91	0.38	
57,000-64,499	4.20	3.67	3.13	2.60	2.07	1.54	0.47

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.19						
22,800-28,499	0.77	0.26					
28,500-34,199	1.35	0.84	0.32				
34,200-39,899	1.93	1.42	0.90	0.39			
39,900-45,599	2.51	2.00	1.48	0.97	0.45		
45,600-56,999	3.09	2.58	2.06	1.55	1.03	0.52	
57,000-64,499	4.25	3.74	3.22	2.71	2.19	1.68	0.65

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.22						
22,800-28,499	0.80	0.29					
28,500-34,199	1.38	0.87	0.36				
34,200-39,899	1.96	1.45	0.94	0.44			
39,900-45,599	2.54	2.03	1.52	1.02	0.51		
45,600-56,999	3.12	2.61	2.10	1.60	1.09	0.58	
57,000-64,499	4.28	3.77	3.26	2.76	2.25	1.74	0.73

9.7+ HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.24						
22,800-28,499	0.82	0.32					
28,500-34,199	1.40	0.90	0.40				
34,200-39,899	1.98	1.48	0.98	0.48			
39,900-45,599	2.56	2.06	1.56	1.06	0.57		
45,600-56,999	3.14	2.64	2.14	1.64	1.14	0.65	
57,000-64,499	4.30	3.80	3.30	2.80	2.30	1.81	0.81

Climate Zone 3: South Region, Houston Weather Data

Table 2-197: Winter Demand Savings for 8.2 HSPF Baseline—Zone 3

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.04						
22,800-28,499	0.39	0.06					
28,500-34,199	0.74	0.40	0.07				
34,200-39,899	1.08	0.75	0.42	0.09			
39,900-45,599	1.43	1.10	0.77	0.43	0.10		
45,600-56,999	1.77	1.44	1.11	0.78	0.45	0.12	
57,000-64,499	2.46	2.13	1.80	1.47	1.14	0.81	0.15
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.07						
22,800-28,499	0.42	0.10					
28,500-34,199	0.76	0.44	0.12				
34,200-39,899	1.11	0.79	0.47	0.14			
39,900-45,599	1.45	1.13	0.81	0.49	0.17		
45,600-56,999	1.80	1.48	1.16	0.84	0.51	0.19	
57,000-64,499	2.49	2.17	1.85	1.53	1.20	0.88	0.24
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.12						
22,800-28,499	0.47	0.16					
28,500-34,199	0.81	0.51	0.20				
34,200-39,899	1.16	0.85	0.55	0.25			
39,900-45,599	1.50	1.20	0.90	0.59	0.29		
45,600-56,999	1.85	1.55	1.24	0.94	0.63	0.33	
57,000-64,499	2.54	2.24	1.93	1.63	1.32	1.02	0.41

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.17						
22,800-28,499	0.51	0.22					
28,500-34,199	0.86	0.57	0.28				
34,200-39,899	1.21	0.92	0.63	0.34			
39,900-45,599	1.55	1.26	0.97	0.68	0.39		
45,600-56,999	1.90	1.61	1.32	1.03	0.74	0.45	
57,000-64,499	2.59	2.30	2.01	1.72	1.43	1.14	0.56

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.19						
22,800-28,499	0.54	0.25					
28,500-34,199	0.88	0.60	0.32				
34,200-39,899	1.23	0.94	0.66	0.38			
39,900-45,599	1.57	1.29	1.01	0.72	0.44		
45,600-56,999	1.92	1.63	1.35	1.07	0.79	0.51	
57,000-64,499	2.61	2.33	2.04	1.76	1.48	1.20	0.63

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.21						
22,800-28,499	0.56	0.28					
28,500-34,199	0.90	0.63	0.35				
34,200-39,899	1.25	0.97	0.70	0.42			
39,900-45,599	1.59	1.32	1.04	0.77	0.49		
45,600-56,999	1.94	1.66	1.39	1.11	0.84	0.56	
57,000-64,499	2.63	2.35	2.08	1.80	1.53	1.25	0.70

Climate Zone 4: Valley Region Corpus Christi Weather Data

Table 2-198: Winter Demand Savings for 8.2 HSPF Baseline—Zone 4

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.03						
22,800-28,499	0.29	0.04					
28,500-34,199	0.55	0.30	0.06				
34,200-39,899	0.81	0.56	0.31	0.07			
39,900-45,599	1.07	0.82	0.57	0.33	0.08		
45,600-56,999	1.33	1.08	0.83	0.59	0.34	0.09	
57,000-64,499	1.85	1.60	1.35	1.10	0.86	0.61	0.11
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.05						
22,800-28,499	0.31	0.07					
28,500-34,199	0.57	0.33	0.09				
34,200-39,899	0.83	0.59	0.35	0.11			
39,900-45,599	1.09	0.85	0.61	0.37	0.13		
45,600-56,999	1.35	1.11	0.87	0.63	0.39	0.14	
57,000-64,499	1.87	1.63	1.39	1.14	0.90	0.66	0.18
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.09						
22,800-28,499	0.35	0.12					
28,500-34,199	0.61	0.38	0.15				
34,200-39,899	0.87	0.64	0.41	0.18			
39,900-45,599	1.13	0.90	0.67	0.44	0.21		
45,600-56,999	1.39	1.16	0.93	0.70	0.47	0.25	
57,000-64,499	1.91	1.68	1.45	1.22	0.99	0.76	0.31

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.13						
22,800-28,499	0.39	0.17					
28,500-34,199	0.64	0.43	0.21				
34,200-39,899	0.90	0.69	0.47	0.25			
39,900-45,599	1.16	0.95	0.73	0.51	0.29		
45,600-56,999	1.42	1.21	0.99	0.77	0.55	0.34	
57,000-64,499	1.94	1.72	1.51	1.29	1.07	0.86	0.42

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.14						
22,800-28,499	0.40	0.19					
28,500-34,199	0.66	0.45	0.24				
34,200-39,899	0.92	0.71	0.50	0.28			
39,900-45,599	1.18	0.97	0.76	0.54	0.33		
45,600-56,999	1.44	1.23	1.01	0.80	0.59	0.38	
57,000-64,499	1.96	1.75	1.53	1.32	1.11	0.90	0.47

9.7+ HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.16						
22,800-28,499	0.42	0.21					
28,500-34,199	0.68	0.47	0.26				
34,200-39,899	0.94	0.73	0.52	0.31			
39,900-45,599	1.19	0.99	0.78	0.57	0.37		
45,600-56,999	1.45	1.25	1.04	0.83	0.63	0.42	
57,000-64,499	1.97	1.77	1.56	1.35	1.14	0.94	0.52

Climate Zone 5: West Region El Paso Weather Data

Table 2-199: Winter Demand Savings for 8.2 HSPF Baseline—Zone 5

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.03						
22,800-28,499	0.25	0.04					
28,500-34,199	0.47	0.26	0.05				
34,200-39,899	0.70	0.48	0.27	0.06			
39,900-45,599	0.92	0.71	0.49	0.28	0.07		
45,600-56,999	1.14	0.93	0.72	0.50	0.29	0.08	
57,000-64,499	1.59	1.37	1.16	0.95	0.73	0.52	0.10
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.05						
22,800-28,499	0.27	0.06					
28,500-34,199	0.49	0.28	0.08				
34,200-39,899	0.71	0.51	0.30	0.09			
39,900-45,599	0.94	0.73	0.52	0.32	0.11		
45,600-56,999	1.16	0.95	0.74	0.54	0.33	0.12	
57,000-64,499	1.60	1.40	1.19	0.98	0.78	0.57	0.15
9.0-9.2 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.08						
22,800-28,499	0.30	0.11					
28,500-34,199	0.52	0.33	0.13				
34,200-39,899	0.75	0.55	0.35	0.16			
39,900-45,599	0.97	0.77	0.58	0.38	0.18		
45,600-56,999	1.19	1.00	0.80	0.60	0.41	0.21	
57,000-64,499	1.64	1.44	1.24	1.05	0.85	0.66	0.26

9.3-9.4 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.11						
22,800-28,499	0.33	0.14					
28,500-34,199	0.55	0.37	0.18				
34,200-39,899	0.78	0.59	0.40	0.22			
39,900-45,599	1.00	0.81	0.63	0.44	0.25		
45,600-56,999	1.22	1.03	0.85	0.66	0.48	0.29	
57,000-64,499	1.67	1.48	1.29	1.11	0.92	0.73	0.36

9.5-9.6 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.12						
22,800-28,499	0.34	0.16					
28,500-34,199	0.57	0.39	0.20				
34,200-39,899	0.79	0.61	0.43	0.24			
39,900-45,599	1.01	0.83	0.65	0.47	0.28		
45,600-56,999	1.23	1.05	0.87	0.69	0.51	0.33	
57,000-64,499	1.68	1.50	1.32	1.13	0.95	0.77	0.41

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	0.14						
22,800-28,499	0.36	0.18					
28,500-34,199	0.58	0.40	0.23				
34,200-39,899	0.80	0.63	0.45	0.27			
39,900-45,599	1.03	0.85	0.67	0.49	0.32		
45,600-56,999	1.25	1.07	0.89	0.72	0.54	0.36	
57,000-64,499	1.69	1.52	1.34	1.16	0.98	0.81	0.45

Replace-on-Burnout—Replacement of Electric Resistance Furnace

Table 2-200 through Table 2-204 present the winter demand savings (kW) per heating load type associated with a central heat pump replacing an electric resistance furnace for all five climate zones. In each table, the capacity of the efficient unit is represented in the columns and the capacity of the existing unit is represented in the rows. The savings are in the intersection of the appropriate efficient and existing capacities. Replacements where there has been no change in capacity are highlighted in light blue and bold text.

Climate Zone 1: Panhandle Region, Amarillo Weather Data

Table 2-200: Winter Demand Savings for 3.41 HSPF Baseline—Zone 1

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.25						
22,800-28,499	3.60	3.00					
28,500-34,199	4.96	4.35	3.75				
34,200-39,899	6.32	5.71	5.10	4.49			
39,900-45,599	7.67	7.07	6.46	5.85	5.24		
45,600-56,999	9.03	8.42	7.82	7.21	6.60	5.99	
57,000-64,499	11.74	11.14	10.53	9.92	9.31	8.71	7.49
8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.28						
22,800-28,499	3.64	3.04					
28,500-34,199	4.99	4.40	3.80				
34,200-39,899	6.35	5.75	5.15	4.56			
39,900-45,599	7.71	7.11	6.51	5.91	5.32		
45,600-56,999	9.06	8.47	7.87	7.27	6.67	6.08	
57,000-64,499	11.78	11.18	10.58	9.98	9.39	8.79	7.60

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.34						
22,800-28,499	3.69	3.12					
28,500-34,199	5.05	4.47	3.90				
34,200-39,899	6.41	5.83	5.25	4.67			
39,900-45,599	7.76	7.19	6.61	6.03	5.45		
45,600-56,999	9.12	8.54	7.97	7.39	6.81	6.23	
57,000-64,499	11.83	11.26	10.68	10.10	9.52	8.95	7.79

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.39						
22,800-28,499	3.75	3.19					
28,500-34,199	5.10	4.54	3.98				
34,200-39,899	6.46	5.90	5.34	4.78			
39,900-45,599	7.82	7.26	6.70	6.14	5.58		
45,600-56,999	9.17	8.61	8.05	7.49	6.93	6.37	
57,000-64,499	11.89	11.33	10.77	10.21	9.65	9.09	7.97

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.41						
22,800-28,499	3.77	3.22					
28,500-34,199	5.13	4.58	4.02				
34,200-39,899	6.48	5.93	5.38	4.83			
39,900-45,599	7.84	7.29	6.74	6.18	5.63		
45,600-56,999	9.20	8.65	8.09	7.54	6.99	6.44	
57,000-64,499	11.91	11.36	10.81	10.25	9.70	9.15	8.05

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.44						
22,800-28,499	3.79	3.25					
28,500-34,199	5.15	4.61	4.06				
34,200-39,899	6.51	5.96	5.42	4.87			
39,900-45,599	7.86	7.32	6.78	6.23	5.69		
45,600-56,999	9.22	8.68	8.13	7.59	7.04	6.50	
57,000-64,499	11.93	11.39	10.85	10.30	9.76	9.21	8.12

Climate Zone 2: North Region, Dallas / Ft. Worth Weather Data

Table 2-201: Winter Demand Savings for 3.41 HSPF Baseline—Zone 2

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.30						
22,800-28,499	3.63	3.07					
28,500-34,199	4.96	4.40	3.83				
34,200-39,899	6.29	5.72	5.16	4.60			
39,900-45,599	7.62	7.05	6.49	5.93	5.37		
45,600-56,999	8.94	8.38	7.82	7.26	6.69	6.13	
57,000-64,499	11.60	11.04	10.48	9.92	9.35	8.79	7.67

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.33						
22,800-28,499	3.66	3.11					
28,500-34,199	4.99	4.44	3.89				
34,200-39,899	6.32	5.77	5.21	4.66			
39,900-45,599	7.65	7.10	6.54	5.99	5.44		
45,600-56,999	8.98	8.42	7.87	7.32	6.77	6.22	
57,000-64,499	11.63	11.08	10.53	9.98	9.43	8.88	7.77

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.39						
22,800-28,499	3.72	3.19					
28,500-34,199	5.05	4.52	3.98				
34,200-39,899	6.38	5.84	5.31	4.78			
39,900-45,599	7.71	7.17	6.64	6.11	5.58		
45,600-56,999	9.04	8.50	7.97	7.44	6.91	6.37	
57,000-64,499	11.69	11.16	10.63	10.10	9.56	9.03	7.97

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.44						
22,800-28,499	3.77	3.26					
28,500-34,199	5.10	4.59	4.07				
34,200-39,899	6.43	5.92	5.40	4.89			
39,900-45,599	7.76	7.24	6.73	6.21	5.70		
45,600-56,999	9.09	8.57	8.06	7.54	7.03	6.51	
57,000-64,499	11.75	11.23	10.72	10.20	9.69	9.17	8.14

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.47						
22,800-28,499	3.80	3.29					
28,500-34,199	5.13	4.62	4.11				
34,200-39,899	6.45	5.95	5.44	4.93			
39,900-45,599	7.78	7.28	6.77	6.26	5.76		
45,600-56,999	9.11	8.61	8.10	7.59	7.09	6.58	
57,000-64,499	11.77	11.26	10.76	10.25	9.74	9.24	8.22

9.7+ HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.49						
22,800-28,499	3.82	3.32					
28,500-34,199	5.15	4.65	4.15				
34,200-39,899	6.48	5.98	5.48	4.98			
39,900-45,599	7.81	7.31	6.81	6.31	5.81		
45,600-56,999	9.14	8.64	8.14	7.64	7.14	6.64	
57,000-64,499	11.79	11.30	10.80	10.30	9.80	9.30	8.30

Climate Zone 3: South Region, Houston Weather Data

Table 2-202: Winter Demand Savings for 3.41 HSPF Baseline—Zone 3

8.5 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.16						
22,800-28,499	3.22	2.89					
28,500-34,199	4.27	3.94	3.61				
34,200-39,899	5.32	4.99	4.66	4.33			
39,900-45,599	6.37	6.04	5.71	5.38	5.05		
45,600-56,999	7.43	7.09	6.76	6.43	6.10	5.77	
57,000-64,499	9.53	9.20	8.87	8.54	8.21	7.88	7.21

8.6-8.9 HSPF							
Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.19						
22,800-28,499	3.24	2.92					
28,500-34,199	4.30	3.97	3.65				
34,200-39,899	5.35	5.03	4.71	4.38			
39,900-45,599	6.40	6.08	5.76	5.44	5.11		
45,600-56,999	7.45	7.13	6.81	6.49	6.17	5.85	
57,000-64,499	9.56	9.24	8.91	8.59	8.27	7.95	7.31

9.0-9.2 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.24						
22,800-28,499	3.29	2.99					
28,500-34,199	4.35	4.04	3.74				
34,200-39,899	5.40	5.09	4.79	4.49			
39,900-45,599	6.45	6.15	5.84	5.54	5.23		
45,600-56,999	7.50	7.20	6.89	6.59	6.29	5.98	
57,000-64,499	9.61	9.30	9.00	8.69	8.39	8.09	7.48

9.3-9.4 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.29						
22,800-28,499	3.34	3.05					
28,500-34,199	4.39	4.10	3.81				
34,200-39,899	5.45	5.16	4.87	4.58			
39,900-45,599	6.50	6.21	5.92	5.63	5.34		
45,600-56,999	7.55	7.26	6.97	6.68	6.39	6.10	
57,000-64,499	9.65	9.36	9.08	8.79	8.50	8.21	7.63

9.5-9.6 HSPF

Size (Btuh) Post	< 22,800	22,800-28,499	28,500-34,199	34,200-39,899	39,900-45,599	45,600-56,999	57,000-64,499
Size (Btuh) Pre							
< 22,800	2.31						
22,800-28,499	3.36	3.08					
28,500-34,199	4.41	4.13	3.85				
34,200-39,899	5.47	5.18	4.90	4.62			
39,900-45,599	6.52	6.24	5.95	5.67	5.39		
45,600-56,999	7.57	7.29	7.01	6.72	6.44	6.16	
57,000-64,499	9.67	9.39	9.11	8.83	8.55	8.26	7.70