

Relevant Standards and Reference Sources

- The applicable version of the ENERGY STAR® specifications and requirements for electric vehicle supply equipment.

Document Revision History

Table 365. Residential ENERGY STAR® Electric Vehicle Supply Equipment Revision History

TRM version	Date	Description of change
v7.0	10/2019	TRM v7.0 origin.
v8.0	10/2020	TRM v8.0 update. Updated deemed savings tables

2.5.11 Refrigerator/Freezer Recycling Measure Overview

TRM Measure ID: R-AP-RR

Market Sector: Residential

Measure Category: Appliance Recycling

Applicable Building Types: Single-family, multifamily, manufactured

Fuels Affected: Electricity

Decision/Action Type(s): Early retirement

Program Delivery Type(s): Prescriptive

Deemed Savings Type: Deemed savings calculation

Savings Methodology: Engineering algorithms and estimates

Measure Description

This measure involves early retirement and recycling of an existing, full-size (7.75 ft³ or greater) refrigerator or combined refrigerator/freezer in a residential application. Savings represent the entire estimated energy consumption of the existing unit and are applicable over the estimated remaining life of the existing unit.

Eligibility Criteria

This measure applies to operable primary and secondary retired refrigerators/freezers. Recycling savings for this measure are limited to the removal of a working refrigerator/freezer from the electrical grid and differ from the savings specified in the ENERGY STAR® Refrigerator replacement measure. The latter, which pertain to the direct replacement of a refrigerator and reflect the difference in energy consumption between new ENERGY STAR® qualifying and standard efficiency models, may be claimed for the recycling of primary refrigerators/freezers that have been replaced if savings for that replacement were not already claimed in another energy efficiency program. To qualify, the customer must release the existing unit to the utility or utility representative to ensure proper disposal in accordance with applicable federal, state, and local regulations.

Baseline Condition

Without program intervention, the recycled refrigerator or refrigerator/freezer would have remained operable on the electrical grid. As a result, the baseline condition for early retirement programs is continued operation of the existing refrigerator.

High-Efficiency Condition

There is no efficiency standard for a recycling measure because the energy efficient action is the removal of an operable appliance, not—as with most demand-side management programs—the installation of a higher efficiency model.

Energy and Demand Savings Methodology

The basis for estimating energy savings is the annual energy consumption of the refrigerator or refrigerator/freezer being retired.

Savings Algorithms and Input Variables

Energy Savings Algorithms

Energy savings are calculated as follows:

$$kWh_{savings} = kWh_{existing} \times ISAF \times PUF$$

Equation 157

Where:

$kWh_{existing}$ = Average annual energy consumption⁴⁵⁷ (see Table 366)

$ISAF$ = In Situ Adjustment Factor⁴⁵⁸ = 0.942

PUF = Part Use Factor⁴⁵⁹ = 0.915

⁴⁵⁷ ENERGY STAR Flip Your Fridge Calculator.

<https://www.energystar.gov/index.cfm?fuseaction=refrig.calculator>.

⁴⁵⁸ The Cadmus Group, Inc. "Residential Retrofit High Impact Measure Evaluation Report". Prepared for California Public Utilities Commission Energy Division. February 8, 2010. Factor to account for variation between site conditions and controlled DOE testing conditions (90 °F test chamber, empty refrigerator and freezer cabinets, and no door openings). Appliances in warmer climate zones use more energy than those in cooler climate zones; utilized SCE data (highest percentage of warm climate projects) to best approximate Texas climate, p. 139-140.

⁴⁵⁹ Ibid. Factor to account for the number of refrigerators that were running, running part time, or not running at the time of recycling, p. 142-143 (weighted by representative utility survey participation, p. 117).

Table 366. Refrigerator/Freezer Recycling – Average Annual Energy Consumption⁴⁶⁰

Total capacity (ft ³)	Year manufactured	kWh _{existing} by freezer configuration				
		Top	Bottom	Side	Upright	Chest
< 16.5	≤ 2000	861	962	1,139	937	532
	2001-2010	556	724	747	713	435
	≥ 2011	374	483	592	449	292
15.5-18.9	≤ 2000	962	1,051	1,266	1,058	621
	2001-2010	613	747	818	805	508
	≥ 2011	412	517	640	507	341
19.0-21.4	≤ 2000	1,031	1,110	1,329	1,138	680
	2001-2010	651	762	854	866	557
	≥ 2011	438	539	664	545	373
21.5-24.4	≤ 2000	1,090	1,172	1,368	1,194	721
	2001-2010	683	777	876	909	591
	≥ 2011	459	562	679	572	396
≥ 24.5	≤ 2000	1,223	1,347	1,528	1,355	840
	2001-2010	758	822	966	1,031	688
	≥ 2011	508	627	740	648	461

Demand Savings Algorithms

Summer peak demand savings are calculated as follows:

$$kW_{savings} = \frac{kWh_{savings}}{AOH} \times LSAF$$

Equation 158

Where:

AOH = Annual operating hours = 8,760 hours

LSAF = Load shape adjustment factor (Table 367)

Table 367. Refrigerator/Freezer Recycling – Load Shape Adjustment Factors⁴⁶¹

Season	Climate zone 1: Amarillo	Climate zone 2: Dallas	Climate zone 3: Houston	Climate zone 4: Corpus Christi	Climate zone 5: El Paso
Summer	1.112	1.099	1.108	1.100	1.081
Winter	0.929	0.966	0.924	0.941	0.966

⁴⁶⁰ ENERGY STAR Flip Your Fridge Calculator.
<https://www.energystar.gov/index.cfm?fuseaction=refrig.calculator>.

⁴⁶¹ See Volume 1, Appendix B.

Deemed Energy Savings Tables

There are no lookup tables available for this measure. See engineering algorithms in the previous section for calculating energy and demand savings.

Deemed Summer Demand Savings Tables

There are no lookup tables available for this measure. See engineering algorithms in the previous section for calculating energy and demand savings.

Deemed Winter Demand Savings Tables

There are no lookup tables available for this measure. See engineering algorithms in the previous section for calculating energy and demand savings.

Claimed Peak Demand Savings

Refer to Volume 1, Section 4 for further details on peak demand savings and methodology.

Additional Calculators and Tools

Not applicable.

Measure Life and Lifetime Savings

Based on the KEMA Residential Refrigerator Recycling Ninth Year Retention Study,⁴⁶² the Estimated Useful Life of Refrigerator Recycling is 8 years, representing the assumed remaining useful life of the retired unit.

Program Tracking Data and Evaluation Requirements

Primary inputs and contextual data that should be specified and tracked by the program database to inform the evaluation and apply the savings properly are:

- Climate zone
- Number of refrigerators/freezers removed
- Year removed unit manufactured
- Total capacity (in cubic feet)
- Freezer configuration (top, bottom, side-by-side, upright, or chest)

⁴⁶² KEMA, Inc. "Residential Refrigerator Recycling Ninth Year Retention Study." Prepared for Southern California Edison Company. July 22, 2004.

References and Efficiency Standards

Petitions and Rulings

- Docket No. 42212. Petition of El Paso Electric Company to Approve Revisions to the Deemed Savings for the Appliance Recycling Market Transformation program. Public Utility Commission of Texas.

Relevant Standards and Reference Sources

Not applicable.

Document Revision History

Table 368. Residential Refrigerator/Freezer Recycling Revision History

TRM version	Date	Description of change
v2.1	1/30/2015	TRM v2.1 origin.
v3.0	4/10/2015	TRM v3.0 update. LSAF updated to align with new peak demand methodology.
v3.1	11/05/2015	TRM v3.1 update. No revision.
v3.1	3/28/2016	TRM v3.1 March revision. Updated summer and winter coincidence factors.
v4.0	10/10/2016	TRM v4.0 update. No revision.
v5.0	10/2017	TRM v5.0 update. No revision.
v6.0	11/2018	TRM v6.0 update. No revision.
v7.0	10/2019	TRM v7.0 update. No revision.
v8.0	10/2020	TRM v8.0 update. Updated baseline energy consumption.

APPENDIX A: CENTRAL AIR CONDITIONER AND HEAT PUMPS DEEMED SAVINGS TABLES

Deemed Energy Savings Tables⁴⁶³

Table 369 through Table 408 present the energy savings (kWh) 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 to change in capacity are highlighted in light blue.

The rightsizing savings specified in the tables below are only applicable to replace-on-burnout and early retirement projects. New construction projects are not eligible to receive deemed savings for system rightsizing.⁴⁶⁴

Climate Zone 1: Panhandle Region, Amarillo

Cooling, New Construction

Table 369: Central Energy Savings (Cooling kWh) for 14.0 SEER 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	21.0-23.9	24.0+
< 15,000	43	83	154	264	307	411	490
15,000-20,999	65	124	231	396	461	617	735
21,000-26,999	86	166	307	529	615	822	980
27,000-32,999	108	207	384	661	769	1,028	1,225
33,000-38,999	129	248	461	793	922	1,234	1,470
39,000-44,999	151	290	538	925	1,076	1,439	1,715
45,000-53,999	172	331	615	1,057	1,230	1,645	1,960
54,000-64,999	215	414	769	1,322	1,537	2,056	2,450

⁴⁶³ Rated capacity ranges are specified based on normal rounding convention between capacity categories (values at and above the midpoint round up, while values below the midpoint round down).

⁴⁶⁴ For projects using a custom baseline see TRM Volume 4.

Cooling, Replace-on-Burnout

Table 370: Central Energy Savings (Cooling kWh) for 13.08 SEER Baseline—Zone 1

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	119							
15,000-20,999	695	178						
21,000-26,999	1,271	754	237					
27,000-32,999	1,847	1,330	813	297				
33,000-38,999	2,423	1,906	1,389	873	356			
39,000-44,999	2,998	2,482	1,965	1,449	932	416		
45,000-53,999	3,574	3,058	2,541	2,025	1,508	992	475	
54,000-64,999	4,726	4,210	3,693	3,177	2,660	2,143	1,627	594
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	158							
15,000-20,999	734	238						
21,000-26,999	1,310	814	317					
27,000-32,999	1,886	1,390	893	396				
33,000-38,999	2,462	1,966	1,469	972	475			
39,000-44,999	3,038	2,541	2,045	1,548	1,051	555		
45,000-53,999	3,614	3,117	2,621	2,124	1,627	1,131	634	
54,000-64,999	4,766	4,269	3,773	3,276	2,779	2,283	1,786	792

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	229							
15,000-20,999	805	344						
21,000-26,999	1,381	920	459					
27,000-32,999	1,957	1,496	1,035	574				
33,000-38,999	2,533	2,072	1,611	1,150	688			
39,000-44,999	3,109	2,648	2,187	1,725	1,264	803		
45,000-53,999	3,685	3,224	2,763	2,301	1,840	1,379	918	
54,000-64,999	4,837	4,376	3,915	3,453	2,992	2,531	2,070	1,147
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	340							
15,000-20,999	916	510						
21,000-26,999	1,492	1,086	680					
27,000-32,999	2,068	1,662	1,256	850				
33,000-38,999	2,644	2,238	1,832	1,426	1,020			
39,000-44,999	3,220	2,814	2,408	2,002	1,596	1,190		
45,000-53,999	3,796	3,390	2,984	2,578	2,172	1,766	1,360	
54,000-64,999	4,948	4,542	4,136	3,730	3,324	2,918	2,512	1,700
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	383							
15,000-20,999	959	575						
21,000-26,999	1,535	1,151	766					
27,000-32,999	2,111	1,727	1,342	958				
33,000-38,999	2,687	2,303	1,918	1,534	1,149			
39,000-44,999	3,263	2,879	2,494	2,110	1,725	1,341		
45,000-53,999	3,839	3,454	3,070	2,686	2,301	1,917	1,533	
54,000-64,999	4,991	4,606	4,222	3,838	3,453	3,069	2,684	1,916

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	487							
15,000-20,999	1,063	730						
21,000-26,999	1,639	1,306	974					
27,000-32,999	2,215	1,882	1,550	1,217				
33,000-38,999	2,791	2,458	2,126	1,793	1,461			
39,000-44,999	3,367	3,034	2,702	2,369	2,037	1,704		
45,000-53,999	3,943	3,610	3,278	2,945	2,613	2,280	1,948	
54,000-64,999	5,094	4,762	4,430	4,097	3,765	3,432	3,100	2,435
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	566							
15,000-20,999	1,142	849						
21,000-26,999	1,718	1,425	1,132					
27,000-32,999	2,294	2,001	1,708	1,414				
33,000-38,999	2,870	2,577	2,283	1,990	1,697			
39,000-44,999	3,446	3,152	2,859	2,566	2,273	1,980		
45,000-53,999	4,021	3,728	3,435	3,142	2,849	2,556	2,263	
54,000-64,999	5,173	4,880	4,587	4,294	4,001	3,708	3,415	2,829

Cooling, Early Retirement

Table 371: Central Energy Savings (Cooling kWh) for 12.44 SEER Baseline—Zone 1

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	178							
15,000-20,999	784	267						
21,000-26,999	1,389	873	356					
27,000-32,999	1,995	1,478	962	445				
33,000-38,999	2,600	2,084	1,567	1,051	534			
39,000-44,999	3,206	2,689	2,173	1,656	1,140	623		
45,000-53,999	3,811	3,295	2,778	2,262	1,745	1,229	712	
54,000-64,999	5,023	4,506	3,989	3,473	2,956	2,440	1,923	890
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	218							
15,000-20,999	823	327						
21,000-26,999	1,429	932	435					
27,000-32,999	2,034	1,538	1,041	544				
33,000-38,999	2,640	2,143	1,647	1,150	653			
39,000-44,999	3,246	2,749	2,252	1,756	1,259	762		
45,000-53,999	3,851	3,354	2,858	2,361	1,864	1,368	871	
54,000-64,999	5,062	4,566	4,069	3,572	3,076	2,579	2,082	1,089

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	289							
15,000-20,999	894	433						
21,000-26,999	1,500	1,039	577					
27,000-32,999	2,105	1,644	1,183	722				
33,000-38,999	2,711	2,250	1,789	1,327	866			
39,000-44,999	3,317	2,855	2,394	1,933	1,472	1,010		
45,000-53,999	3,922	3,461	3,000	2,538	2,077	1,616	1,155	
54,000-64,999	5,133	4,672	4,211	3,750	3,288	2,827	2,366	1,443
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	399							
15,000-20,999	1,005	599						
21,000-26,999	1,610	1,204	799					
27,000-32,999	2,216	1,810	1,404	998				
33,000-38,999	2,822	2,416	2,010	1,604	1,198			
39,000-44,999	3,427	3,021	2,615	2,209	1,803	1,397		
45,000-53,999	4,033	3,627	3,221	2,815	2,409	2,003	1,597	
54,000-64,999	5,244	4,838	4,432	4,026	3,620	3,214	2,808	1,996
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	442							
15,000-20,999	1,048	664						
21,000-26,999	1,654	1,269	885					
27,000-32,999	2,259	1,875	1,490	1,106				
33,000-38,999	2,865	2,480	2,096	1,712	1,327			
39,000-44,999	3,470	3,086	2,702	2,317	1,933	1,548		
45,000-53,999	4,076	3,691	3,307	2,923	2,538	2,154	1,770	
54,000-64,999	5,287	4,903	4,518	4,134	3,750	3,365	2,981	2,212

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	546							
15,000-20,999	1,152	819						
21,000-26,999	1,757	1,425	1,092					
27,000-32,999	2,363	2,030	1,698	1,365				
33,000-38,999	2,968	2,636	2,304	1,971	1,639			
39,000-44,999	3,574	3,242	2,909	2,577	2,244	1,912		
45,000-53,999	4,180	3,847	3,515	3,182	2,850	2,517	2,185	
54,000-64,999	5,391	5,058	4,726	4,393	4,061	3,728	3,396	2,731
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	625							
15,000-20,999	1,231	938						
21,000-26,999	1,836	1,543	1,250					
27,000-32,999	2,442	2,149	1,856	1,563				
33,000-38,999	3,047	2,754	2,461	2,168	1,875			
39,000-44,999	3,653	3,360	3,067	2,774	2,481	2,188		
45,000-53,999	4,259	3,965	3,672	3,379	3,086	2,793	2,500	
54,000-64,999	5,470	5,177	4,884	4,591	4,297	4,004	3,711	3,125

Table 372: Central Energy Savings (Cooling kWh) for 10.0 SEER Early Retirement Baseline—Zone
1

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	474							
15,000-20,999	1,227	710						
21,000-26,999	1,980	1,464	947					
27,000-32,999	2,734	2,217	1,700	1,184				
33,000-38,999	3,487	2,970	2,454	1,937	1,421			
39,000-44,999	4,240	3,724	3,207	2,690	2,174	1,657		
45,000-53,999	4,994	4,477	3,960	3,444	2,927	2,411	1,894	
54,000-64,999	6,500	5,984	5,467	4,950	4,434	3,917	3,401	2,368
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	513							
15,000-20,999	1,267	770						
21,000-26,999	2,020	1,523	1,027					
27,000-32,999	2,773	2,277	1,780	1,283				
33,000-38,999	3,527	3,030	2,533	2,036	1,540			
39,000-44,999	4,280	3,783	3,287	2,790	2,293	1,796		
45,000-53,999	5,033	4,537	4,040	3,543	3,046	2,550	2,053	
54,000-64,999	6,540	6,043	5,547	5,050	4,553	4,056	3,560	2,566

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	584							
15,000-20,999	1,338	876						
21,000-26,999	2,091	1,630	1,168					
27,000-32,999	2,844	2,383	1,922	1,461				
33,000-38,999	3,598	3,136	2,675	2,214	1,753			
39,000-44,999	4,351	3,890	3,428	2,967	2,506	2,045		
45,000-53,999	5,104	4,643	4,182	3,721	3,259	2,798	2,337	
54,000-64,999	6,611	6,150	5,688	5,227	4,766	4,305	3,844	2,921
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	695							
15,000-20,999	1,448	1,042						
21,000-26,999	2,201	1,796	1,390					
27,000-32,999	2,955	2,549	2,143	1,737				
33,000-38,999	3,708	3,302	2,896	2,490	2,084			
39,000-44,999	4,461	4,056	3,650	3,244	2,838	2,432		
45,000-53,999	5,215	4,809	4,403	3,997	3,591	3,185	2,779	
54,000-64,999	6,721	6,316	5,910	5,504	5,098	4,692	4,286	3,474
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	738							
15,000-20,999	1,491	1,107						
21,000-26,999	2,245	1,860	1,476					
27,000-32,999	2,998	2,614	2,229	1,845				
33,000-38,999	3,751	3,367	2,983	2,598	2,214			
39,000-44,999	4,505	4,120	3,736	3,351	2,967	2,583		
45,000-53,999	5,258	4,874	4,489	4,105	3,720	3,336	2,952	
54,000-64,999	6,765	6,380	5,996	5,612	5,227	4,843	4,458	3,690

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	842							
15,000-20,999	1,595	1,263						
21,000-26,999	2,348	2,016	1,683					
27,000-32,999	3,102	2,769	2,437	2,104				
33,000-38,999	3,855	3,523	3,190	2,858	2,525			
39,000-44,999	4,608	4,276	3,943	3,611	3,278	2,946		
45,000-53,999	5,362	5,029	4,697	4,364	4,032	3,699	3,367	
54,000-64,999	6,868	6,536	6,203	5,871	5,538	5,206	4,874	4,209
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	921							
15,000-20,999	1,674	1,381						
21,000-26,999	2,427	2,134	1,841					
27,000-32,999	3,181	2,888	2,594	2,301				
33,000-38,999	3,934	3,641	3,348	3,055	2,762			
39,000-44,999	4,687	4,394	4,101	3,808	3,515	3,222		
45,000-53,999	5,441	5,148	4,854	4,561	4,268	3,975	3,682	
54,000-64,999	6,947	6,654	6,361	6,068	5,775	5,482	5,189	4,603

Heating, New Construction/Replace-on-Burnout

Table 373: Central Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 1

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	139							
15,000-20,999	1,177	208						
21,000-26,999	2,216	1,247	278					
27,000-32,999	3,254	2,285	1,316	347				
33,000-38,999	4,293	3,324	2,355	1,386	417			
39,000-44,999	5,331	4,362	3,393	2,424	1,455	486		
45,000-53,999	6,370	5,401	4,432	3,463	2,493	1,524	555	
54,000-64,999	8,447	7,478	6,509	5,539	4,570	3,601	2,632	694
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	297							
15,000-20,999	1,335	445						
21,000-26,999	2,373	1,483	593					
27,000-32,999	3,412	2,522	1,632	741				
33,000-38,999	4,450	3,560	2,670	1,780	890			
39,000-44,999	5,489	4,599	3,708	2,818	1,928	1,038		
45,000-53,999	6,527	5,637	4,747	3,857	2,967	2,076	1,186	
54,000-64,999	8,604	7,714	6,824	5,934	5,043	4,153	3,263	1,483

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	378							
15,000-20,999	1,417	568						
21,000-26,999	2,455	1,606	757					
27,000-32,999	3,494	2,645	1,795	946				
33,000-38,999	4,532	3,683	2,834	1,984	1,135			
39,000-44,999	5,571	4,721	3,872	3,023	2,174	1,324		
45,000-53,999	6,609	5,760	4,911	4,061	3,212	2,363	1,514	
54,000-64,999	8,686	7,837	6,988	6,138	5,289	4,440	3,591	1,892
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	409							
15,000-20,999	1,448	614						
21,000-26,999	2,486	1,652	818					
27,000-32,999	3,525	2,691	1,857	1,023				
33,000-38,999	4,563	3,729	2,895	2,061	1,228			
39,000-44,999	5,602	4,768	3,934	3,100	2,266	1,432		
45,000-53,999	6,640	5,806	4,972	4,138	3,304	2,471	1,637	
54,000-64,999	8,717	7,883	7,049	6,215	5,381	4,548	3,714	2,046
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	439							
15,000-20,999	1,477	658						
21,000-26,999	2,516	1,697	878					
27,000-32,999	3,554	2,735	1,916	1,097				
33,000-38,999	4,593	3,774	2,955	2,136	1,316			
39,000-44,999	5,631	4,812	3,993	3,174	2,355	1,536		
45,000-53,999	6,670	5,851	5,032	4,212	3,393	2,574	1,755	
54,000-64,999	8,747	7,928	7,108	6,289	5,470	4,651	3,832	2,194

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	467							
15,000-20,999	1,506	701						
21,000-26,999	2,544	1,740	935					
27,000-32,999	3,583	2,778	1,973	1,168				
33,000-38,999	4,621	3,816	3,012	2,207	1,402			
39,000-44,999	5,660	4,855	4,050	3,245	2,441	1,636		
45,000-53,999	6,698	5,893	5,089	4,284	3,479	2,674	1,870	
54,000-64,999	8,775	7,970	7,166	6,361	5,556	4,751	3,946	2,337
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	495							
15,000-20,999	1,533	742						
21,000-26,999	2,572	1,781	990					
27,000-32,999	3,610	2,819	2,028	1,237				
33,000-38,999	4,649	3,858	3,067	2,276	1,485			
39,000-44,999	5,687	4,896	4,105	3,314	2,523	1,732		
45,000-53,999	6,726	5,935	5,144	4,353	3,562	2,771	1,980	
54,000-64,999	8,803	8,012	7,221	6,430	5,639	4,848	4,057	2,475
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	511							
15,000-20,999	1,549	766						
21,000-26,999	2,588	1,805	1,022					
27,000-32,999	3,626	2,843	2,060	1,277				
33,000-38,999	4,665	3,882	3,099	2,316	1,533			
39,000-44,999	5,703	4,920	4,137	3,354	2,571	1,788		
45,000-53,999	6,742	5,959	5,176	4,393	3,610	2,827	2,044	
54,000-64,999	8,819	8,036	7,253	6,470	5,687	4,904	4,121	2,555

Heating, Early Retirement of a Heat Pump

Table 374: Central Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 1

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	336							
15,000-20,999	1,472	503						
21,000-26,999	2,609	1,640	671					
27,000-32,999	3,746	2,777	1,808	839				
33,000-38,999	4,883	3,914	2,945	1,976	1,007			
39,000-44,999	6,020	5,050	4,081	3,112	2,143	1,174		
45,000-53,999	7,156	6,187	5,218	4,249	3,280	2,311	1,342	
54,000-64,999	9,430	8,461	7,492	6,523	5,554	4,585	3,616	1,678
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	493							
15,000-20,999	1,630	740						
21,000-26,999	2,767	1,877	986					
27,000-32,999	3,904	3,013	2,123	1,233				
33,000-38,999	5,040	4,150	3,260	2,370	1,480			
39,000-44,999	6,177	5,287	4,397	3,507	2,616	1,726		
45,000-53,999	7,314	6,424	5,534	4,643	3,753	2,863	1,973	
54,000-64,999	9,588	8,697	7,807	6,917	6,027	5,137	4,246	2,466

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	575							
15,000-20,999	1,712	863						
21,000-26,999	2,849	1,999	1,150					
27,000-32,999	3,985	3,136	2,287	1,438				
33,000-38,999	5,122	4,273	3,424	2,574	1,725			
39,000-44,999	6,259	5,410	4,561	3,711	2,862	2,013		
45,000-53,999	7,396	6,547	5,697	4,848	3,999	3,149	2,300	
54,000-64,999	9,669	8,820	7,971	7,122	6,272	5,423	4,574	2,875
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	606							
15,000-20,999	1,743	909						
21,000-26,999	2,879	2,046	1,212					
27,000-32,999	4,016	3,182	2,348	1,515				
33,000-38,999	5,153	4,319	3,485	2,651	1,818			
39,000-44,999	6,290	5,456	4,622	3,788	2,954	2,120		
45,000-53,999	7,427	6,593	5,759	4,925	4,091	3,257	2,423	
54,000-64,999	9,700	8,866	8,033	7,199	6,365	5,531	4,697	3,029
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	635							
15,000-20,999	1,772	953						
21,000-26,999	2,909	2,090	1,271					
27,000-32,999	4,046	3,227	2,408	1,589				
33,000-38,999	5,183	4,364	3,545	2,726	1,906			
39,000-44,999	6,320	5,500	4,681	3,862	3,043	2,224		
45,000-53,999	7,456	6,637	5,818	4,999	4,180	3,361	2,542	
54,000-64,999	9,730	8,911	8,092	7,273	6,454	5,635	4,816	3,177

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	664							
15,000-20,999	1,801	996						
21,000-26,999	2,938	2,133	1,328					
27,000-32,999	4,074	3,270	2,465	1,660				
33,000-38,999	5,211	4,406	3,602	2,797	1,992			
39,000-44,999	6,348	5,543	4,738	3,934	3,129	2,324		
45,000-53,999	7,485	6,680	5,875	5,071	4,266	3,461	2,656	
54,000-64,999	9,758	8,954	8,149	7,344	6,539	5,735	4,930	3,320
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	692							
15,000-20,999	1,828	1,037						
21,000-26,999	2,965	2,174	1,383					
27,000-32,999	4,102	3,311	2,520	1,729				
33,000-38,999	5,239	4,448	3,657	2,866	2,075			
39,000-44,999	6,376	5,585	4,794	4,003	3,211	2,420		
45,000-53,999	7,512	6,721	5,930	5,139	4,348	3,557	2,766	
54,000-64,999	9,786	8,995	8,204	7,413	6,622	5,831	5,040	3,458
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	708							
15,000-20,999	1,844	1,061						
21,000-26,999	2,981	2,198	1,415					
27,000-32,999	4,118	3,335	2,552	1,769				
33,000-38,999	5,255	4,472	3,689	2,906	2,123			
39,000-44,999	6,392	5,609	4,826	4,043	3,260	2,477		
45,000-53,999	7,528	6,745	5,962	5,179	4,396	3,613	2,830	
54,000-64,999	9,802	9,019	8,236	7,453	6,670	5,887	5,104	3,538

Table 375: Central Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 1

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	808							
15,000-20,999	2,181	1,212						
21,000-26,999	3,554	2,585	1,616					
27,000-32,999	4,927	3,958	2,989	2,020				
33,000-38,999	6,300	5,331	4,362	3,393	2,424			
39,000-44,999	7,673	6,704	5,735	4,766	3,797	2,828		
45,000-53,999	9,046	8,077	7,108	6,139	5,170	4,201	3,232	
54,000-64,999	11,792	10,823	9,854	8,885	7,916	6,947	5,978	4,040
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	966							
15,000-20,999	2,339	1,448						
21,000-26,999	3,712	2,821	1,931					
27,000-32,999	5,085	4,195	3,304	2,414				
33,000-38,999	6,458	5,568	4,677	3,787	2,897			
39,000-44,999	7,831	6,941	6,050	5,160	4,270	3,380		
45,000-53,999	9,204	8,314	7,423	6,533	5,643	4,753	3,863	
54,000-64,999	11,950	11,060	10,169	9,279	8,389	7,499	6,609	4,828

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,048							
15,000-20,999	2,421	1,571						
21,000-26,999	3,794	2,944	2,095					
27,000-32,999	5,167	4,317	3,468	2,619				
33,000-38,999	6,540	5,690	4,841	3,992	3,143			
39,000-44,999	7,913	7,063	6,214	5,365	4,516	3,666		
45,000-53,999	9,286	8,436	7,587	6,738	5,889	5,039	4,190	
54,000-64,999	12,032	11,182	10,333	9,484	8,635	7,785	6,936	5,238
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,078							
15,000-20,999	2,451	1,617						
21,000-26,999	3,824	2,990	2,157					
27,000-32,999	5,197	4,364	3,530	2,696				
33,000-38,999	6,570	5,737	4,903	4,069	3,235			
39,000-44,999	7,943	7,110	6,276	5,442	4,608	3,774		
45,000-53,999	9,316	8,483	7,649	6,815	5,981	5,147	4,313	
54,000-64,999	12,063	11,229	10,395	9,561	8,727	7,893	7,059	5,391
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,108							
15,000-20,999	2,481	1,662						
21,000-26,999	3,854	3,035	2,216					
27,000-32,999	5,227	4,408	3,589	2,770				
33,000-38,999	6,600	5,781	4,962	4,143	3,324			
39,000-44,999	7,973	7,154	6,335	5,516	4,697	3,878		
45,000-53,999	9,346	8,527	7,708	6,889	6,070	5,251	4,432	
54,000-64,999	12,092	11,273	10,454	9,635	8,816	7,997	7,178	5,540

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,136							
15,000-20,999	2,510	1,705						
21,000-26,999	3,883	3,078	2,273					
27,000-32,999	5,256	4,451	3,646	2,841				
33,000-38,999	6,629	5,824	5,019	4,214	3,409			
39,000-44,999	8,002	7,197	6,392	5,587	4,783	3,978		
45,000-53,999	9,375	8,570	7,765	6,960	6,156	5,351	4,546	
54,000-64,999	12,121	11,316	10,511	9,706	8,902	8,097	7,292	5,682
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,164							
15,000-20,999	2,537	1,746						
21,000-26,999	3,910	3,119	2,328					
27,000-32,999	5,283	4,492	3,701	2,910				
33,000-38,999	6,656	5,865	5,074	4,283	3,492			
39,000-44,999	8,029	7,238	6,447	5,656	4,865	4,074		
45,000-53,999	9,402	8,611	7,820	7,029	6,238	5,447	4,656	
54,000-64,999	12,148	11,357	10,566	9,775	8,984	8,193	7,402	5,820
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,180							
15,000-20,999	2,553	1,770						
21,000-26,999	3,926	3,143	2,360					
27,000-32,999	5,299	4,516	3,733	2,950				
33,000-38,999	6,672	5,889	5,106	4,323	3,540			
39,000-44,999	8,045	7,262	6,479	5,696	4,913	4,130		
45,000-53,999	9,418	8,635	7,852	7,069	6,286	5,503	4,720	
54,000-64,999	12,164	11,381	10,598	9,815	9,032	8,249	7,466	5,900

Heating, Early Retirement of an Electric Resistance Furnace

Table 376: Central Energy Savings (Heating kWh) for 3.412 HSPF Baseline—Zone 1

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	4,313							
15,000-20,999	7,438	6,469						
21,000-26,999	10,564	9,595	8,626					
27,000-32,999	13,689	12,720	11,751	10,782				
33,000-38,999	16,815	15,846	14,876	13,907	12,938			
39,000-44,999	19,940	18,971	18,002	17,033	16,064	15,095		
45,000-53,999	23,065	22,096	21,127	20,158	19,189	18,220	17,251	
54,000-64,999	29,316	28,347	27,378	26,409	25,440	24,471	23,502	21,564
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	4,470							
15,000-20,999	7,596	6,706						
21,000-26,999	10,721	9,831	8,941					
27,000-32,999	13,847	12,957	12,066	11,176				
33,000-38,999	16,972	16,082	15,192	14,302	13,411			
39,000-44,999	20,098	19,207	18,317	17,427	16,537	15,647		
45,000-53,999	23,223	22,333	21,443	20,552	19,662	18,772	17,882	
54,000-64,999	29,474	28,584	27,694	26,803	25,913	25,023	24,133	22,352

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	4,552							
15,000-20,999	7,678	6,828						
21,000-26,999	10,803	9,954	9,105					
27,000-32,999	13,929	13,079	12,230	11,381				
33,000-38,999	17,054	16,205	15,356	14,506	13,657			
39,000-44,999	20,180	19,330	18,481	17,632	16,782	15,933		
45,000-53,999	23,305	22,456	21,606	20,757	19,908	19,059	18,209	
54,000-64,999	29,556	28,707	27,857	27,008	26,159	25,310	24,460	22,762
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	4,583							
15,000-20,999	7,709	6,875						
21,000-26,999	10,834	10,000	9,166					
27,000-32,999	13,959	13,126	12,292	11,458				
33,000-38,999	17,085	16,251	15,417	14,583	13,749			
39,000-44,999	20,210	19,376	18,543	17,709	16,875	16,041		
45,000-53,999	23,336	22,502	21,668	20,834	20,000	19,166	18,332	
54,000-64,999	29,587	28,753	27,919	27,085	26,251	25,417	24,583	22,916
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	4,613							
15,000-20,999	7,738	6,919						
21,000-26,999	10,864	10,045	9,226					
27,000-32,999	13,989	13,170	12,351	11,532				
33,000-38,999	17,115	16,295	15,476	14,657	13,838			
39,000-44,999	20,240	19,421	18,602	17,783	16,964	16,145		
45,000-53,999	23,365	22,546	21,727	20,908	20,089	19,270	18,451	
54,000-64,999	29,616	28,797	27,978	27,159	26,340	25,521	24,702	23,064

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	4,641							
15,000-20,999	7,767	6,962						
21,000-26,999	10,892	10,087	9,283					
27,000-32,999	14,018	13,213	12,408	11,603				
33,000-38,999	17,143	16,338	15,534	14,729	13,924			
39,000-44,999	20,269	19,464	18,659	17,854	17,049	16,245		
45,000-53,999	23,394	22,589	21,784	20,980	20,175	19,370	18,565	
54,000-64,999	29,645	28,840	28,035	27,231	26,426	25,621	24,816	23,207
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	4,669							
15,000-20,999	7,794	7,003						
21,000-26,999	10,920	10,129	9,338					
27,000-32,999	14,045	13,254	12,463	11,672				
33,000-38,999	17,171	16,380	15,589	14,798	14,007			
39,000-44,999	20,296	19,505	18,714	17,923	17,132	16,341		
45,000-53,999	23,422	22,631	21,839	21,048	20,257	19,466	18,675	
54,000-64,999	29,672	28,881	28,090	27,299	26,508	25,717	24,926	23,344
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	4,685							
15,000-20,999	7,810	7,027						
21,000-26,999	10,936	10,153	9,370					
27,000-32,999	14,061	13,278	12,495	11,712				
33,000-38,999	17,187	16,404	15,621	14,838	14,055			
39,000-44,999	20,312	19,529	18,746	17,963	17,180	16,397		
45,000-53,999	23,438	22,655	21,872	21,089	20,306	19,523	18,740	
54,000-64,999	29,688	28,905	28,122	27,339	26,556	25,773	24,990	23,424

Climate Zone 2: North Region, Dallas/Fort Worth

Cooling, New Construction

Table 377: Central Energy Savings (Cooling kWh) for 14.0 SEER 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	21.0-23.9	24.0+
< 15,000	70	134	249	433	502	672	800
15,000-20,999	105	201	374	649	753	1,008	1,200
21,000-26,999	140	268	498	865	1,004	1,343	1,601
27,000-32,999	174	335	623	1,082	1,256	1,679	2,001
33,000-38,999	209	403	748	1,298	1,507	2,015	2,401
39,000-44,999	244	470	872	1,514	1,758	2,351	2,801
45,000-53,999	279	537	997	1,731	2,009	2,687	3,201
54,000-64,999	349	671	1,246	2,163	2,511	3,359	4,001

Cooling, Replace-on-Burnout

Table 378: Central Energy Savings (Cooling kWh) for 13.08 SEER Baseline—Zone 2

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	192							
15,000-20,999	1,126	289						
21,000-26,999	2,060	1,222	385					
27,000-32,999	2,993	2,156	1,318	481				
33,000-38,999	3,927	3,089	2,252	1,415	577			
39,000-44,999	4,860	4,023	3,186	2,348	1,511	674		
45,000-53,999	5,794	4,956	4,119	3,282	2,445	1,607	770	
54,000-64,999	7,661	6,824	5,986	5,149	4,312	3,474	2,637	962

15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	257							
15,000-20,999	1,190	385						
21,000-26,999	2,124	1,319	514					
27,000-32,999	3,058	2,252	1,447	642				
33,000-38,999	3,991	3,186	2,381	1,576	771			
39,000-44,999	4,925	4,120	3,314	2,509	1,704	899		
45,000-53,999	5,858	5,053	4,248	3,443	2,638	1,833	1,028	
54,000-64,999	7,725	6,920	6,115	5,310	4,505	3,700	2,895	1,284
16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	372							
15,000-20,999	1,305	558						
21,000-26,999	2,239	1,491	744					
27,000-32,999	3,173	2,425	1,677	930				
33,000-38,999	4,106	3,359	2,611	1,863	1,116			
39,000-44,999	5,040	4,292	3,544	2,797	2,049	1,302		
45,000-53,999	5,973	5,226	4,478	3,730	2,983	2,235	1,488	
54,000-64,999	7,840	7,093	6,345	5,598	4,850	4,102	3,355	1,859
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	555							
15,000-20,999	1,489	833						
21,000-26,999	2,422	1,767	1,111					
27,000-32,999	3,356	2,700	2,044	1,388				
33,000-38,999	4,290	3,634	2,978	2,322	1,666			
39,000-44,999	5,223	4,567	3,911	3,256	2,600	1,944		
45,000-53,999	6,157	5,501	4,845	4,189	3,533	2,877	2,221	
54,000-64,999	8,024	7,368	6,712	6,056	5,400	4,744	4,089	2,777

18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	625							
15,000-20,999	1,558	937						
21,000-26,999	2,492	1,871	1,250					
27,000-32,999	3,426	2,805	2,183	1,562				
33,000-38,999	4,359	3,738	3,117	2,496	1,875			
39,000-44,999	5,293	4,672	4,051	3,429	2,808	2,187		
45,000-53,999	6,226	5,605	4,984	4,363	3,742	3,121	2,500	
54,000-64,999	8,093	7,472	6,851	6,230	5,609	4,988	4,367	3,125
21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	794							
15,000-20,999	1,728	1,192						
21,000-26,999	2,662	2,125	1,589					
27,000-32,999	3,595	3,059	2,522	1,986				
33,000-38,999	4,529	3,992	3,456	2,920	2,383			
39,000-44,999	5,462	4,926	4,389	3,853	3,317	2,780		
45,000-53,999	6,396	5,859	5,323	4,787	4,250	3,714	3,178	
54,000-64,999	8,263	7,727	7,190	6,654	6,117	5,581	5,045	3,972
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	923							
15,000-20,999	1,857	1,384						
21,000-26,999	2,790	2,318	1,846					
27,000-32,999	3,724	3,252	2,779	2,307				
33,000-38,999	4,657	4,185	3,713	3,241	2,769			
39,000-44,999	5,591	5,119	4,647	4,174	3,702	3,230		
45,000-53,999	6,524	6,052	5,580	5,108	4,636	4,164	3,692	
54,000-64,999	8,391	7,919	7,447	6,975	6,503	6,031	5,559	4,615

Cooling, Early Retirement

Table 379: Central Energy Savings (Cooling kWh) for 12.44 SEER Baseline—Zone 2

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	289							
15,000-20,999	1,270	433						
21,000-26,999	2,252	1,414	577					
27,000-32,999	3,233	2,396	1,559	721				
33,000-38,999	4,215	3,378	2,540	1,703	866			
39,000-44,999	5,196	4,359	3,522	2,684	1,847	1,010		
45,000-53,999	6,178	5,341	4,503	3,666	2,829	1,991	1,154	
54,000-64,999	8,141	7,304	6,467	5,629	4,792	3,955	3,117	1,443
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	353							
15,000-20,999	1,335	529						
21,000-26,999	2,316	1,511	706					
27,000-32,999	3,298	2,493	1,687	882				
33,000-38,999	4,279	3,474	2,669	1,864	1,059			
39,000-44,999	5,261	4,456	3,651	2,846	2,040	1,235		
45,000-53,999	6,242	5,437	4,632	3,827	3,022	2,217	1,412	
54,000-64,999	8,206	7,400	6,595	5,790	4,985	4,180	3,375	1,765

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	468							
15,000-20,999	1,450	702						
21,000-26,999	2,431	1,684	936					
27,000-32,999	3,413	2,665	1,917	1,170				
33,000-38,999	4,394	3,647	2,899	2,151	1,404			
39,000-44,999	5,376	4,628	3,881	3,133	2,385	1,638		
45,000-53,999	6,357	5,610	4,862	4,115	3,367	2,619	1,872	
54,000-64,999	8,321	7,573	6,825	6,078	5,330	4,583	3,835	2,340
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	651							
15,000-20,999	1,633	977						
21,000-26,999	2,615	1,959	1,303					
27,000-32,999	3,596	2,940	2,284	1,629				
33,000-38,999	4,578	3,922	3,266	2,610	1,954			
39,000-44,999	5,559	4,903	4,248	3,592	2,936	2,280		
45,000-53,999	6,541	5,885	5,229	4,573	3,917	3,262	2,606	
54,000-64,999	8,504	7,848	7,192	6,536	5,881	5,225	4,569	3,257
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	721							
15,000-20,999	1,703	1,081						
21,000-26,999	2,684	2,063	1,442					
27,000-32,999	3,666	3,045	2,424	1,802				
33,000-38,999	4,647	4,026	3,405	2,784	2,163			
39,000-44,999	5,629	5,008	4,387	3,766	3,145	2,523		
45,000-53,999	6,610	5,989	5,368	4,747	4,126	3,505	2,884	
54,000-64,999	8,574	7,953	7,331	6,710	6,089	5,468	4,847	3,605

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	890							
15,000-20,999	1,872	1,336						
21,000-26,999	2,854	2,317	1,781					
27,000-32,999	3,835	3,299	2,763	2,226				
33,000-38,999	4,817	4,280	3,744	3,208	2,671			
39,000-44,999	5,798	5,262	4,726	4,189	3,653	3,117		
45,000-53,999	6,780	6,244	5,707	5,171	4,635	4,098	3,562	
54,000-64,999	8,743	8,207	7,670	7,134	6,598	6,061	5,525	4,452
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,019							
15,000-20,999	2,001	1,529						
21,000-26,999	2,982	2,510	2,038					
27,000-32,999	3,964	3,492	3,020	2,548				
33,000-38,999	4,945	4,473	4,001	3,529	3,057			
39,000-44,999	5,927	5,455	4,983	4,511	4,039	3,567		
45,000-53,999	6,909	6,436	5,964	5,492	5,020	4,548	4,076	
54,000-64,999	8,872	8,400	7,928	7,455	6,983	6,511	6,039	5,095

Table 380: Central Energy Savings (Cooling kWh) for 10.0 SEER Early Retirement Baseline—Zone
2

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	768							
15,000-20,999	1,989	1,151						
21,000-26,999	3,210	2,372	1,535					
27,000-32,999	4,431	3,593	2,756	1,919				
33,000-38,999	5,652	4,815	3,977	3,140	2,303			
39,000-44,999	6,873	6,036	5,198	4,361	3,524	2,686		
45,000-53,999	8,094	7,257	6,419	5,582	4,745	3,907	3,070	
54,000-64,999	10,536	9,699	8,862	8,024	7,187	6,350	5,512	3,838
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	832							
15,000-20,999	2,053	1,248						
21,000-26,999	3,274	2,469	1,664					
27,000-32,999	4,495	3,690	2,885	2,080				
33,000-38,999	5,716	4,911	4,106	3,301	2,496			
39,000-44,999	6,937	6,132	5,327	4,522	3,717	2,912		
45,000-53,999	8,158	7,353	6,548	5,743	4,938	4,133	3,328	
54,000-64,999	10,601	9,796	8,990	8,185	7,380	6,575	5,770	4,160

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	947							
15,000-20,999	2,168	1,420						
21,000-26,999	3,389	2,642	1,894					
27,000-32,999	4,610	3,863	3,115	2,367				
33,000-38,999	5,831	5,084	4,336	3,589	2,841			
39,000-44,999	7,052	6,305	5,557	4,810	4,062	3,314		
45,000-53,999	8,274	7,526	6,778	6,031	5,283	4,535	3,788	
54,000-64,999	10,716	9,968	9,220	8,473	7,725	6,978	6,230	4,735
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,130							
15,000-20,999	2,352	1,696						
21,000-26,999	3,573	2,917	2,261					
27,000-32,999	4,794	4,138	3,482	2,826				
33,000-38,999	6,015	5,359	4,703	4,047	3,391			
39,000-44,999	7,236	6,580	5,924	5,268	4,612	3,957		
45,000-53,999	8,457	7,801	7,145	6,489	5,833	5,178	4,522	
54,000-64,999	10,899	10,243	9,587	8,932	8,276	7,620	6,964	5,652
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,200							
15,000-20,999	2,421	1,800						
21,000-26,999	3,642	3,021	2,400					
27,000-32,999	4,863	4,242	3,621	3,000				
33,000-38,999	6,084	5,463	4,842	4,221	3,600			
39,000-44,999	7,305	6,684	6,063	5,442	4,821	4,200		
45,000-53,999	8,527	7,905	7,284	6,663	6,042	5,421	4,800	
54,000-64,999	10,969	10,348	9,727	9,105	8,484	7,863	7,242	6,000

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,369							
15,000-20,999	2,591	2,054						
21,000-26,999	3,812	3,275	2,739					
27,000-32,999	5,033	4,496	3,960	3,424				
33,000-38,999	6,254	5,717	5,181	4,645	4,108			
39,000-44,999	7,475	6,939	6,402	5,866	5,330	4,793		
45,000-53,999	8,696	8,160	7,623	7,087	6,551	6,014	5,478	
54,000-64,999	11,138	10,602	10,065	9,529	8,993	8,456	7,920	6,847
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,498							
15,000-20,999	2,719	2,247						
21,000-26,999	3,940	3,468	2,996					
27,000-32,999	5,161	4,689	4,217	3,745				
33,000-38,999	6,382	5,910	5,438	4,966	4,494			
39,000-44,999	7,603	7,131	6,659	6,187	5,715	5,243		
45,000-53,999	8,825	8,352	7,880	7,408	6,936	6,464	5,992	
54,000-64,999	11,267	10,795	10,323	9,851	9,378	8,906	8,434	7,490

Heating, New Construction/Replace-on-Burnout

Table 381: Central Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 2

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	78							
15,000-20,999	649	118						
21,000-26,999	1,220	688	157					
27,000-32,999	1,790	1,259	728	196				
33,000-38,999	2,361	1,830	1,298	767	235			
39,000-44,999	2,932	2,400	1,869	1,337	806	275		
45,000-53,999	3,502	2,971	2,440	1,908	1,377	845	314	
54,000-64,999	4,644	4,112	3,581	3,049	2,518	1,987	1,455	392
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	168							
15,000-20,999	738	251						
21,000-26,999	1,309	822	335					
27,000-32,999	1,880	1,393	906	419				
33,000-38,999	2,450	1,963	1,476	990	503			
39,000-44,999	3,021	2,534	2,047	1,560	1,073	586		
45,000-53,999	3,592	3,105	2,618	2,131	1,644	1,157	670	
54,000-64,999	4,733	4,246	3,759	3,272	2,785	2,298	1,812	838

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	214							
15,000-20,999	784	321						
21,000-26,999	1,355	891	428					
27,000-32,999	1,926	1,462	998	535				
33,000-38,999	2,496	2,033	1,569	1,105	641			
39,000-44,999	3,067	2,603	2,140	1,676	1,212	748		
45,000-53,999	3,638	3,174	2,710	2,247	1,783	1,319	855	
54,000-64,999	4,779	4,315	3,852	3,388	2,924	2,460	1,997	1,069
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	231							
15,000-20,999	802	347						
21,000-26,999	1,373	917	462					
27,000-32,999	1,943	1,488	1,033	578				
33,000-38,999	2,514	2,059	1,604	1,149	694			
39,000-44,999	3,085	2,629	2,174	1,719	1,264	809		
45,000-53,999	3,655	3,200	2,745	2,290	1,835	1,380	925	
54,000-64,999	4,797	4,341	3,886	3,431	2,976	2,521	2,066	1,156
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	248							
15,000-20,999	819	372						
21,000-26,999	1,389	943	496					
27,000-32,999	1,960	1,513	1,067	620				
33,000-38,999	2,531	2,084	1,637	1,191	744			
39,000-44,999	3,101	2,655	2,208	1,761	1,315	868		
45,000-53,999	3,672	3,225	2,779	2,332	1,885	1,438	992	
54,000-64,999	4,813	4,367	3,920	3,473	3,027	2,580	2,133	1,240

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	264							
15,000-20,999	835	396						
21,000-26,999	1,405	967	528					
27,000-32,999	1,976	1,537	1,099	660				
33,000-38,999	2,547	2,108	1,670	1,231	792			
39,000-44,999	3,117	2,679	2,240	1,802	1,363	924		
45,000-53,999	3,688	3,249	2,811	2,372	1,934	1,495	1,056	
54,000-64,999	4,829	4,391	3,952	3,514	3,075	2,636	2,198	1,320
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	280							
15,000-20,999	850	419						
21,000-26,999	1,421	990	559					
27,000-32,999	1,992	1,561	1,130	699				
33,000-38,999	2,562	2,131	1,701	1,270	839			
39,000-44,999	3,133	2,702	2,271	1,840	1,410	979		
45,000-53,999	3,704	3,273	2,842	2,411	1,980	1,549	1,119	
54,000-64,999	4,845	4,414	3,983	3,552	3,122	2,691	2,260	1,398
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	289							
15,000-20,999	859	433						
21,000-26,999	1,430	1,004	577					
27,000-32,999	2,001	1,574	1,148	722				
33,000-38,999	2,571	2,145	1,719	1,292	866			
39,000-44,999	3,142	2,716	2,289	1,863	1,437	1,010		
45,000-53,999	3,713	3,286	2,860	2,434	2,007	1,581	1,155	
54,000-64,999	4,854	4,428	4,001	3,575	3,149	2,722	2,296	1,444

Heating, Early Retirement of a Heat Pump

Table 382: Central Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 2

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	190							
15,000-20,999	816	284						
21,000-26,999	1,442	911	379					
27,000-32,999	2,068	1,537	1,005	474				
33,000-38,999	2,694	2,163	1,632	1,100	569			
39,000-44,999	3,321	2,789	2,258	1,726	1,195	664		
45,000-53,999	3,947	3,416	2,884	2,353	1,821	1,290	758	
54,000-64,999	5,199	4,668	4,137	3,605	3,074	2,542	2,011	948
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	279							
15,000-20,999	905	418						
21,000-26,999	1,531	1,044	557					
27,000-32,999	2,157	1,670	1,184	697				
33,000-38,999	2,784	2,297	1,810	1,323	836			
39,000-44,999	3,410	2,923	2,436	1,949	1,462	975		
45,000-53,999	4,036	3,549	3,062	2,575	2,088	1,602	1,115	
54,000-64,999	5,288	4,802	4,315	3,828	3,341	2,854	2,367	1,393

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	325							
15,000-20,999	951	487						
21,000-26,999	1,577	1,114	650					
27,000-32,999	2,204	1,740	1,276	812				
33,000-38,999	2,830	2,366	1,902	1,439	975			
39,000-44,999	3,456	2,992	2,529	2,065	1,601	1,137		
45,000-53,999	4,082	3,619	3,155	2,691	2,227	1,763	1,300	
54,000-64,999	5,335	4,871	4,407	3,943	3,480	3,016	2,552	1,625
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	342							
15,000-20,999	969	513						
21,000-26,999	1,595	1,140	685					
27,000-32,999	2,221	1,766	1,311	856				
33,000-38,999	2,847	2,392	1,937	1,482	1,027			
39,000-44,999	3,473	3,018	2,563	2,108	1,653	1,198		
45,000-53,999	4,100	3,645	3,190	2,734	2,279	1,824	1,369	
54,000-64,999	5,352	4,897	4,442	3,987	3,532	3,077	2,622	1,712
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	359							
15,000-20,999	985	539						
21,000-26,999	1,612	1,165	718					
27,000-32,999	2,238	1,791	1,344	898				
33,000-38,999	2,864	2,417	1,971	1,524	1,077			
39,000-44,999	3,490	3,044	2,597	2,150	1,703	1,257		
45,000-53,999	4,116	3,670	3,223	2,776	2,330	1,883	1,436	
54,000-64,999	5,369	4,922	4,476	4,029	3,582	3,135	2,689	1,795

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	375							
15,000-20,999	1,001	563						
21,000-26,999	1,628	1,189	750					
27,000-32,999	2,254	1,815	1,377	938				
33,000-38,999	2,880	2,441	2,003	1,564	1,126			
39,000-44,999	3,506	3,068	2,629	2,190	1,752	1,313		
45,000-53,999	4,133	3,694	3,255	2,817	2,378	1,939	1,501	
54,000-64,999	5,385	4,946	4,508	4,069	3,631	3,192	2,753	1,876
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	391							
15,000-20,999	1,017	586						
21,000-26,999	1,643	1,212	782					
27,000-32,999	2,269	1,839	1,408	977				
33,000-38,999	2,896	2,465	2,034	1,603	1,172			
39,000-44,999	3,522	3,091	2,660	2,229	1,798	1,368		
45,000-53,999	4,148	3,717	3,286	2,856	2,425	1,994	1,563	
54,000-64,999	5,401	4,970	4,539	4,108	3,677	3,246	2,815	1,954
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	400							
15,000-20,999	1,026	600						
21,000-26,999	1,652	1,226	800					
27,000-32,999	2,279	1,852	1,426	1,000				
33,000-38,999	2,905	2,478	2,052	1,626	1,199			
39,000-44,999	3,531	3,105	2,678	2,252	1,826	1,399		
45,000-53,999	4,157	3,731	3,305	2,878	2,452	2,026	1,599	
54,000-64,999	5,410	4,983	4,557	4,131	3,704	3,278	2,852	1,999

Table 383: Central Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 2

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	457							
15,000-20,999	1,216	685						
21,000-26,999	1,976	1,444	913					
27,000-32,999	2,736	2,204	1,673	1,141				
33,000-38,999	3,495	2,964	2,432	1,901	1,370			
39,000-44,999	4,255	3,724	3,192	2,661	2,129	1,598		
45,000-53,999	5,015	4,483	3,952	3,420	2,889	2,358	1,826	
54,000-64,999	6,534	6,003	5,471	4,940	4,408	3,877	3,346	2,283
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	546							
15,000-20,999	1,305	818						
21,000-26,999	2,065	1,578	1,091					
27,000-32,999	2,825	2,338	1,851	1,364				
33,000-38,999	3,584	3,098	2,611	2,124	1,637			
39,000-44,999	4,344	3,857	3,370	2,883	2,397	1,910		
45,000-53,999	5,104	4,617	4,130	3,643	3,156	2,669	2,182	
54,000-64,999	6,623	6,136	5,649	5,163	4,676	4,189	3,702	2,728

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	592							
15,000-20,999	1,352	888						
21,000-26,999	2,111	1,648	1,184					
27,000-32,999	2,871	2,407	1,943	1,480				
33,000-38,999	3,631	3,167	2,703	2,239	1,776			
39,000-44,999	4,390	3,927	3,463	2,999	2,535	2,072		
45,000-53,999	5,150	4,686	4,223	3,759	3,295	2,831	2,368	
54,000-64,999	6,670	6,206	5,742	5,278	4,814	4,351	3,887	2,959
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	609							
15,000-20,999	1,369	914						
21,000-26,999	2,129	1,674	1,219					
27,000-32,999	2,888	2,433	1,978	1,523				
33,000-38,999	3,648	3,193	2,738	2,283	1,828			
39,000-44,999	4,408	3,953	3,498	3,043	2,588	2,132		
45,000-53,999	5,168	4,712	4,257	3,802	3,347	2,892	2,437	
54,000-64,999	6,687	6,232	5,777	5,322	4,867	4,412	3,956	3,046
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	626							
15,000-20,999	1,386	939						
21,000-26,999	2,145	1,699	1,252					
27,000-32,999	2,905	2,458	2,012	1,565				
33,000-38,999	3,665	3,218	2,771	2,325	1,878			
39,000-44,999	4,425	3,978	3,531	3,084	2,638	2,191		
45,000-53,999	5,184	4,738	4,291	3,844	3,397	2,951	2,504	
54,000-64,999	6,704	6,257	5,810	5,364	4,917	4,470	4,023	3,130

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	642							
15,000-20,999	1,402	963						
21,000-26,999	2,162	1,723	1,284					
27,000-32,999	2,921	2,483	2,044	1,605				
33,000-38,999	3,681	3,242	2,804	2,365	1,926			
39,000-44,999	4,441	4,002	3,563	3,125	2,686	2,248		
45,000-53,999	5,200	4,762	4,323	3,885	3,446	3,007	2,569	
54,000-64,999	6,720	6,281	5,843	5,404	4,965	4,527	4,088	3,211
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	658							
15,000-20,999	1,417	987						
21,000-26,999	2,177	1,746	1,315					
27,000-32,999	2,937	2,506	2,075	1,644				
33,000-38,999	3,697	3,266	2,835	2,404	1,973			
39,000-44,999	4,456	4,025	3,595	3,164	2,733	2,302		
45,000-53,999	5,216	4,785	4,354	3,923	3,493	3,062	2,631	
54,000-64,999	6,735	6,305	5,874	5,443	5,012	4,581	4,150	3,289
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	667							
15,000-20,999	1,426	1,000						
21,000-26,999	2,186	1,760	1,334					
27,000-32,999	2,946	2,520	2,093	1,667				
33,000-38,999	3,706	3,279	2,853	2,427	2,000			
39,000-44,999	4,465	4,039	3,613	3,186	2,760	2,334		
45,000-53,999	5,225	4,799	4,372	3,946	3,520	3,093	2,667	
54,000-64,999	6,744	6,318	5,892	5,465	5,039	4,613	4,187	3,334

Heating, Early Retirement of an Electric Resistance Furnace

Table 384: Central Energy Savings (Heating kWh) for 3.412 HSPF Baseline—Zone 2

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	2,461							
15,000-20,999	4,224	3,692						
21,000-26,999	5,986	5,454	4,923					
27,000-32,999	7,748	7,217	6,685	6,154				
33,000-38,999	9,510	8,979	8,447	7,916	7,384			
39,000-44,999	11,272	10,741	10,209	9,678	9,147	8,615		
45,000-53,999	13,035	12,503	11,972	11,440	10,909	10,377	9,846	
54,000-64,999	16,559	16,027	15,496	14,965	14,433	13,902	13,370	12,307
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	2,551							
15,000-20,999	4,313	3,826						
21,000-26,999	6,075	5,588	5,101					
27,000-32,999	7,837	7,350	6,863	6,376				
33,000-38,999	9,599	9,112	8,625	8,139	7,652			
39,000-44,999	11,361	10,875	10,388	9,901	9,414	8,927		
45,000-53,999	13,124	12,637	12,150	11,663	11,176	10,689	10,202	
54,000-64,999	16,648	16,161	15,674	15,187	14,700	14,213	13,727	12,753

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	2,597							
15,000-20,999	4,359	3,895						
21,000-26,999	6,121	5,657	5,194					
27,000-32,999	7,883	7,420	6,956	6,492				
33,000-38,999	9,646	9,182	8,718	8,254	7,790			
39,000-44,999	11,408	10,944	10,480	10,016	9,553	9,089		
45,000-53,999	13,170	12,706	12,242	11,779	11,315	10,851	10,387	
54,000-64,999	16,694	16,230	15,767	15,303	14,839	14,375	13,912	12,984
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	2,614							
15,000-20,999	4,376	3,921						
21,000-26,999	6,139	5,684	5,228					
27,000-32,999	7,901	7,446	6,991	6,536				
33,000-38,999	9,663	9,208	8,753	8,298	7,843			
39,000-44,999	11,425	10,970	10,515	10,060	9,605	9,150		
45,000-53,999	13,187	12,732	12,277	11,822	11,367	10,912	10,457	
54,000-64,999	16,712	16,257	15,801	15,346	14,891	14,436	13,981	13,071
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	2,631							
15,000-20,999	4,393	3,946						
21,000-26,999	6,155	5,709	5,262					
27,000-32,999	7,917	7,471	7,024	6,577				
33,000-38,999	9,680	9,233	8,786	8,340	7,893			
39,000-44,999	11,442	10,995	10,548	10,102	9,655	9,208		
45,000-53,999	13,204	12,757	12,311	11,864	11,417	10,971	10,524	
54,000-64,999	16,728	16,282	15,835	15,388	14,942	14,495	14,048	13,155

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	2,647							
15,000-20,999	4,409	3,971						
21,000-26,999	6,171	5,733	5,294					
27,000-32,999	7,934	7,495	7,056	6,618				
33,000-38,999	9,696	9,257	8,819	8,380	7,941			
39,000-44,999	11,458	11,019	10,581	10,142	9,703	9,265		
45,000-53,999	13,220	12,782	12,343	11,904	11,466	11,027	10,588	
54,000-64,999	16,745	16,306	15,867	15,429	14,990	14,551	14,113	13,235
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	2,663							
15,000-20,999	4,425	3,994						
21,000-26,999	6,187	5,756	5,325					
27,000-32,999	7,949	7,518	7,087	6,657				
33,000-38,999	9,711	9,281	8,850	8,419	7,988			
39,000-44,999	11,474	11,043	10,612	10,181	9,750	9,319		
45,000-53,999	13,236	12,805	12,374	11,943	11,512	11,081	10,651	
54,000-64,999	16,760	16,329	15,898	15,468	15,037	14,606	14,175	13,313
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	2,672							
15,000-20,999	4,434	4,008						
21,000-26,999	6,196	5,770	5,343					
27,000-32,999	7,958	7,532	7,106	6,679				
33,000-38,999	9,720	9,294	8,868	8,441	8,015			
39,000-44,999	11,483	11,056	10,630	10,204	9,777	9,351		
45,000-53,999	13,245	12,818	12,392	11,966	11,540	11,113	10,687	
54,000-64,999	16,769	16,343	15,917	15,490	15,064	14,638	14,211	13,359

Climate Zone 3: South Region, Houston

Cooling, New Construction

Table 385: Central Energy Savings (Cooling kWh) for 14.0 SEER 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	21.0–23.9	24.0+
< 15,000	82	157	292	504	586	783	933
15,000-20,999	123	236	438	756	879	1,175	1,400
21,000-26,999	163	314	584	1,008	1,172	1,566	1,866
27,000-32,999	204	393	729	1,260	1,465	1,958	2,333
33,000-38,999	245	471	875	1,512	1,757	2,350	2,799
39,000-44,999	286	550	1,021	1,764	2,050	2,741	3,266
45,000-53,999	327	628	1,167	2,017	2,343	3,133	3,732
54,000-64,999	409	786	1,459	2,521	2,929	3,916	4,665

Cooling, Replace-on-Burnout

Table 386: Central Energy Savings (Cooling kWh) for 13.08 SEER Baseline—Zone 3

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	225							
15,000-20,999	1,318	338						
21,000-26,999	2,412	1,431	451					
27,000-32,999	3,505	2,524	1,544	563				
33,000-38,999	4,598	3,617	2,637	1,656	676			
39,000-44,999	5,691	4,710	3,730	2,750	1,769	789		
45,000-53,999	6,784	5,803	4,823	3,843	2,862	1,882	901	
54,000-64,999	8,970	7,990	7,009	6,029	5,048	4,068	3,088	1,127

15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	301							
15,000-20,999	1,394	451						
21,000-26,999	2,487	1,544	602					
27,000-32,999	3,580	2,637	1,695	752				
33,000-38,999	4,673	3,730	2,788	1,845	902			
39,000-44,999	5,766	4,823	3,881	2,938	1,995	1,053		
45,000-53,999	6,859	5,917	4,974	4,031	3,089	2,146	1,203	
54,000-64,999	9,045	8,103	7,160	6,217	5,275	4,332	3,389	1,504
16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	435							
15,000-20,999	1,529	653						
21,000-26,999	2,622	1,746	871					
27,000-32,999	3,715	2,839	1,964	1,089				
33,000-38,999	4,808	3,932	3,057	2,182	1,306			
39,000-44,999	5,901	5,026	4,150	3,275	2,399	1,524		
45,000-53,999	6,994	6,119	5,243	4,368	3,493	2,617	1,742	
54,000-64,999	9,180	8,305	7,429	6,554	5,679	4,803	3,928	2,177
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	648							
15,000-20,999	1,741	972						
21,000-26,999	2,834	2,065	1,296					
27,000-32,999	3,927	3,158	2,389	1,619				
33,000-38,999	5,020	4,251	3,482	2,713	1,943			
39,000-44,999	6,113	5,344	4,575	3,806	3,036	2,267		
45,000-53,999	7,206	6,437	5,668	4,899	4,130	3,360	2,591	
54,000-64,999	9,392	8,623	7,854	7,085	6,316	5,547	4,777	3,239

18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	729							
15,000-20,999	1,823	1,094						
21,000-26,999	2,916	2,187	1,459					
27,000-32,999	4,009	3,280	2,552	1,824				
33,000-38,999	5,102	4,373	3,645	2,917	2,188			
39,000-44,999	6,195	5,467	4,738	4,010	3,282	2,553		
45,000-53,999	7,288	6,560	5,831	5,103	4,375	3,646	2,918	
54,000-64,999	9,474	8,746	8,017	7,289	6,561	5,832	5,104	3,647
21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	927							
15,000-20,999	2,020	1,390						
21,000-26,999	3,113	2,483	1,854					
27,000-32,999	4,206	3,576	2,947	2,317				
33,000-38,999	5,299	4,670	4,040	3,410	2,781			
39,000-44,999	6,392	5,763	5,133	4,503	3,874	3,244		
45,000-53,999	7,485	6,856	6,226	5,596	4,967	4,337	3,707	
54,000-64,999	9,672	9,042	8,412	7,783	7,153	6,523	5,894	4,634
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,077							
15,000-20,999	2,170	1,615						
21,000-26,999	3,263	2,708	2,154					
27,000-32,999	4,356	3,801	3,247	2,692				
33,000-38,999	5,449	4,894	4,340	3,785	3,230			
39,000-44,999	6,542	5,987	5,433	4,878	4,323	3,769		
45,000-53,999	7,635	7,081	6,526	5,971	5,416	4,862	4,307	
54,000-64,999	9,821	9,267	8,712	8,157	7,603	7,048	6,493	5,384

Cooling, Early Retirement

Table 387: Central Energy Savings (Cooling kWh) for 12.44 SEER Baseline—Zone 3

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	338							
15,000-20,999	1,487	507						
21,000-26,999	2,636	1,656	676					
27,000-32,999	3,786	2,805	1,825	845				
33,000-38,999	4,935	3,955	2,974	1,994	1,014			
39,000-44,999	6,084	5,104	4,124	3,143	2,163	1,182		
45,000-53,999	7,234	6,253	5,273	4,293	3,312	2,332	1,351	
54,000-64,999	9,532	8,552	7,572	6,591	5,611	4,630	3,650	1,689
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	413							
15,000-20,999	1,563	620						
21,000-26,999	2,712	1,769	826					
27,000-32,999	3,861	2,919	1,976	1,033				
33,000-38,999	5,011	4,068	3,125	2,182	1,240			
39,000-44,999	6,160	5,217	4,274	3,332	2,389	1,446		
45,000-53,999	7,309	6,366	5,424	4,481	3,538	2,596	1,653	
54,000-64,999	9,608	8,665	7,722	6,780	5,837	4,894	3,952	2,066

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	548							
15,000-20,999	1,697	822						
21,000-26,999	2,847	1,971	1,096					
27,000-32,999	3,996	3,121	2,245	1,370				
33,000-38,999	5,145	4,270	3,394	2,519	1,644			
39,000-44,999	6,295	5,419	4,544	3,668	2,793	1,918		
45,000-53,999	7,444	6,568	5,693	4,818	3,942	3,067	2,192	
54,000-64,999	9,742	8,867	7,992	7,116	6,241	5,366	4,490	2,740
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	760							
15,000-20,999	1,910	1,140						
21,000-26,999	3,059	2,290	1,521					
27,000-32,999	4,208	3,439	2,670	1,901				
33,000-38,999	5,358	4,588	3,819	3,050	2,281			
39,000-44,999	6,507	5,738	4,968	4,199	3,430	2,661		
45,000-53,999	7,656	6,887	6,118	5,349	4,579	3,810	3,041	
54,000-64,999	9,955	9,186	8,416	7,647	6,878	6,109	5,340	3,801
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	842							
15,000-20,999	1,991	1,263						
21,000-26,999	3,141	2,412	1,684					
27,000-32,999	4,290	3,562	2,833	2,105				
33,000-38,999	5,439	4,711	3,983	3,254	2,526			
39,000-44,999	6,589	5,860	5,132	4,404	3,675	2,947		
45,000-53,999	7,738	7,010	6,281	5,553	4,824	4,096	3,368	
54,000-64,999	10,037	9,308	8,580	7,851	7,123	6,395	5,666	4,210

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,039							
15,000-20,999	2,189	1,559						
21,000-26,999	3,338	2,708	2,079					
27,000-32,999	4,487	3,858	3,228	2,598				
33,000-38,999	5,637	5,007	4,377	3,748	3,118			
39,000-44,999	6,786	6,156	5,527	4,897	4,267	3,638		
45,000-53,999	7,935	7,306	6,676	6,046	5,417	4,787	4,157	
54,000-64,999	10,234	9,604	8,975	8,345	7,715	7,086	6,456	5,197
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,189							
15,000-20,999	2,339	1,784						
21,000-26,999	3,488	2,933	2,378					
27,000-32,999	4,637	4,082	3,528	2,973				
33,000-38,999	5,787	5,232	4,677	4,122	3,568			
39,000-44,999	6,936	6,381	5,826	5,272	4,717	4,162		
45,000-53,999	8,085	7,530	6,976	6,421	5,866	5,312	4,757	
54,000-64,999	10,384	9,829	9,274	8,720	8,165	7,610	7,056	5,946

Table 388: Central Energy Savings (Cooling kWh) for 10.0 SEER Early Retirement Baseline—Zone 3

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	899							
15,000-20,999	2,328	1,348						
21,000-26,999	3,758	2,778	1,797					
27,000-32,999	5,188	4,208	3,227	2,247				
33,000-38,999	6,618	5,637	4,657	3,677	2,696			
39,000-44,999	8,047	7,067	6,087	5,106	4,126	3,145		
45,000-53,999	9,477	8,497	7,516	6,536	5,556	4,575	3,595	
54,000-64,999	12,337	11,356	10,376	9,396	8,415	7,435	6,454	4,494
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	974							
15,000-20,999	2,404	1,461						
21,000-26,999	3,834	2,891	1,948					
27,000-32,999	5,263	4,321	3,378	2,435				
33,000-38,999	6,693	5,750	4,808	3,865	2,922			
39,000-44,999	8,123	7,180	6,237	5,295	4,352	3,409		
45,000-53,999	9,553	8,610	7,667	6,725	5,782	4,839	3,896	
54,000-64,999	12,412	11,469	10,527	9,584	8,641	7,699	6,756	4,871

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,109							
15,000-20,999	2,539	1,663						
21,000-26,999	3,968	3,093	2,218					
27,000-32,999	5,398	4,523	3,647	2,772				
33,000-38,999	6,828	5,952	5,077	4,202	3,326			
39,000-44,999	8,258	7,382	6,507	5,631	4,756	3,881		
45,000-53,999	9,687	8,812	7,937	7,061	6,186	5,311	4,435	
54,000-64,999	12,547	11,671	10,796	9,921	9,045	8,170	7,295	5,544
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,321							
15,000-20,999	2,751	1,982						
21,000-26,999	4,181	3,411	2,642					
27,000-32,999	5,610	4,841	4,072	3,303				
33,000-38,999	7,040	6,271	5,502	4,733	3,963			
39,000-44,999	8,470	7,701	6,932	6,162	5,393	4,624		
45,000-53,999	9,900	9,130	8,361	7,592	6,823	6,054	5,285	
54,000-64,999	12,759	11,990	11,221	10,452	9,682	8,913	8,144	6,606
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,403							
15,000-20,999	2,833	2,104						
21,000-26,999	4,262	3,534	2,806					
27,000-32,999	5,692	4,964	4,235	3,507				
33,000-38,999	7,122	6,393	5,665	4,937	4,208			
39,000-44,999	8,552	7,823	7,095	6,367	5,638	4,910		
45,000-53,999	9,981	9,253	8,525	7,796	7,068	6,340	5,611	
54,000-64,999	12,841	12,112	11,384	10,656	9,927	9,199	8,471	7,014

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,600							
15,000-20,999	3,030	2,400						
21,000-26,999	4,460	3,830	3,200					
27,000-32,999	5,889	5,260	4,630	4,001				
33,000-38,999	7,319	6,690	6,060	5,430	4,801			
39,000-44,999	8,749	8,119	7,490	6,860	6,230	5,601		
45,000-53,999	10,179	9,549	8,919	8,290	7,660	7,030	6,401	
54,000-64,999	13,038	12,409	11,779	11,149	10,520	9,890	9,260	8,001
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,750							
15,000-20,999	3,180	2,625						
21,000-26,999	4,610	4,055	3,500					
27,000-32,999	6,039	5,485	4,930	4,375				
33,000-38,999	7,469	6,914	6,360	5,805	5,250			
39,000-44,999	8,899	8,344	7,789	7,235	6,680	6,125		
45,000-53,999	10,329	9,774	9,219	8,664	8,110	7,555	7,000	
54,000-64,999	13,188	12,633	12,079	11,524	10,969	10,415	9,860	8,750

Heating, New Construction/Replace-on-Burnout

Table 389: Central Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 3

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	51							
15,000-20,999	420	77						
21,000-26,999	789	446	102					
27,000-32,999	1,158	815	471	128				
33,000-38,999	1,527	1,184	840	497	154			
39,000-44,999	1,896	1,552	1,209	866	523	179		
45,000-53,999	2,265	1,921	1,578	1,235	892	548	205	
54,000-64,999	3,003	2,659	2,316	1,973	1,629	1,286	943	256
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	109							
15,000-20,999	478	164						
21,000-26,999	847	533	219					
27,000-32,999	1,216	902	588	274				
33,000-38,999	1,585	1,271	957	642	328			
39,000-44,999	1,954	1,640	1,326	1,011	697	383		
45,000-53,999	2,323	2,009	1,694	1,380	1,066	752	438	
54,000-64,999	3,061	2,747	2,432	2,118	1,804	1,490	1,176	547

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	140							
15,000-20,999	509	209						
21,000-26,999	877	578	279					
27,000-32,999	1,246	947	648	349				
33,000-38,999	1,615	1,316	1,017	718	419			
39,000-44,999	1,984	1,685	1,386	1,087	788	489		
45,000-53,999	2,353	2,054	1,755	1,456	1,157	858	559	
54,000-64,999	3,091	2,792	2,493	2,194	1,895	1,595	1,296	698
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	151							
15,000-20,999	520	226						
21,000-26,999	889	595	302					
27,000-32,999	1,258	964	671	377				
33,000-38,999	1,627	1,333	1,040	746	453			
39,000-44,999	1,996	1,702	1,409	1,115	822	528		
45,000-53,999	2,364	2,071	1,778	1,484	1,191	897	604	
54,000-64,999	3,102	2,809	2,515	2,222	1,929	1,635	1,342	755
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	162							
15,000-20,999	531	243						
21,000-26,999	900	612	324					
27,000-32,999	1,269	981	693	405				
33,000-38,999	1,638	1,350	1,062	774	486			
39,000-44,999	2,006	1,719	1,431	1,143	855	567		
45,000-53,999	2,375	2,087	1,800	1,512	1,224	936	648	
54,000-64,999	3,113	2,825	2,537	2,249	1,961	1,674	1,386	810

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	172							
15,000-20,999	541	259						
21,000-26,999	910	628	345					
27,000-32,999	1,279	997	714	431				
33,000-38,999	1,648	1,365	1,083	800	517			
39,000-44,999	2,017	1,734	1,452	1,169	886	604		
45,000-53,999	2,386	2,103	1,821	1,538	1,255	973	690	
54,000-64,999	3,124	2,841	2,558	2,276	1,993	1,710	1,428	862
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	183							
15,000-20,999	552	274						
21,000-26,999	920	643	365					
27,000-32,999	1,289	1,012	734	457				
33,000-38,999	1,658	1,381	1,103	825	548			
39,000-44,999	2,027	1,750	1,472	1,194	917	639		
45,000-53,999	2,396	2,119	1,841	1,563	1,286	1,008	731	
54,000-64,999	3,134	2,856	2,579	2,301	2,024	1,746	1,468	913
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	189							
15,000-20,999	557	283						
21,000-26,999	926	652	377					
27,000-32,999	1,295	1,021	746	471				
33,000-38,999	1,664	1,390	1,115	840	566			
39,000-44,999	2,033	1,758	1,484	1,209	935	660		
45,000-53,999	2,402	2,127	1,853	1,578	1,303	1,029	754	
54,000-64,999	3,140	2,865	2,591	2,316	2,041	1,767	1,492	943

Heating, Early Retirement of a Heat Pump

Table 390: Central Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 3

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	124							
15,000-20,999	529	186						
21,000-26,999	934	591	248					
27,000-32,999	1,339	996	653	310				
33,000-38,999	1,745	1,401	1,058	715	371			
39,000-44,999	2,150	1,807	1,463	1,120	777	433		
45,000-53,999	2,555	2,212	1,868	1,525	1,182	839	495	
54,000-64,999	3,365	3,022	2,679	2,336	1,992	1,649	1,306	619
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	182							
15,000-20,999	587	273						
21,000-26,999	992	678	364					
27,000-32,999	1,398	1,083	769	455				
33,000-38,999	1,803	1,489	1,174	860	546			
39,000-44,999	2,208	1,894	1,580	1,265	951	637		
45,000-53,999	2,613	2,299	1,985	1,671	1,356	1,042	728	
54,000-64,999	3,424	3,109	2,795	2,481	2,167	1,853	1,538	910

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	212							
15,000-20,999	617	318						
21,000-26,999	1,023	724	424					
27,000-32,999	1,428	1,129	830	531				
33,000-38,999	1,833	1,534	1,235	936	637			
39,000-44,999	2,238	1,939	1,640	1,341	1,042	743		
45,000-53,999	2,643	2,344	2,045	1,746	1,447	1,148	849	
54,000-64,999	3,454	3,155	2,856	2,557	2,257	1,958	1,659	1,061
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	224							
15,000-20,999	629	335						
21,000-26,999	1,034	741	447					
27,000-32,999	1,439	1,146	852	559				
33,000-38,999	1,844	1,551	1,258	964	671			
39,000-44,999	2,250	1,956	1,663	1,369	1,076	782		
45,000-53,999	2,655	2,361	2,068	1,775	1,481	1,188	894	
54,000-64,999	3,465	3,172	2,878	2,585	2,291	1,998	1,705	1,118
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	235							
15,000-20,999	640	352						
21,000-26,999	1,045	757	469					
27,000-32,999	1,450	1,162	874	586				
33,000-38,999	1,855	1,567	1,279	991	704			
39,000-44,999	2,260	1,973	1,685	1,397	1,109	821		
45,000-53,999	2,666	2,378	2,090	1,802	1,514	1,226	938	
54,000-64,999	3,476	3,188	2,900	2,612	2,324	2,036	1,748	1,173

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	245							
15,000-20,999	650	368						
21,000-26,999	1,055	773	490					
27,000-32,999	1,461	1,178	895	613				
33,000-38,999	1,866	1,583	1,300	1,018	735			
39,000-44,999	2,271	1,988	1,706	1,423	1,140	858		
45,000-53,999	2,676	2,394	2,111	1,828	1,546	1,263	980	
54,000-64,999	3,487	3,204	2,921	2,639	2,356	2,073	1,791	1,225
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	255							
15,000-20,999	660	383						
21,000-26,999	1,066	788	510					
27,000-32,999	1,471	1,193	916	638				
33,000-38,999	1,876	1,598	1,321	1,043	766			
39,000-44,999	2,281	2,004	1,726	1,448	1,171	893		
45,000-53,999	2,686	2,409	2,131	1,854	1,576	1,298	1,021	
54,000-64,999	3,497	3,219	2,942	2,664	2,386	2,109	1,831	1,276
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	261							
15,000-20,999	666	392						
21,000-26,999	1,072	797	522					
27,000-32,999	1,477	1,202	927	653				
33,000-38,999	1,882	1,607	1,333	1,058	783			
39,000-44,999	2,287	2,012	1,738	1,463	1,189	914		
45,000-53,999	2,692	2,418	2,143	1,868	1,594	1,319	1,045	
54,000-64,999	3,503	3,228	2,953	2,679	2,404	2,130	1,855	1,306

Table 391: Central Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 3

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	298							
15,000-20,999	791	447						
21,000-26,999	1,283	940	596					
27,000-32,999	1,775	1,432	1,089	745				
33,000-38,999	2,268	1,924	1,581	1,238	894			
39,000-44,999	2,760	2,417	2,073	1,730	1,387	1,044		
45,000-53,999	3,252	2,909	2,566	2,223	1,879	1,536	1,193	
54,000-64,999	4,237	3,894	3,551	3,207	2,864	2,521	2,177	1,491
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	356							
15,000-20,999	849	535						
21,000-26,999	1,341	1,027	713					
27,000-32,999	1,833	1,519	1,205	891				
33,000-38,999	2,326	2,012	1,697	1,383	1,069			
39,000-44,999	2,818	2,504	2,190	1,876	1,561	1,247		
45,000-53,999	3,311	2,996	2,682	2,368	2,054	1,740	1,425	
54,000-64,999	4,295	3,981	3,667	3,353	3,039	2,724	2,410	1,782

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	387							
15,000-20,999	879	580						
21,000-26,999	1,371	1,072	773					
27,000-32,999	1,864	1,565	1,265	966				
33,000-38,999	2,356	2,057	1,758	1,459	1,160			
39,000-44,999	2,848	2,549	2,250	1,951	1,652	1,353		
45,000-53,999	3,341	3,042	2,743	2,444	2,144	1,845	1,546	
54,000-64,999	4,326	4,026	3,727	3,428	3,129	2,830	2,531	1,933
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	398							
15,000-20,999	890	597						
21,000-26,999	1,383	1,089	796					
27,000-32,999	1,875	1,582	1,288	995				
33,000-38,999	2,367	2,074	1,781	1,487	1,194			
39,000-44,999	2,860	2,566	2,273	1,980	1,686	1,393		
45,000-53,999	3,352	3,059	2,765	2,472	2,178	1,885	1,592	
54,000-64,999	4,337	4,043	3,750	3,457	3,163	2,870	2,576	1,990
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	409							
15,000-20,999	901	613						
21,000-26,999	1,394	1,106	818					
27,000-32,999	1,886	1,598	1,310	1,022				
33,000-38,999	2,378	2,090	1,802	1,515	1,227			
39,000-44,999	2,871	2,583	2,295	2,007	1,719	1,431		
45,000-53,999	3,363	3,075	2,787	2,499	2,211	1,923	1,635	
54,000-64,999	4,348	4,060	3,772	3,484	3,196	2,908	2,620	2,044

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	419							
15,000-20,999	912	629						
21,000-26,999	1,404	1,121	839					
27,000-32,999	1,897	1,614	1,331	1,048				
33,000-38,999	2,389	2,106	1,824	1,541	1,258			
39,000-44,999	2,881	2,599	2,316	2,033	1,751	1,468		
45,000-53,999	3,374	3,091	2,808	2,526	2,243	1,960	1,678	
54,000-64,999	4,358	4,076	3,793	3,510	3,228	2,945	2,662	2,097
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	430							
15,000-20,999	922	644						
21,000-26,999	1,414	1,137	859					
27,000-32,999	1,907	1,629	1,351	1,074				
33,000-38,999	2,399	2,121	1,844	1,566	1,289			
39,000-44,999	2,891	2,614	2,336	2,059	1,781	1,503		
45,000-53,999	3,384	3,106	2,829	2,551	2,273	1,996	1,718	
54,000-64,999	4,369	4,091	3,813	3,536	3,258	2,981	2,703	2,148
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	435							
15,000-20,999	928	653						
21,000-26,999	1,420	1,146	871					
27,000-32,999	1,913	1,638	1,363	1,089				
33,000-38,999	2,405	2,130	1,856	1,581	1,306			
39,000-44,999	2,897	2,623	2,348	2,073	1,799	1,524		
45,000-53,999	3,390	3,115	2,840	2,566	2,291	2,017	1,742	
54,000-64,999	4,374	4,100	3,825	3,551	3,276	3,001	2,727	2,177

Heating, Early Retirement of an Electric Resistance Furnace

Table 392: Central Energy Savings (Heating kWh) for 3.412 HSPF Baseline—Zone 3

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,613							
15,000-20,999	2,764	2,420						
21,000-26,999	3,914	3,570	3,227					
27,000-32,999	5,064	4,720	4,377	4,034				
33,000-38,999	6,214	5,870	5,527	5,184	4,840			
39,000-44,999	7,364	7,020	6,677	6,334	5,991	5,647		
45,000-53,999	8,514	8,170	7,827	7,484	7,141	6,797	6,454	
54,000-64,999	10,814	10,470	10,127	9,784	9,441	9,097	8,754	8,067
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,672							
15,000-20,999	2,822	2,508						
21,000-26,999	3,972	3,658	3,343					
27,000-32,999	5,122	4,808	4,493	4,179				
33,000-38,999	6,272	5,958	5,643	5,329	5,015			
39,000-44,999	7,422	7,108	6,793	6,479	6,165	5,851		
45,000-53,999	8,572	8,258	7,944	7,629	7,315	7,001	6,687	
54,000-64,999	10,872	10,558	10,244	9,929	9,615	9,301	8,987	8,358

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,702							
15,000-20,999	2,852	2,553						
21,000-26,999	4,002	3,703	3,404					
27,000-32,999	5,152	4,853	4,554	4,255				
33,000-38,999	6,302	6,003	5,704	5,405	5,106			
39,000-44,999	7,452	7,153	6,854	6,555	6,256	5,957		
45,000-53,999	8,602	8,303	8,004	7,705	7,406	7,107	6,808	
54,000-64,999	10,902	10,603	10,304	10,005	9,706	9,407	9,108	8,509
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,713							
15,000-20,999	2,863	2,570						
21,000-26,999	4,013	3,720	3,427					
27,000-32,999	5,163	4,870	4,577	4,283				
33,000-38,999	6,313	6,020	5,727	5,433	5,140			
39,000-44,999	7,463	7,170	6,877	6,583	6,290	5,996		
45,000-53,999	8,613	8,320	8,027	7,733	7,440	7,146	6,853	
54,000-64,999	10,914	10,620	10,327	10,033	9,740	9,446	9,153	8,566
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,724							
15,000-20,999	2,874	2,586						
21,000-26,999	4,024	3,736	3,448					
27,000-32,999	5,174	4,886	4,598	4,310				
33,000-38,999	6,324	6,036	5,748	5,461	5,173			
39,000-44,999	7,474	7,186	6,898	6,611	6,323	6,035		
45,000-53,999	8,624	8,336	8,049	7,761	7,473	7,185	6,897	
54,000-64,999	10,924	10,637	10,349	10,061	9,773	9,485	9,197	8,621

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,735							
15,000-20,999	2,885	2,602						
21,000-26,999	4,035	3,752	3,469					
27,000-32,999	5,185	4,902	4,619	4,337				
33,000-38,999	6,335	6,052	5,770	5,487	5,204			
39,000-44,999	7,485	7,202	6,920	6,637	6,354	6,072		
45,000-53,999	8,635	8,352	8,070	7,787	7,504	7,222	6,939	
54,000-64,999	10,935	10,652	10,370	10,087	9,804	9,522	9,239	8,674
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,745							
15,000-20,999	2,895	2,617						
21,000-26,999	4,045	3,767	3,490					
27,000-32,999	5,195	4,917	4,640	4,362				
33,000-38,999	6,345	6,067	5,790	5,512	5,235			
39,000-44,999	7,495	7,217	6,940	6,662	6,385	6,107		
45,000-53,999	8,645	8,368	8,090	7,812	7,535	7,257	6,980	
54,000-64,999	10,945	10,668	10,390	10,112	9,835	9,557	9,280	8,724
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,751							
15,000-20,999	2,901	2,626						
21,000-26,999	4,051	3,776	3,502					
27,000-32,999	5,201	4,926	4,652	4,377				
33,000-38,999	6,351	6,076	5,802	5,527	5,252			
39,000-44,999	7,501	7,226	6,952	6,677	6,402	6,128		
45,000-53,999	8,651	8,376	8,102	7,827	7,552	7,278	7,003	
54,000-64,999	10,951	10,676	10,402	10,127	9,853	9,578	9,303	8,754

Climate Zone 4: Valley Region, Corpus Christi

Cooling, New Construction

Table 393: Central Energy Savings (Cooling kWh) for 14.0 SEER 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	21.0-23.9	24.0+
< 15,000	91	174	324	572	661	882	1,050
15,000-20,999	136	261	485	857	992	1,323	1,574
21,000-26,999	181	348	647	1,143	1,322	1,764	2,099
27,000-32,999	226	436	809	1,429	1,653	2,206	2,624
33,000-38,999	272	523	971	1,715	1,983	2,647	3,149
39,000-44,999	317	610	1,132	2,000	2,314	3,088	3,673
45,000-53,999	362	697	1,294	2,286	2,644	3,529	4,198
54,000-64,999	453	871	1,618	2,858	3,306	4,411	5,248

Cooling, Replace-on-Burnout

Table 394: Central Energy Savings (Cooling kWh) for 13.08 SEER Baseline—Zone 4

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	250							
15,000-20,999	1,462	375						
21,000-26,999	2,674	1,587	500					
27,000-32,999	3,886	2,799	1,712	625				
33,000-38,999	5,098	4,011	2,924	1,837	750			
39,000-44,999	6,310	5,223	4,136	3,049	1,962	875		
45,000-53,999	7,523	6,435	5,348	4,261	3,174	2,087	1,000	
54,000-64,999	9,947	8,860	7,772	6,685	5,598	4,511	3,424	1,250

15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	334							
15,000-20,999	1,546	500						
21,000-26,999	2,758	1,712	667					
27,000-32,999	3,970	2,924	1,879	834				
33,000-38,999	5,182	4,137	3,091	2,046	1,001			
39,000-44,999	6,394	5,349	4,303	3,258	2,213	1,167		
45,000-53,999	7,606	6,561	5,515	4,470	3,425	2,379	1,334	
54,000-64,999	10,030	8,985	7,940	6,894	5,849	4,804	3,758	1,668
16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	483							
15,000-20,999	1,695	724						
21,000-26,999	2,907	1,936	966					
27,000-32,999	4,119	3,148	2,178	1,207				
33,000-38,999	5,331	4,361	3,390	2,419	1,449			
39,000-44,999	6,543	5,573	4,602	3,631	2,661	1,690		
45,000-53,999	7,755	6,785	5,814	4,843	3,873	2,902	1,931	
54,000-64,999	10,180	9,209	8,238	7,268	6,297	5,326	4,356	2,414
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	731							
15,000-20,999	1,943	1,096						
21,000-26,999	3,155	2,308	1,462					
27,000-32,999	4,367	3,520	2,674	1,827				
33,000-38,999	5,579	4,733	3,886	3,039	2,192			
39,000-44,999	6,791	5,945	5,098	4,251	3,405	2,558		
45,000-53,999	8,003	7,157	6,310	5,463	4,617	3,770	2,923	
54,000-64,999	10,428	9,581	8,734	7,888	7,041	6,194	5,347	3,654

18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	820							
15,000-20,999	2,033	1,231						
21,000-26,999	3,245	2,443	1,641					
27,000-32,999	4,457	3,655	2,853	2,051				
33,000-38,999	5,669	4,867	4,065	3,263	2,461			
39,000-44,999	6,881	6,079	5,277	4,475	3,673	2,871		
45,000-53,999	8,093	7,291	6,489	5,687	4,885	4,084	3,282	
54,000-64,999	10,517	9,715	8,913	8,112	7,310	6,508	5,706	4,102
21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,042							
15,000-20,999	2,254	1,562						
21,000-26,999	3,466	2,774	2,083					
27,000-32,999	4,678	3,986	3,295	2,604				
33,000-38,999	5,890	5,199	4,507	3,816	3,125			
39,000-44,999	7,102	6,411	5,719	5,028	4,337	3,645		
45,000-53,999	8,314	7,623	6,931	6,240	5,549	4,857	4,166	
54,000-64,999	10,738	10,047	9,356	8,664	7,973	7,282	6,590	5,208
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,209							
15,000-20,999	2,421	1,813						
21,000-26,999	3,633	3,025	2,418					
27,000-32,999	4,845	4,237	3,630	3,022				
33,000-38,999	6,057	5,450	4,842	4,234	3,626			
39,000-44,999	7,269	6,662	6,054	5,446	4,839	4,231		
45,000-53,999	8,481	7,874	7,266	6,658	6,051	5,443	4,835	
54,000-64,999	10,906	10,298	9,690	9,083	8,475	7,867	7,259	6,044

Cooling, Early Retirement

Table 395: Central Energy Savings (Cooling kWh) for 12.44 SEER Baseline—Zone 4

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	375							
15,000-20,999	1,649	562						
21,000-26,999	2,924	1,836	749					
27,000-32,999	4,198	3,111	2,024	937				
33,000-38,999	5,472	4,385	3,298	2,211	1,124			
39,000-44,999	6,747	5,660	4,573	3,485	2,398	1,311		
45,000-53,999	8,021	6,934	5,847	4,760	3,673	2,586	1,498	
54,000-64,999	10,570	9,483	8,396	7,309	6,222	5,135	4,047	1,873
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	458							
15,000-20,999	1,733	687						
21,000-26,999	3,007	1,962	916					
27,000-32,999	4,282	3,236	2,191	1,146				
33,000-38,999	5,556	4,511	3,465	2,420	1,375			
39,000-44,999	6,831	5,785	4,740	3,695	2,649	1,604		
45,000-53,999	8,105	7,060	6,014	4,969	3,924	2,878	1,833	
54,000-64,999	10,654	9,609	8,563	7,518	6,473	5,427	4,382	2,291

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	608							
15,000-20,999	1,882	911						
21,000-26,999	3,156	2,186	1,215					
27,000-32,999	4,431	3,460	2,490	1,519				
33,000-38,999	5,705	4,735	3,764	2,793	1,823			
39,000-44,999	6,980	6,009	5,039	4,068	3,097	2,127		
45,000-53,999	8,254	7,284	6,313	5,342	4,372	3,401	2,430	
54,000-64,999	10,803	9,833	8,862	7,891	6,921	5,950	4,979	3,038
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	856							
15,000-20,999	2,130	1,283						
21,000-26,999	3,404	2,558	1,711					
27,000-32,999	4,679	3,832	2,986	2,139				
33,000-38,999	5,953	5,107	4,260	3,413	2,567			
39,000-44,999	7,228	6,381	5,534	4,688	3,841	2,994		
45,000-53,999	8,502	7,656	6,809	5,962	5,116	4,269	3,422	
54,000-64,999	11,051	10,205	9,358	8,511	7,664	6,818	5,971	4,278
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	945							
15,000-20,999	2,220	1,418						
21,000-26,999	3,494	2,692	1,890					
27,000-32,999	4,769	3,967	3,165	2,363				
33,000-38,999	6,043	5,241	4,439	3,637	2,835			
39,000-44,999	7,317	6,516	5,714	4,912	4,110	3,308		
45,000-53,999	8,592	7,790	6,988	6,186	5,384	4,582	3,781	
54,000-64,999	11,141	10,339	9,537	8,735	7,933	7,131	6,329	4,726

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,166							
15,000-20,999	2,441	1,749						
21,000-26,999	3,715	3,024	2,332					
27,000-32,999	4,990	4,298	3,607	2,916				
33,000-38,999	6,264	5,573	4,881	4,190	3,499			
39,000-44,999	7,539	6,847	6,156	5,464	4,773	4,082		
45,000-53,999	8,813	8,122	7,430	6,739	6,048	5,356	4,665	
54,000-64,999	11,362	10,671	9,979	9,288	8,597	7,905	7,214	5,831
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,334							
15,000-20,999	2,608	2,000						
21,000-26,999	3,882	3,275	2,667					
27,000-32,999	5,157	4,549	3,942	3,334				
33,000-38,999	6,431	5,824	5,216	4,608	4,001			
39,000-44,999	7,706	7,098	6,490	5,883	5,275	4,667		
45,000-53,999	8,980	8,373	7,765	7,157	6,550	5,942	5,334	
54,000-64,999	11,529	10,922	10,314	9,706	9,098	8,491	7,883	6,668

Table 396: Central Energy Savings (Cooling kWh) for 10.0 SEER Early Retirement Baseline—Zone 4

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	997							
15,000-20,999	2,582	1,495						
21,000-26,999	4,167	3,080	1,993					
27,000-32,999	5,753	4,666	3,579	2,491				
33,000-38,999	7,338	6,251	5,164	4,077	2,990			
39,000-44,999	8,924	7,837	6,749	5,662	4,575	3,488		
45,000-53,999	10,509	9,422	8,335	7,248	6,161	5,073	3,986	
54,000-64,999	13,680	12,593	11,506	10,419	9,331	8,244	7,157	4,983
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,080							
15,000-20,999	2,666	1,620						
21,000-26,999	4,251	3,206	2,160					
27,000-32,999	5,836	4,791	3,746	2,700				
33,000-38,999	7,422	6,377	5,331	4,286	3,241			
39,000-44,999	9,007	7,962	6,917	5,871	4,826	3,781		
45,000-53,999	10,593	9,547	8,502	7,457	6,411	5,366	4,321	
54,000-64,999	13,764	12,718	11,673	10,628	9,582	8,537	7,492	5,401

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,230							
15,000-20,999	2,815	1,844						
21,000-26,999	4,400	3,430	2,459					
27,000-32,999	5,986	5,015	4,044	3,074				
33,000-38,999	7,571	6,601	5,630	4,659	3,689			
39,000-44,999	9,157	8,186	7,215	6,245	5,274	4,303		
45,000-53,999	10,742	9,771	8,801	7,830	6,859	5,889	4,918	
54,000-64,999	13,913	12,942	11,972	11,001	10,030	9,060	8,089	6,148
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,477							
15,000-20,999	3,063	2,216						
21,000-26,999	4,648	3,802	2,955					
27,000-32,999	6,234	5,387	4,540	3,694				
33,000-38,999	7,819	6,972	6,126	5,279	4,432			
39,000-44,999	9,405	8,558	7,711	6,865	6,018	5,171		
45,000-53,999	10,990	10,143	9,297	8,450	7,603	6,757	5,910	
54,000-64,999	14,161	13,314	12,468	11,621	10,774	9,927	9,081	7,387
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,567							
15,000-20,999	3,153	2,351						
21,000-26,999	4,738	3,936	3,134					
27,000-32,999	6,323	5,521	4,720	3,918				
33,000-38,999	7,909	7,107	6,305	5,503	4,701			
39,000-44,999	9,494	8,692	7,890	7,089	6,287	5,485		
45,000-53,999	11,080	10,278	9,476	8,674	7,872	7,070	6,268	
54,000-64,999	14,250	13,449	12,647	11,845	11,043	10,241	9,439	7,835

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,788							
15,000-20,999	3,374	2,682						
21,000-26,999	4,959	4,268	3,576					
27,000-32,999	6,544	5,853	5,162	4,470				
33,000-38,999	8,130	7,439	6,747	6,056	5,364			
39,000-44,999	9,715	9,024	8,333	7,641	6,950	6,259		
45,000-53,999	11,301	10,609	9,918	9,227	8,535	7,844	7,153	
54,000-64,999	14,472	13,780	13,089	12,398	11,706	11,015	10,324	8,941
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,955							
15,000-20,999	3,541	2,933						
21,000-26,999	5,126	4,519	3,911					
27,000-32,999	6,712	6,104	5,496	4,889				
33,000-38,999	8,297	7,689	7,082	6,474	5,866			
39,000-44,999	9,883	9,275	8,667	8,060	7,452	6,844		
45,000-53,999	11,468	10,860	10,253	9,645	9,037	8,430	7,822	
54,000-64,999	14,639	14,031	13,424	12,816	12,208	11,600	10,993	9,777

Heating, New Construction/Replace-on-Burnout

Table 397: Central Energy Savings (Heating kWh) for 8.2 HSPF Baseline—Zone 4

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	34							
15,000-20,999	282	52						
21,000-26,999	529	299	69					
27,000-32,999	776	546	316	86				
33,000-38,999	1,024	794	563	333	103			
39,000-44,999	1,271	1,041	811	581	350	120		
45,000-53,999	1,518	1,288	1,058	828	598	368	137	
54,000-64,999	2,013	1,783	1,553	1,323	1,092	862	632	172
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	73							
15,000-20,999	321	110						
21,000-26,999	568	357	147					
27,000-32,999	815	605	394	183				
33,000-38,999	1,063	852	641	431	220			
39,000-44,999	1,310	1,099	889	678	467	257		
45,000-53,999	1,557	1,347	1,136	925	715	504	293	
54,000-64,999	2,052	1,841	1,631	1,420	1,209	999	788	367

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	94							
15,000-20,999	341	140						
21,000-26,999	588	388	187					
27,000-32,999	836	635	435	234				
33,000-38,999	1,083	882	682	481	281			
39,000-44,999	1,330	1,130	929	729	528	328		
45,000-53,999	1,578	1,377	1,177	976	776	575	374	
54,000-64,999	2,072	1,872	1,671	1,471	1,270	1,070	869	468
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	101							
15,000-20,999	349	152						
21,000-26,999	596	399	202					
27,000-32,999	843	647	450	253				
33,000-38,999	1,091	894	697	500	304			
39,000-44,999	1,338	1,141	944	748	551	354		
45,000-53,999	1,585	1,389	1,192	995	798	602	405	
54,000-64,999	2,080	1,883	1,686	1,490	1,293	1,096	900	506
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	109							
15,000-20,999	356	163						
21,000-26,999	603	410	217					
27,000-32,999	851	658	464	271				
33,000-38,999	1,098	905	712	519	326			
39,000-44,999	1,345	1,152	959	766	573	380		
45,000-53,999	1,593	1,400	1,206	1,013	820	627	434	
54,000-64,999	2,087	1,894	1,701	1,508	1,315	1,122	929	543

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	116							
15,000-20,999	363	173						
21,000-26,999	610	421	231					
27,000-32,999	858	668	479	289				
33,000-38,999	1,105	915	726	536	347			
39,000-44,999	1,352	1,163	973	784	594	405		
45,000-53,999	1,600	1,410	1,221	1,031	842	652	463	
54,000-64,999	2,094	1,905	1,715	1,526	1,336	1,147	957	578
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	122							
15,000-20,999	370	184						
21,000-26,999	617	431	245					
27,000-32,999	864	678	492	306				
33,000-38,999	1,112	926	740	553	367			
39,000-44,999	1,359	1,173	987	801	615	429		
45,000-53,999	1,606	1,420	1,234	1,048	862	676	490	
54,000-64,999	2,101	1,915	1,729	1,543	1,357	1,171	984	612
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	126							
15,000-20,999	374	190						
21,000-26,999	621	437	253					
27,000-32,999	868	684	500	316				
33,000-38,999	1,116	932	747	563	379			
39,000-44,999	1,363	1,179	995	811	627	442		
45,000-53,999	1,610	1,426	1,242	1,058	874	690	506	
54,000-64,999	2,105	1,921	1,737	1,553	1,369	1,184	1,000	632

Heating, Early Retirement of a Heat Pump

Table 398: Central Energy Savings (Heating kWh) for 7.7 HSPF Baseline—Zone 4

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	83							
15,000-20,999	355	125						
21,000-26,999	626	396	166					
27,000-32,999	898	668	438	208				
33,000-38,999	1,170	939	709	479	249			
39,000-44,999	1,441	1,211	981	751	521	291		
45,000-53,999	1,713	1,483	1,253	1,022	792	562	332	
54,000-64,999	2,256	2,026	1,796	1,566	1,336	1,106	875	415
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	122							
15,000-20,999	394	183						
21,000-26,999	665	455	244					
27,000-32,999	937	726	516	305				
33,000-38,999	1,209	998	787	577	366			
39,000-44,999	1,480	1,270	1,059	848	638	427		
45,000-53,999	1,752	1,541	1,331	1,120	909	699	488	
54,000-64,999	2,295	2,085	1,874	1,663	1,453	1,242	1,031	610

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	142							
15,000-20,999	414	213						
21,000-26,999	686	485	285					
27,000-32,999	957	757	556	356				
33,000-38,999	1,229	1,028	828	627	427			
39,000-44,999	1,501	1,300	1,100	899	698	498		
45,000-53,999	1,772	1,572	1,371	1,171	970	770	569	
54,000-64,999	2,316	2,115	1,915	1,714	1,513	1,313	1,112	711
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	150							
15,000-20,999	422	225						
21,000-26,999	693	496	300					
27,000-32,999	965	768	571	375				
33,000-38,999	1,237	1,040	843	646	450			
39,000-44,999	1,508	1,311	1,115	918	721	525		
45,000-53,999	1,780	1,583	1,386	1,190	993	796	600	
54,000-64,999	2,323	2,126	1,930	1,733	1,536	1,340	1,143	749
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	157							
15,000-20,999	429	236						
21,000-26,999	701	507	314					
27,000-32,999	972	779	586	393				
33,000-38,999	1,244	1,051	858	665	472			
39,000-44,999	1,516	1,322	1,129	936	743	550		
45,000-53,999	1,787	1,594	1,401	1,208	1,015	822	629	
54,000-64,999	2,331	2,137	1,944	1,751	1,558	1,365	1,172	786

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	164							
15,000-20,999	436	246						
21,000-26,999	708	518	329					
27,000-32,999	979	790	600	411				
33,000-38,999	1,251	1,061	872	682	493			
39,000-44,999	1,523	1,333	1,144	954	765	575		
45,000-53,999	1,794	1,605	1,415	1,226	1,036	847	657	
54,000-64,999	2,338	2,148	1,959	1,769	1,580	1,390	1,200	821
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	171							
15,000-20,999	443	257						
21,000-26,999	714	528	342					
27,000-32,999	986	800	614	428				
33,000-38,999	1,258	1,072	886	699	513			
39,000-44,999	1,529	1,343	1,157	971	785	599		
45,000-53,999	1,801	1,615	1,429	1,243	1,057	871	684	
54,000-64,999	2,344	2,158	1,972	1,786	1,600	1,414	1,228	855
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	175							
15,000-20,999	447	263						
21,000-26,999	718	534	350					
27,000-32,999	990	806	622	438				
33,000-38,999	1,262	1,078	893	709	525			
39,000-44,999	1,533	1,349	1,165	981	797	613		
45,000-53,999	1,805	1,621	1,437	1,253	1,069	884	700	
54,000-64,999	2,348	2,164	1,980	1,796	1,612	1,428	1,244	875

Table 399: Central Energy Savings (Heating kWh) for 6.8 HSPF Baseline—Zone 4

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	200							
15,000-20,999	530	300						
21,000-26,999	860	630	400					
27,000-32,999	1,190	960	730	500				
33,000-38,999	1,520	1,290	1,060	830	600			
39,000-44,999	1,850	1,620	1,390	1,160	930	700		
45,000-53,999	2,181	1,950	1,720	1,490	1,260	1,030	800	
54,000-64,999	2,841	2,611	2,380	2,150	1,920	1,690	1,460	999
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	239							
15,000-20,999	569	358						
21,000-26,999	899	688	478					
27,000-32,999	1,229	1,019	808	597				
33,000-38,999	1,559	1,349	1,138	927	717			
39,000-44,999	1,889	1,679	1,468	1,257	1,047	836		
45,000-53,999	2,220	2,009	1,798	1,588	1,377	1,166	956	
54,000-64,999	2,880	2,669	2,458	2,248	2,037	1,826	1,616	1,195

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	259							
15,000-20,999	589	389						
21,000-26,999	919	719	518					
27,000-32,999	1,249	1,049	848	648				
33,000-38,999	1,580	1,379	1,179	978	777			
39,000-44,999	1,910	1,709	1,509	1,308	1,108	907		
45,000-53,999	2,240	2,039	1,839	1,638	1,438	1,237	1,037	
54,000-64,999	2,900	2,699	2,499	2,298	2,098	1,897	1,697	1,296
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	267							
15,000-20,999	597	400						
21,000-26,999	927	730	534					
27,000-32,999	1,257	1,060	864	667				
33,000-38,999	1,587	1,390	1,194	997	800			
39,000-44,999	1,917	1,721	1,524	1,327	1,130	934		
45,000-53,999	2,247	2,051	1,854	1,657	1,461	1,264	1,067	
54,000-64,999	2,908	2,711	2,514	2,317	2,121	1,924	1,727	1,334
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	274							
15,000-20,999	604	411						
21,000-26,999	934	741	548					
27,000-32,999	1,264	1,071	878	685				
33,000-38,999	1,595	1,401	1,208	1,015	822			
39,000-44,999	1,925	1,732	1,539	1,345	1,152	959		
45,000-53,999	2,255	2,062	1,869	1,676	1,483	1,290	1,096	
54,000-64,999	2,915	2,722	2,529	2,336	2,143	1,950	1,757	1,371

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	281							
15,000-20,999	611	422						
21,000-26,999	941	752	562					
27,000-32,999	1,271	1,082	892	703				
33,000-38,999	1,602	1,412	1,223	1,033	844			
39,000-44,999	1,932	1,742	1,553	1,363	1,174	984		
45,000-53,999	2,262	2,072	1,883	1,693	1,504	1,314	1,125	
54,000-64,999	2,922	2,733	2,543	2,353	2,164	1,974	1,785	1,406
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	288							
15,000-20,999	618	432						
21,000-26,999	948	762	576					
27,000-32,999	1,278	1,092	906	720				
33,000-38,999	1,608	1,422	1,236	1,050	864			
39,000-44,999	1,939	1,752	1,566	1,380	1,194	1,008		
45,000-53,999	2,269	2,083	1,896	1,710	1,524	1,338	1,152	
54,000-64,999	2,929	2,743	2,557	2,370	2,184	1,998	1,812	1,440
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	292							
15,000-20,999	622	438						
21,000-26,999	952	768	584					
27,000-32,999	1,282	1,098	914	730				
33,000-38,999	1,612	1,428	1,244	1,060	876			
39,000-44,999	1,942	1,758	1,574	1,390	1,206	1,022		
45,000-53,999	2,273	2,088	1,904	1,720	1,536	1,352	1,168	
54,000-64,999	2,933	2,749	2,565	2,380	2,196	2,012	1,828	1,460

Heating, Early Retirement of an Electric Resistance Furnace

Table 400: Central Energy Savings (Heating kWh) for 3.412 HSPF Baseline—Zone 4

8.5-8.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,083							
15,000-20,999	1,855	1,625						
21,000-26,999	2,627	2,397	2,167					
27,000-32,999	3,399	3,169	2,939	2,709				
33,000-38,999	4,171	3,941	3,711	3,481	3,250			
39,000-44,999	4,943	4,713	4,483	4,253	4,022	3,792		
45,000-53,999	5,715	5,485	5,255	5,024	4,794	4,564	4,334	
54,000-64,999	7,259	7,029	6,798	6,568	6,338	6,108	5,878	5,417
9.0-9.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,123							
15,000-20,999	1,894	1,684						
21,000-26,999	2,666	2,456	2,245					
27,000-32,999	3,438	3,228	3,017	2,806				
33,000-38,999	4,210	3,999	3,789	3,578	3,368			
39,000-44,999	4,982	4,771	4,561	4,350	4,139	3,929		
45,000-53,999	5,754	5,543	5,333	5,122	4,911	4,701	4,490	
54,000-64,999	7,298	7,087	6,876	6,666	6,455	6,244	6,034	5,613

9.5-9.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,143							
15,000-20,999	1,915	1,714						
21,000-26,999	2,687	2,486	2,286					
27,000-32,999	3,458	3,258	3,057	2,857				
33,000-38,999	4,230	4,030	3,829	3,629	3,428			
39,000-44,999	5,002	4,802	4,601	4,401	4,200	4,000		
45,000-53,999	5,774	5,574	5,373	5,173	4,972	4,772	4,571	
54,000-64,999	7,318	7,117	6,917	6,716	6,516	6,315	6,115	5,714
10.0-10.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,150							
15,000-20,999	1,922	1,726						
21,000-26,999	2,694	2,497	2,301					
27,000-32,999	3,466	3,269	3,073	2,876				
33,000-38,999	4,238	4,041	3,845	3,648	3,451			
39,000-44,999	5,010	4,813	4,616	4,420	4,223	4,026		
45,000-53,999	5,782	5,585	5,388	5,192	4,995	4,798	4,602	
54,000-64,999	7,326	7,129	6,932	6,735	6,539	6,342	6,145	5,752
10.5-10.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,158							
15,000-20,999	1,930	1,737						
21,000-26,999	2,702	2,508	2,315					
27,000-32,999	3,473	3,280	3,087	2,894				
33,000-38,999	4,245	4,052	3,859	3,666	3,473			
39,000-44,999	5,017	4,824	4,631	4,438	4,245	4,052		
45,000-53,999	5,789	5,596	5,403	5,210	5,017	4,824	4,631	
54,000-64,999	7,333	7,140	6,947	6,754	6,561	6,368	6,175	5,789

11.0-11.4 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,165							
15,000-20,999	1,937	1,747						
21,000-26,999	2,709	2,519	2,330					
27,000-32,999	3,480	3,291	3,101	2,912				
33,000-38,999	4,252	4,063	3,873	3,684	3,494			
39,000-44,999	5,024	4,835	4,645	4,456	4,266	4,077		
45,000-53,999	5,796	5,607	5,417	5,228	5,038	4,849	4,659	
54,000-64,999	7,340	7,150	6,961	6,771	6,582	6,392	6,203	5,824
11.5-11.9 HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,172							
15,000-20,999	1,943	1,757						
21,000-26,999	2,715	2,529	2,343					
27,000-32,999	3,487	3,301	3,115	2,929				
33,000-38,999	4,259	4,073	3,887	3,701	3,515			
39,000-44,999	5,031	4,845	4,659	4,473	4,287	4,101		
45,000-53,999	5,803	5,617	5,431	5,245	5,059	4,872	4,686	
54,000-64,999	7,347	7,161	6,975	6,788	6,602	6,416	6,230	5,858
12.0+ HSPF								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,176							
15,000-20,999	1,947	1,763						
21,000-26,999	2,719	2,535	2,351					
27,000-32,999	3,491	3,307	3,123	2,939				
33,000-38,999	4,263	4,079	3,895	3,711	3,527			
39,000-44,999	5,035	4,851	4,667	4,483	4,299	4,114		
45,000-53,999	5,807	5,623	5,439	5,255	5,070	4,886	4,702	
54,000-64,999	7,351	7,167	6,983	6,798	6,614	6,430	6,246	5,878

Climate Zone 5: West Region, El Paso

Cooling, New Construction

Table 401: Central Energy Savings (Cooling kWh) for 14.0 SEER 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	21.0–23.9	24.0+
< 15,000	60	115	213	378	437	582	692
15,000-20,999	90	172	320	566	655	873	1,038
21,000-26,999	119	230	427	755	873	1,164	1,384
27,000-32,999	149	287	533	944	1,092	1,455	1,730
33,000-38,999	179	345	640	1,133	1,310	1,746	2,076
39,000-44,999	209	402	746	1,322	1,528	2,037	2,422
45,000-53,999	239	459	853	1,511	1,747	2,328	2,768
54,000-64,999	299	574	1,066	1,888	2,183	2,910	3,460

Cooling, Replace-on-Burnout

Table 402: Central Energy Savings (Cooling kWh) for 13.08 SEER Baseline—Zone 5

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	165							
15,000-20,999	964	247						
21,000-26,999	1,763	1,046	329					
27,000-32,999	2,562	1,845	1,128	412				
33,000-38,999	3,361	2,644	1,927	1,211	494			
39,000-44,999	4,160	3,443	2,726	2,010	1,293	577		
45,000-53,999	4,959	4,242	3,525	2,809	2,092	1,376	659	
54,000-64,999	6,557	5,840	5,123	4,407	3,690	2,974	2,257	824

15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	220							
15,000-20,999	1,019	330						
21,000-26,999	1,818	1,129	440					
27,000-32,999	2,617	1,928	1,239	550				
33,000-38,999	3,416	2,727	2,038	1,349	660			
39,000-44,999	4,215	3,526	2,837	2,148	1,459	770		
45,000-53,999	5,014	4,325	3,636	2,947	2,258	1,569	879	
54,000-64,999	6,612	5,923	5,234	4,545	3,856	3,167	2,477	1,099
16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	318							
15,000-20,999	1,117	477						
21,000-26,999	1,916	1,276	637					
27,000-32,999	2,715	2,075	1,436	796				
33,000-38,999	3,514	2,874	2,235	1,595	955			
39,000-44,999	4,313	3,673	3,034	2,394	1,754	1,114		
45,000-53,999	5,112	4,472	3,833	3,193	2,553	1,913	1,273	
54,000-64,999	6,710	6,070	5,431	4,791	4,151	3,511	2,871	1,591
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	483							
15,000-20,999	1,282	724						
21,000-26,999	2,081	1,523	965					
27,000-32,999	2,880	2,322	1,764	1,207				
33,000-38,999	3,679	3,121	2,563	2,006	1,448			
39,000-44,999	4,478	3,920	3,362	2,805	2,247	1,689		
45,000-53,999	5,277	4,719	4,161	3,604	3,046	2,488	1,931	
54,000-64,999	6,875	6,317	5,759	5,202	4,644	4,086	3,529	2,413

18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	542							
15,000-20,999	1,341	813						
21,000-26,999	2,140	1,612	1,083					
27,000-32,999	2,939	2,411	1,882	1,354				
33,000-38,999	3,738	3,210	2,681	2,153	1,625			
39,000-44,999	4,537	4,009	3,480	2,952	2,424	1,896		
45,000-53,999	5,336	4,808	4,279	3,751	3,223	2,695	2,167	
54,000-64,999	6,934	6,406	5,877	5,349	4,821	4,293	3,765	2,708
21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	687							
15,000-20,999	1,486	1,031						
21,000-26,999	2,285	1,830	1,374					
27,000-32,999	3,084	2,629	2,173	1,718				
33,000-38,999	3,883	3,428	2,972	2,517	2,061			
39,000-44,999	4,682	4,227	3,771	3,316	2,860	2,405		
45,000-53,999	5,481	5,026	4,570	4,115	3,659	3,204	2,748	
54,000-64,999	7,079	6,624	6,168	5,713	5,257	4,802	4,346	3,435
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	797							
15,000-20,999	1,596	1,196						
21,000-26,999	2,395	1,995	1,594					
27,000-32,999	3,194	2,794	2,393	1,993				
33,000-38,999	3,993	3,593	3,192	2,792	2,391			
39,000-44,999	4,792	4,392	3,991	3,591	3,190	2,790		
45,000-53,999	5,591	5,191	4,790	4,390	3,989	3,589	3,188	
54,000-64,999	7,189	6,789	6,388	5,988	5,587	5,187	4,786	3,986

Cooling, Early Retirement

Table 403: Central Energy Savings (Cooling kWh) for 12.44 SEER Baseline—Zone 5

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	247							
15,000-20,999	1,087	370						
21,000-26,999	1,927	1,211	494					
27,000-32,999	2,767	2,051	1,334	617				
33,000-38,999	3,607	2,891	2,174	1,457	741			
39,000-44,999	4,448	3,731	3,014	2,298	1,581	864		
45,000-53,999	5,288	4,571	3,854	3,138	2,421	1,704	988	
54,000-64,999	6,968	6,251	5,535	4,818	4,101	3,385	2,668	1,235
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	302							
15,000-20,999	1,142	453						
21,000-26,999	1,982	1,293	604					
27,000-32,999	2,822	2,133	1,444	755				
33,000-38,999	3,663	2,973	2,284	1,595	906			
39,000-44,999	4,503	3,814	3,124	2,435	1,746	1,057		
45,000-53,999	5,343	4,654	3,965	3,276	2,586	1,897	1,208	
54,000-64,999	7,023	6,334	5,645	4,956	4,267	3,578	2,889	1,510

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	401							
15,000-20,999	1,241	601						
21,000-26,999	2,081	1,441	801					
27,000-32,999	2,921	2,281	1,641	1,001				
33,000-38,999	3,761	3,121	2,481	1,841	1,202			
39,000-44,999	4,601	3,961	3,321	2,681	2,042	1,402		
45,000-53,999	5,441	4,801	4,161	3,522	2,882	2,242	1,602	
54,000-64,999	7,121	6,482	5,842	5,202	4,562	3,922	3,282	2,003
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	565							
15,000-20,999	1,405	847						
21,000-26,999	2,245	1,687	1,130					
27,000-32,999	3,085	2,528	1,970	1,412				
33,000-38,999	3,925	3,368	2,810	2,252	1,695			
39,000-44,999	4,765	4,208	3,650	3,092	2,535	1,977		
45,000-53,999	5,606	5,048	4,490	3,933	3,375	2,817	2,259	
54,000-64,999	7,286	6,728	6,170	5,613	5,055	4,497	3,940	2,824
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	624							
15,000-20,999	1,464	936						
21,000-26,999	2,304	1,776	1,248					
27,000-32,999	3,144	2,616	2,088	1,560				
33,000-38,999	3,984	3,456	2,928	2,400	1,872			
39,000-44,999	4,824	4,296	3,768	3,240	2,712	2,184		
45,000-53,999	5,665	5,136	4,608	4,080	3,552	3,024	2,496	
54,000-64,999	7,345	6,817	6,288	5,760	5,232	4,704	4,176	3,120

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	769							
15,000-20,999	1,609	1,154						
21,000-26,999	2,450	1,994	1,539					
27,000-32,999	3,290	2,834	2,379	1,923				
33,000-38,999	4,130	3,674	3,219	2,763	2,308			
39,000-44,999	4,970	4,514	4,059	3,603	3,148	2,693		
45,000-53,999	5,810	5,354	4,899	4,444	3,988	3,533	3,077	
54,000-64,999	7,490	7,035	6,579	6,124	5,668	5,213	4,757	3,846
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	879							
15,000-20,999	1,719	1,319						
21,000-26,999	2,560	2,159	1,759					
27,000-32,999	3,400	2,999	2,599	2,198				
33,000-38,999	4,240	3,839	3,439	3,038	2,638			
39,000-44,999	5,080	4,679	4,279	3,879	3,478	3,078		
45,000-53,999	5,920	5,520	5,119	4,719	4,318	3,918	3,517	
54,000-64,999	7,600	7,200	6,799	6,399	5,998	5,598	5,198	4,397

**Table 404: Central Energy Savings (Cooling kWh) for 10.0 SEER
Early Retirement Baseline—Zone 5**

14.5-14.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	657							
15,000-20,999	1,702	985						
21,000-26,999	2,747	2,030	1,314					
27,000-32,999	3,792	3,076	2,359	1,642				
33,000-38,999	4,837	4,121	3,404	2,687	1,971			
39,000-44,999	5,882	5,166	4,449	3,732	3,016	2,299		
45,000-53,999	6,928	6,211	5,494	4,778	4,061	3,344	2,628	
54,000-64,999	9,018	8,301	7,584	6,868	6,151	5,435	4,718	3,285
15.0-15.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	712							
15,000-20,999	1,757	1,068						
21,000-26,999	2,802	2,113	1,424					
27,000-32,999	3,847	3,158	2,469	1,780				
33,000-38,999	4,892	4,203	3,514	2,825	2,136			
39,000-44,999	5,938	5,248	4,559	3,870	3,181	2,492		
45,000-53,999	6,983	6,294	5,604	4,915	4,226	3,537	2,848	
54,000-64,999	9,073	8,384	7,695	7,006	6,317	5,627	4,938	3,560

16.0-16.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	810							
15,000-20,999	1,856	1,216						
21,000-26,999	2,901	2,261	1,621					
27,000-32,999	3,946	3,306	2,666	2,026				
33,000-38,999	4,991	4,351	3,711	3,071	2,431			
39,000-44,999	6,036	5,396	4,756	4,116	3,477	2,837		
45,000-53,999	7,081	6,441	5,801	5,162	4,522	3,882	3,242	
54,000-64,999	9,171	8,531	7,892	7,252	6,612	5,972	5,332	4,052
17.0-17.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	975							
15,000-20,999	2,020	1,462						
21,000-26,999	3,065	2,507	1,950					
27,000-32,999	4,110	3,552	2,995	2,437				
33,000-38,999	5,155	4,598	4,040	3,482	2,925			
39,000-44,999	6,200	5,643	5,085	4,527	3,970	3,412		
45,000-53,999	7,245	6,688	6,130	5,572	5,015	4,457	3,899	
54,000-64,999	9,336	8,778	8,220	7,663	7,105	6,547	5,990	4,874
18.0-20.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,034							
15,000-20,999	2,079	1,551						
21,000-26,999	3,124	2,596	2,068					
27,000-32,999	4,169	3,641	3,113	2,585				
33,000-38,999	5,214	4,686	4,158	3,630	3,102			
39,000-44,999	6,259	5,731	5,203	4,675	4,147	3,619		
45,000-53,999	7,304	6,776	6,248	5,720	5,192	4,664	4,136	
54,000-64,999	9,395	8,867	8,338	7,810	7,282	6,754	6,226	5,169

21.0-23.9 SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,179							
15,000-20,999	2,224	1,769						
21,000-26,999	3,269	2,814	2,359					
27,000-32,999	4,315	3,859	3,404	2,948				
33,000-38,999	5,360	4,904	4,449	3,993	3,538			
39,000-44,999	6,405	5,949	5,494	5,038	4,583	4,127		
45,000-53,999	7,450	6,994	6,539	6,083	5,628	5,173	4,717	
54,000-64,999	9,540	9,085	8,629	8,174	7,718	7,263	6,807	5,896
24.0+ SEER								
Size (Btuh) Post	< 15,000	15,000-20,999	21,000-26,999	27,000-32,999	33,000-38,999	39,000-44,999	45,000-53,999	54,000-64,999
Size (Btuh) Pre								
< 15,000	1,289							
15,000-20,999	2,334	1,934						
21,000-26,999	3,379	2,979	2,579					
27,000-32,999	4,425	4,024	3,624	3,223				
33,000-38,999	5,470	5,069	4,669	4,268	3,868			
39,000-44,999	6,515	6,114	5,714	5,313	4,913	4,513		
45,000-53,999	7,560	7,159	6,759	6,359	5,958	5,558	5,157	
54,000-64,999	9,650	9,250	8,849	8,449	8,048	7,648	7,247	6,446