



Control Number: 38578



Item Number: 29

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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	0.27							
15,000-20,999	0.82	0.40						
21,000-26,999	1.38	0.95	0.53					
27,000-32,999	1.94	1.51	1.09	0.66				
33,000-38,999	2.49	2.07	1.64	1.22	0.80			
39,000-44,999	3.05	2.63	2.20	1.78	1.35	0.93		
45,000-53,999	3.61	3.18	2.76	2.33	1.91	1.49	1.06	
54,000-64,999	4.72	4.30	3.87	3.45	3.02	2.60	2.18	1.33
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	0.25							
15,000-20,999	0.81	0.37						
21,000-26,999	1.36	0.93	0.50					
27,000-32,999	1.92	1.49	1.06	0.62				
33,000-38,999	2.48	2.05	1.61	1.18	0.75			
39,000-44,999	3.03	2.60	2.17	1.74	1.31	0.87		
45,000-53,999	3.59	3.16	2.73	2.30	1.86	1.43	1.00	
54,000-64,999	4.70	4.27	3.84	3.41	2.98	2.55	2.11	1.25
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	0.30							
15,000-20,999	0.85	0.45						
21,000-26,999	1.41	1.00	0.60					
27,000-32,999	1.97	1.56	1.15	0.75				
33,000-38,999	2.53	2.12	1.71	1.30	0.89			
39,000-44,999	3.08	2.67	2.27	1.86	1.45	1.04		
45,000-53,999	3.64	3.23	2.82	2.42	2.01	1.60	1.19	
54,000-64,999	4.75	4.34	3.94	3.53	3.12	2.71	2.31	1.49

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	0.38							
15,000-20,999	0.94	0.57						
21,000-26,999	1.50	1.13	0.77					
27,000-32,999	2.05	1.69	1.32	0.96				
33,000-38,999	2.61	2.24	1.88	1.51	1.15			
39,000-44,999	3.17	2.80	2.44	2.07	1.70	1.34		
45,000-53,999	3.72	3.36	2.99	2.63	2.26	1.90	1.53	
54,000-64,999	4.84	4.47	4.11	3.74	3.37	3.01	2.64	1.91
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	0.45							
15,000-20,999	1.01	0.68						
21,000-26,999	1.56	1.23	0.90					
27,000-32,999	2.12	1.79	1.46	1.13				
33,000-38,999	2.68	2.35	2.02	1.69	1.35			
39,000-44,999	3.24	2.90	2.57	2.24	1.91	1.58		
45,000-53,999	3.79	3.46	3.13	2.80	2.47	2.14	1.81	
54,000-64,999	4.91	4.57	4.24	3.91	3.58	3.25	2.92	2.26

Table 428: Central Summer Demand Savings 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	0.44							
15,000-20,999	1.13	0.65						
21,000-26,999	1.82	1.35	0.87					
27,000-32,999	2.51	2.04	1.56	1.09				
33,000-38,999	3.21	2.73	2.26	1.78	1.31			
39,000-44,999	3.90	3.42	2.95	2.47	2.00	1.52		
45,000-53,999	4.59	4.12	3.64	3.17	2.69	2.22	1.74	
54,000-64,999	5.98	5.50	5.03	4.55	4.08	3.60	3.13	2.18
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	0.47							
15,000-20,999	1.16	0.71						
21,000-26,999	1.86	1.40	0.94					
27,000-32,999	2.55	2.09	1.64	1.18				
33,000-38,999	3.24	2.79	2.33	1.87	1.42			
39,000-44,999	3.93	3.48	3.02	2.56	2.11	1.65		
45,000-53,999	4.63	4.17	3.71	3.26	2.80	2.34	1.89	
54,000-64,999	6.01	5.56	5.10	4.64	4.19	3.73	3.27	2.36

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	0.54							
15,000-20,999	1.23	0.81						
21,000-26,999	1.92	1.50	1.07					
27,000-32,999	2.61	2.19	1.77	1.34				
33,000-38,999	3.31	2.88	2.46	2.04	1.61			
39,000-44,999	4.00	3.58	3.15	2.73	2.30	1.88		
45,000-53,999	4.69	4.27	3.84	3.42	3.00	2.57	2.15	
54,000-64,999	6.08	5.65	5.23	4.81	4.38	3.96	3.53	2.69
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	0.52							
15,000-20,999	1.21	0.78						
21,000-26,999	1.91	1.48	1.04					
27,000-32,999	2.60	2.17	1.74	1.30				
33,000-38,999	3.29	2.86	2.43	2.00	1.56			
39,000-44,999	3.98	3.55	3.12	2.69	2.26	1.83		
45,000-53,999	4.68	4.25	3.81	3.38	2.95	2.52	2.09	
54,000-64,999	6.06	5.63	5.20	4.77	4.34	3.90	3.47	2.61
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	0.57							
15,000-20,999	1.26	0.85						
21,000-26,999	1.95	1.55	1.14					
27,000-32,999	2.65	2.24	1.83	1.42				
33,000-38,999	3.34	2.93	2.52	2.12	1.71			
39,000-44,999	4.03	3.62	3.22	2.81	2.40	1.99		
45,000-53,999	4.73	4.32	3.91	3.50	3.09	2.69	2.28	
54,000-64,999	6.11	5.70	5.30	4.89	4.48	4.07	3.66	2.85

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	0.65							
15,000-20,999	1.35	0.98						
21,000-26,999	2.04	1.67	1.31					
27,000-32,999	2.73	2.37	2.00	1.64				
33,000-38,999	3.42	3.06	2.69	2.33	1.96			
39,000-44,999	4.12	3.75	3.39	3.02	2.66	2.29		
45,000-53,999	4.81	4.44	4.08	3.71	3.35	2.98	2.62	
54,000-64,999	6.20	5.83	5.46	5.10	4.73	4.37	4.00	3.27
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	0.72							
15,000-20,999	1.42	1.08						
21,000-26,999	2.11	1.78	1.45					
27,000-32,999	2.80	2.47	2.14	1.81				
33,000-38,999	3.49	3.16	2.83	2.50	2.17			
39,000-44,999	4.19	3.85	3.52	3.19	2.86	2.53		
45,000-53,999	4.88	4.55	4.22	3.89	3.55	3.22	2.89	
54,000-64,999	6.26	5.93	5.60	5.27	4.94	4.61	4.28	3.62

Deemed Winter Demand Savings Tables⁴⁶⁷

Table 429 through Table 448 present the winter demand savings (kW) 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.⁴⁶⁸

Climate Zone 1: Panhandle Region, Amarillo

Heating, New Construction/Replace-on-Burnout

Table 429: Central Winter Demand Savings 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	0.06							
15,000-20,999	0.72	0.08						
21,000-26,999	1.39	0.75	0.11					
27,000-32,999	2.06	1.42	0.78	0.14				
33,000-38,999	2.72	2.08	1.44	0.80	0.17			
39,000-44,999	3.39	2.75	2.11	1.47	0.83	0.19		
45,000-53,999	4.06	3.42	2.78	2.14	1.50	0.86	0.22	
54,000-64,999	5.39	4.75	4.11	3.47	2.83	2.19	1.55	0.28

⁴⁶⁷ Rated capacity ranges are specified with a 5 percent tolerance in accordance with AHRI Standard 210/240 to account for systems that are rated slightly below the applicable nominal capacity. AHRI Standard 210/240. Table J1.

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

⁴⁶⁸ For projects using a custom baseline see TRMv6.0 Volume 4.

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	0.12							
15,000-20,999	0.78	0.18						
21,000-26,999	1.45	0.84	0.24					
27,000-32,999	2.12	1.51	0.90	0.29				
33,000-38,999	2.79	2.18	1.57	0.96	0.35			
39,000-44,999	3.45	2.85	2.24	1.63	1.02	0.41		
45,000-53,999	4.12	3.51	2.90	2.30	1.69	1.08	0.47	
54,000-64,999	5.46	4.85	4.24	3.63	3.02	2.41	1.81	0.59
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	0.15							
15,000-20,999	0.82	0.23						
21,000-26,999	1.48	0.89	0.30					
27,000-32,999	2.15	1.56	0.97	0.38				
33,000-38,999	2.82	2.23	1.63	1.04	0.45			
39,000-44,999	3.49	2.89	2.30	1.71	1.12	0.53		
45,000-53,999	4.15	3.56	2.97	2.38	1.79	1.19	0.60	
54,000-64,999	5.49	4.90	4.30	3.71	3.12	2.53	1.94	0.75
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	0.16							
15,000-20,999	0.83	0.24						
21,000-26,999	1.50	0.91	0.32					
27,000-32,999	2.16	1.58	0.99	0.41				
33,000-38,999	2.83	2.25	1.66	1.07	0.49			
39,000-44,999	3.50	2.91	2.33	1.74	1.15	0.57		
45,000-53,999	4.17	3.58	2.99	2.41	1.82	1.24	0.65	
54,000-64,999	5.50	4.91	4.33	3.74	3.16	2.57	1.98	0.81

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	0.17							
15,000-20,999	0.84	0.26						
21,000-26,999	1.51	0.93	0.35					
27,000-32,999	2.18	1.60	1.02	0.44				
33,000-38,999	2.84	2.26	1.68	1.10	0.52			
39,000-44,999	3.51	2.93	2.35	1.77	1.19	0.61		
45,000-53,999	4.18	3.60	3.02	2.44	1.86	1.28	0.70	
54,000-64,999	5.51	4.93	4.35	3.77	3.19	2.61	2.03	0.87
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	0.19							
15,000-20,999	0.85	0.28						
21,000-26,999	1.52	0.95	0.37					
27,000-32,999	2.19	1.61	1.04	0.46				
33,000-38,999	2.85	2.28	1.71	1.13	0.56			
39,000-44,999	3.52	2.95	2.37	1.80	1.22	0.65		
45,000-53,999	4.19	3.61	3.04	2.47	1.89	1.32	0.74	
54,000-64,999	5.52	4.95	4.37	3.80	3.23	2.65	2.08	0.93
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	0.20							
15,000-20,999	0.86	0.29						
21,000-26,999	1.53	0.96	0.39					
27,000-32,999	2.20	1.63	1.06	0.49				
33,000-38,999	2.87	2.30	1.73	1.16	0.59			
39,000-44,999	3.53	2.96	2.39	1.83	1.26	0.69		
45,000-53,999	4.20	3.63	3.06	2.49	1.92	1.35	0.79	
54,000-64,999	5.53	4.96	4.40	3.83	3.26	2.69	2.12	0.98

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	0.20							
15,000-20,999	0.87	0.30						
21,000-26,999	1.54	0.97	0.41					
27,000-32,999	2.20	1.64	1.07	0.51				
33,000-38,999	2.87	2.31	1.74	1.17	0.61			
39,000-44,999	3.54	2.97	2.41	1.84	1.28	0.71		
45,000-53,999	4.21	3.64	3.07	2.51	1.94	1.38	0.81	
54,000-64,999	5.54	4.97	4.41	3.84	3.28	2.71	2.15	1.01

Heating, Early Retirement of a Heat Pump

Table 430: Central Winter Demand Savings 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	0.13							
15,000-20,999	0.84	0.20						
21,000-26,999	1.55	0.91	0.27					
27,000-32,999	2.25	1.61	0.97	0.33				
33,000-38,999	2.96	2.32	1.68	1.04	0.40			
39,000-44,999	3.66	3.02	2.39	1.75	1.11	0.47		
45,000-53,999	4.37	3.73	3.09	2.45	1.81	1.17	0.53	
54,000-64,999	5.78	5.14	4.50	3.86	3.22	2.58	1.95	0.67

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	0.20							
15,000-20,999	0.90	0.29						
21,000-26,999	1.61	1.00	0.39					
27,000-32,999	2.31	1.71	1.10	0.49				
33,000-38,999	3.02	2.41	1.80	1.20	0.59			
39,000-44,999	3.73	3.12	2.51	1.90	1.29	0.69		
45,000-53,999	4.43	3.82	3.22	2.61	2.00	1.39	0.78	
54,000-64,999	5.85	5.24	4.63	4.02	3.41	2.80	2.20	0.98
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	0.23							
15,000-20,999	0.93	0.34						
21,000-26,999	1.64	1.05	0.46					
27,000-32,999	2.35	1.75	1.16	0.57				
33,000-38,999	3.05	2.46	1.87	1.28	0.68			
39,000-44,999	3.76	3.17	2.58	1.98	1.39	0.80		
45,000-53,999	4.47	3.87	3.28	2.69	2.10	1.51	0.91	
54,000-64,999	5.88	5.29	4.69	4.10	3.51	2.92	2.33	1.14
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	0.24							
15,000-20,999	0.95	0.36						
21,000-26,999	1.65	1.07	0.48					
27,000-32,999	2.36	1.77	1.19	0.60				
33,000-38,999	3.07	2.48	1.89	1.31	0.72			
39,000-44,999	3.77	3.19	2.60	2.01	1.43	0.84		
45,000-53,999	4.48	3.89	3.31	2.72	2.13	1.55	0.96	
54,000-64,999	5.89	5.30	4.72	4.13	3.55	2.96	2.37	1.20

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	0.25							
15,000-20,999	0.96	0.38						
21,000-26,999	1.66	1.08	0.50					
27,000-32,999	2.37	1.79	1.21	0.63				
33,000-38,999	3.08	2.50	1.92	1.34	0.76			
39,000-44,999	3.78	3.20	2.62	2.04	1.46	0.88		
45,000-53,999	4.49	3.91	3.33	2.75	2.17	1.59	1.01	
54,000-64,999	5.90	5.32	4.74	4.16	3.58	3.00	2.42	1.26
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	0.26							
15,000-20,999	0.97	0.40						
21,000-26,999	1.68	1.10	0.53					
27,000-32,999	2.38	1.81	1.23	0.66				
33,000-38,999	3.09	2.51	1.94	1.37	0.79			
39,000-44,999	3.79	3.22	2.65	2.07	1.50	0.92		
45,000-53,999	4.50	3.93	3.35	2.78	2.20	1.63	1.05	
54,000-64,999	5.91	5.34	4.76	4.19	3.62	3.04	2.47	1.32
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	0.27							
15,000-20,999	0.98	0.41						
21,000-26,999	1.69	1.12	0.55					
27,000-32,999	2.39	1.82	1.26	0.69				
33,000-38,999	3.10	2.53	1.96	1.39	0.82			
39,000-44,999	3.81	3.24	2.67	2.10	1.53	0.96		
45,000-53,999	4.51	3.94	3.37	2.81	2.24	1.67	1.10	
54,000-64,999	5.92	5.36	4.79	4.22	3.65	3.08	2.51	1.37

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	0.28							
15,000-20,999	0.99	0.42						
21,000-26,999	1.69	1.13	0.56					
27,000-32,999	2.40	1.83	1.27	0.70				
33,000-38,999	3.11	2.54	1.97	1.41	0.84			
39,000-44,999	3.81	3.25	2.68	2.11	1.55	0.98		
45,000-53,999	4.52	3.95	3.39	2.82	2.26	1.69	1.12	
54,000-64,999	5.93	5.36	4.80	4.23	3.67	3.10	2.54	1.40

Table 431: Central Winter Demand Savings 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	0.32							
15,000-20,999	1.12	0.48						
21,000-26,999	1.92	1.28	0.64					
27,000-32,999	2.72	2.08	1.44	0.80				
33,000-38,999	3.52	2.88	2.24	1.60	0.96			
39,000-44,999	4.32	3.68	3.04	2.40	1.76	1.12		
45,000-53,999	5.12	4.48	3.84	3.20	2.56	1.92	1.28	
54,000-64,999	6.72	6.08	5.44	4.80	4.16	3.52	2.88	1.60

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	0.38							
15,000-20,999	1.18	0.58						
21,000-26,999	1.98	1.38	0.77					
27,000-32,999	2.78	2.18	1.57	0.96				
33,000-38,999	3.58	2.98	2.37	1.76	1.15			
39,000-44,999	4.38	3.78	3.17	2.56	1.95	1.34		
45,000-53,999	5.18	4.58	3.97	3.36	2.75	2.14	1.53	
54,000-64,999	6.78	6.18	5.57	4.96	4.35	3.74	3.13	1.92
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	0.42							
15,000-20,999	1.22	0.62						
21,000-26,999	2.02	1.42	0.83					
27,000-32,999	2.82	2.22	1.63	1.04				
33,000-38,999	3.62	3.02	2.43	1.84	1.25			
39,000-44,999	4.42	3.82	3.23	2.64	2.05	1.46		
45,000-53,999	5.22	4.62	4.03	3.44	2.85	2.26	1.66	
54,000-64,999	6.82	6.22	5.63	5.04	4.45	3.86	3.26	2.08
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	0.43							
15,000-20,999	1.23	0.64						
21,000-26,999	2.03	1.44	0.86					
27,000-32,999	2.83	2.24	1.66	1.07				
33,000-38,999	3.63	3.04	2.46	1.87	1.28			
39,000-44,999	4.43	3.84	3.26	2.67	2.08	1.50		
45,000-53,999	5.23	4.64	4.06	3.47	2.88	2.30	1.71	
54,000-64,999	6.83	6.24	5.66	5.07	4.48	3.90	3.31	2.14

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	0.44							
15,000-20,999	1.24	0.66						
21,000-26,999	2.04	1.46	0.88					
27,000-32,999	2.84	2.26	1.68	1.10				
33,000-38,999	3.64	3.06	2.48	1.90	1.32			
39,000-44,999	4.44	3.86	3.28	2.70	2.12	1.54		
45,000-53,999	5.24	4.66	4.08	3.50	2.92	2.34	1.76	
54,000-64,999	6.84	6.26	5.68	5.10	4.52	3.94	3.36	2.20
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	0.45							
15,000-20,999	1.25	0.68						
21,000-26,999	2.05	1.48	0.90					
27,000-32,999	2.85	2.28	1.70	1.13				
33,000-38,999	3.65	3.08	2.50	1.93	1.35			
39,000-44,999	4.45	3.88	3.30	2.73	2.15	1.58		
45,000-53,999	5.25	4.68	4.10	3.53	2.95	2.38	1.80	
54,000-64,999	6.85	6.28	5.70	5.13	4.55	3.98	3.40	2.26
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	0.46							
15,000-20,999	1.26	0.69						
21,000-26,999	2.06	1.49	0.92					
27,000-32,999	2.86	2.29	1.72	1.16				
33,000-38,999	3.66	3.09	2.52	1.96	1.39			
39,000-44,999	4.46	3.89	3.32	2.76	2.19	1.62		
45,000-53,999	5.26	4.69	4.12	3.56	2.99	2.42	1.85	
54,000-64,999	6.86	6.29	5.72	5.16	4.59	4.02	3.45	2.31

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	0.47							
15,000-20,999	1.27	0.70						
21,000-26,999	2.07	1.50	0.94					
27,000-32,999	2.87	2.30	1.74	1.17				
33,000-38,999	3.67	3.10	2.54	1.97	1.41			
39,000-44,999	4.47	3.90	3.34	2.77	2.21	1.64		
45,000-53,999	5.27	4.70	4.14	3.57	3.01	2.44	1.87	
54,000-64,999	6.87	6.30	5.74	5.17	4.61	4.04	3.47	2.34

Heating, Early Retirement of an Electric Resistance Furnace

Table 432: Central Winter Demand Savings 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	1.52							
15,000-20,999	2.92	2.28						
21,000-26,999	4.32	3.68	3.04					
27,000-32,999	5.72	5.08	4.44	3.80				
33,000-38,999	7.12	6.48	5.84	5.20	4.56			
39,000-44,999	8.52	7.88	7.24	6.60	5.96	5.32		
45,000-53,999	9.91	9.27	8.63	8.00	7.36	6.72	6.08	
54,000-64,999	12.71	12.07	11.43	10.79	10.15	9.51	8.87	7.60

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	1.58							
15,000-20,999	2.98	2.37						
21,000-26,999	4.38	3.77	3.16					
27,000-32,999	5.78	5.17	4.56	3.95				
33,000-38,999	7.18	6.57	5.96	5.35	4.75			
39,000-44,999	8.58	7.97	7.36	6.75	6.14	5.54		
45,000-53,999	9.98	9.37	8.76	8.15	7.54	6.94	6.33	
54,000-64,999	12.78	12.17	11.56	10.95	10.34	9.73	9.13	7.91
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	1.61							
15,000-20,999	3.01	2.42						
21,000-26,999	4.41	3.82	3.23					
27,000-32,999	5.81	5.22	4.63	4.04				
33,000-38,999	7.21	6.62	6.03	5.43	4.84			
39,000-44,999	8.61	8.02	7.43	6.83	6.24	5.65		
45,000-53,999	10.01	9.42	8.83	8.23	7.64	7.05	6.46	
54,000-64,999	12.81	12.22	11.62	11.03	10.44	9.85	9.26	8.07
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	1.63							
15,000-20,999	3.03	2.44						
21,000-26,999	4.42	3.84	3.25					
27,000-32,999	5.82	5.24	4.65	4.07				
33,000-38,999	7.22	6.64	6.05	5.47	4.88			
39,000-44,999	8.62	8.04	7.45	6.86	6.28	5.69		
45,000-53,999	10.02	9.44	8.85	8.26	7.68	7.09	6.51	
54,000-64,999	12.82	12.23	11.65	11.06	10.48	9.89	9.30	8.13

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	1.64							
15,000-20,999	3.04	2.46						
21,000-26,999	4.44	3.86	3.28					
27,000-32,999	5.84	5.26	4.68	4.10				
33,000-38,999	7.23	6.65	6.07	5.49	4.91			
39,000-44,999	8.63	8.05	7.47	6.89	6.31	5.73		
45,000-53,999	10.03	9.45	8.87	8.29	7.71	7.13	6.55	
54,000-64,999	12.83	12.25	11.67	11.09	10.51	9.93	9.35	8.19
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	1.65							
15,000-20,999	3.05	2.47						
21,000-26,999	4.45	3.87	3.30					
27,000-32,999	5.85	5.27	4.70	4.12				
33,000-38,999	7.25	6.67	6.10	5.52	4.95			
39,000-44,999	8.65	8.07	7.50	6.92	6.35	5.77		
45,000-53,999	10.04	9.47	8.90	8.32	7.75	7.17	6.60	
54,000-64,999	12.84	12.27	11.69	11.12	10.55	9.97	9.40	8.25
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	1.66							
15,000-20,999	3.06	2.49						
21,000-26,999	4.46	3.89	3.32					
27,000-32,999	5.86	5.29	4.72	4.15				
33,000-38,999	7.26	6.69	6.12	5.55	4.98			
39,000-44,999	8.66	8.09	7.52	6.95	6.38	5.81		
45,000-53,999	10.06	9.49	8.92	8.35	7.78	7.21	6.64	
54,000-64,999	12.85	12.28	11.72	11.15	10.58	10.01	9.44	8.30

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	1.67							
15,000-20,999	3.07	2.50						
21,000-26,999	4.47	3.90	3.33					
27,000-32,999	5.86	5.30	4.73	4.17				
33,000-38,999	7.26	6.70	6.13	5.57	5.00			
39,000-44,999	8.66	8.10	7.53	6.97	6.40	5.83		
45,000-53,999	10.06	9.50	8.93	8.36	7.80	7.23	6.67	
54,000-64,999	12.86	12.29	11.73	11.16	10.60	10.03	9.47	8.33

Climate Zone 2: North Region, Dallas/Fort Worth

Heating, New Construction/Replace-on-Burnout

Table 433: Central Winter Demand Savings 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	0.06							
15,000-20,999	0.68	0.08						
21,000-26,999	1.30	0.70	0.11					
27,000-32,999	1.92	1.33	0.73	0.14				
33,000-38,999	2.54	1.95	1.35	0.76	0.17			
39,000-44,999	3.16	2.57	1.97	1.38	0.79	0.19		
45,000-53,999	3.78	3.19	2.60	2.00	1.41	0.82	0.22	
54,000-64,999	5.03	4.43	3.84	3.24	2.65	2.06	1.46	0.28

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	0.12							
15,000-20,999	0.74	0.18						
21,000-26,999	1.36	0.80	0.24					
27,000-32,999	1.98	1.42	0.86	0.30				
33,000-38,999	2.60	2.04	1.48	0.92	0.35			
39,000-44,999	3.22	2.66	2.10	1.54	0.98	0.41		
45,000-53,999	3.85	3.28	2.72	2.16	1.60	1.04	0.47	
54,000-64,999	5.09	4.53	3.96	3.40	2.84	2.28	1.72	0.59
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	0.15							
15,000-20,999	0.77	0.23						
21,000-26,999	1.39	0.85	0.30					
27,000-32,999	2.01	1.47	0.92	0.38				
33,000-38,999	2.64	2.09	1.54	1.00	0.45			
39,000-44,999	3.26	2.71	2.17	1.62	1.07	0.53		
45,000-53,999	3.88	3.33	2.79	2.24	1.70	1.15	0.60	
54,000-64,999	5.12	4.57	4.03	3.48	2.94	2.39	1.85	0.75
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	0.16							
15,000-20,999	0.78	0.24						
21,000-26,999	1.41	0.87	0.33					
27,000-32,999	2.03	1.49	0.95	0.41				
33,000-38,999	2.65	2.11	1.57	1.03	0.49			
39,000-44,999	3.27	2.73	2.19	1.65	1.11	0.57		
45,000-53,999	3.89	3.35	2.81	2.27	1.73	1.19	0.65	
54,000-64,999	5.13	4.59	4.05	3.51	2.97	2.44	1.90	0.82

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	0.18							
15,000-20,999	0.80	0.26						
21,000-26,999	1.42	0.88	0.35					
27,000-32,999	2.04	1.51	0.97	0.44				
33,000-38,999	2.66	2.13	1.59	1.06	0.53			
39,000-44,999	3.28	2.75	2.21	1.68	1.15	0.61		
45,000-53,999	3.90	3.37	2.84	2.30	1.77	1.23	0.70	
54,000-64,999	5.14	4.61	4.08	3.54	3.01	2.48	1.94	0.88
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	0.19							
15,000-20,999	0.81	0.28						
21,000-26,999	1.43	0.90	0.37					
27,000-32,999	2.05	1.52	0.99	0.47				
33,000-38,999	2.67	2.14	1.62	1.09	0.56			
39,000-44,999	3.29	2.76	2.24	1.71	1.18	0.65		
45,000-53,999	3.91	3.39	2.86	2.33	1.80	1.27	0.75	
54,000-64,999	5.16	4.63	4.10	3.57	3.04	2.52	1.99	0.93
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	0.20							
15,000-20,999	0.82	0.30						
21,000-26,999	1.44	0.92	0.39					
27,000-32,999	2.06	1.54	1.02	0.49				
33,000-38,999	2.68	2.16	1.64	1.11	0.59			
39,000-44,999	3.30	2.78	2.26	1.74	1.21	0.69		
45,000-53,999	3.92	3.40	2.88	2.36	1.83	1.31	0.79	
54,000-64,999	5.17	4.64	4.12	3.60	3.08	2.55	2.03	0.99

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	0.20							
15,000-20,999	0.83	0.31						
21,000-26,999	1.45	0.93	0.41					
27,000-32,999	2.07	1.55	1.03	0.51				
33,000-38,999	2.69	2.17	1.65	1.13	0.61			
39,000-44,999	3.31	2.79	2.27	1.75	1.23	0.71		
45,000-53,999	3.93	3.41	2.89	2.37	1.85	1.33	0.82	
54,000-64,999	5.17	4.65	4.14	3.62	3.10	2.58	2.06	1.02

Heating, Early Retirement of a Heat Pump

Table 434: Central Winter Demand Savings 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	0.13							
15,000-20,999	0.79	0.20						
21,000-26,999	1.45	0.86	0.27					
27,000-32,999	2.12	1.52	0.93	0.33				
33,000-38,999	2.78	2.18	1.59	1.00	0.40			
39,000-44,999	3.44	2.84	2.25	1.66	1.06	0.47		
45,000-53,999	4.10	3.50	2.91	2.32	1.72	1.13	0.54	
54,000-64,999	5.42	4.82	4.23	3.64	3.04	2.45	1.86	0.67

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	0.20							
15,000-20,999	0.86	0.30						
21,000-26,999	1.52	0.96	0.39					
27,000-32,999	2.18	1.62	1.05	0.49				
33,000-38,999	2.84	2.28	1.71	1.15	0.59			
39,000-44,999	3.50	2.94	2.37	1.81	1.25	0.69		
45,000-53,999	4.16	3.60	3.04	2.47	1.91	1.35	0.79	
54,000-64,999	5.48	4.92	4.36	3.79	3.23	2.67	2.11	0.98
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	0.23							
15,000-20,999	0.89	0.34						
21,000-26,999	1.55	1.00	0.46					
27,000-32,999	2.21	1.67	1.12	0.57				
33,000-38,999	2.87	2.33	1.78	1.23	0.69			
39,000-44,999	3.53	2.99	2.44	1.89	1.35	0.80		
45,000-53,999	4.19	3.65	3.10	2.56	2.01	1.46	0.92	
54,000-64,999	5.51	4.97	4.42	3.88	3.33	2.78	2.24	1.15
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	0.24							
15,000-20,999	0.90	0.36						
21,000-26,999	1.56	1.02	0.48					
27,000-32,999	2.22	1.68	1.14	0.60				
33,000-38,999	2.88	2.34	1.80	1.26	0.73			
39,000-44,999	3.54	3.00	2.46	1.93	1.39	0.85		
45,000-53,999	4.20	3.66	3.13	2.59	2.05	1.51	0.97	
54,000-64,999	5.53	4.99	4.45	3.91	3.37	2.83	2.29	1.21

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	0.25							
15,000-20,999	0.91	0.38						
21,000-26,999	1.57	1.04	0.51					
27,000-32,999	2.23	1.70	1.17	0.63				
33,000-38,999	2.90	2.36	1.83	1.29	0.76			
39,000-44,999	3.56	3.02	2.49	1.95	1.42	0.89		
45,000-53,999	4.22	3.68	3.15	2.62	2.08	1.55	1.01	
54,000-64,999	5.54	5.00	4.47	3.94	3.40	2.87	2.34	1.27
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	0.26							
15,000-20,999	0.93	0.40						
21,000-26,999	1.59	1.06	0.53					
27,000-32,999	2.25	1.72	1.19	0.66				
33,000-38,999	2.91	2.38	1.85	1.32	0.79			
39,000-44,999	3.57	3.04	2.51	1.98	1.46	0.93		
45,000-53,999	4.23	3.70	3.17	2.64	2.12	1.59	1.06	
54,000-64,999	5.55	5.02	4.49	3.96	3.44	2.91	2.38	1.32
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	0.28							
15,000-20,999	0.94	0.41						
21,000-26,999	1.60	1.07	0.55					
27,000-32,999	2.26	1.73	1.21	0.69				
33,000-38,999	2.92	2.40	1.87	1.35	0.83			
39,000-44,999	3.58	3.06	2.53	2.01	1.49	0.97		
45,000-53,999	4.24	3.72	3.19	2.67	2.15	1.63	1.10	
54,000-64,999	5.56	5.04	4.51	3.99	3.47	2.95	2.42	1.38

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	0.28							
15,000-20,999	0.94	0.42						
21,000-26,999	1.60	1.08	0.56					
27,000-32,999	2.26	1.74	1.23	0.71				
33,000-38,999	2.92	2.40	1.89	1.37	0.85			
39,000-44,999	3.58	3.07	2.55	2.03	1.51	0.99		
45,000-53,999	4.25	3.73	3.21	2.69	2.17	1.65	1.13	
54,000-64,999	5.57	5.05	4.53	4.01	3.49	2.97	2.45	1.41

Table 435: Central Winter Demand Savings 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	0.32							
15,000-20,999	1.08	0.48						
21,000-26,999	1.83	1.24	0.64					
27,000-32,999	2.59	1.99	1.40	0.81				
33,000-38,999	3.34	2.75	2.15	1.56	0.97			
39,000-44,999	4.10	3.50	2.91	2.32	1.72	1.13		
45,000-53,999	4.85	4.26	3.66	3.07	2.48	1.88	1.29	
54,000-64,999	6.36	5.77	5.17	4.58	3.99	3.39	2.80	1.61

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	0.39							
15,000-20,999	1.14	0.58						
21,000-26,999	1.89	1.33	0.77					
27,000-32,999	2.65	2.09	1.53	0.96				
33,000-38,999	3.40	2.84	2.28	1.72	1.16			
39,000-44,999	4.16	3.60	3.03	2.47	1.91	1.35		
45,000-53,999	4.91	4.35	3.79	3.23	2.67	2.10	1.54	
54,000-64,999	6.42	5.86	5.30	4.74	4.17	3.61	3.05	1.93
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	0.42							
15,000-20,999	1.17	0.63						
21,000-26,999	1.93	1.38	0.84					
27,000-32,999	2.68	2.14	1.59	1.04				
33,000-38,999	3.44	2.89	2.35	1.80	1.25			
39,000-44,999	4.19	3.65	3.10	2.55	2.01	1.46		
45,000-53,999	4.95	4.40	3.85	3.31	2.76	2.22	1.67	
54,000-64,999	6.46	5.91	5.36	4.82	4.27	3.73	3.18	2.09
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	0.43							
15,000-20,999	1.18	0.65						
21,000-26,999	1.94	1.40	0.86					
27,000-32,999	2.69	2.15	1.62	1.08				
33,000-38,999	3.45	2.91	2.37	1.83	1.29			
39,000-44,999	4.20	3.66	3.12	2.59	2.05	1.51		
45,000-53,999	4.96	4.42	3.88	3.34	2.80	2.26	1.72	
54,000-64,999	6.47	5.93	5.39	4.85	4.31	3.77	3.23	2.15

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	0.44							
15,000-20,999	1.20	0.66						
21,000-26,999	1.95	1.42	0.88					
27,000-32,999	2.71	2.17	1.64	1.11				
33,000-38,999	3.46	2.93	2.39	1.86	1.33			
39,000-44,999	4.22	3.68	3.15	2.61	2.08	1.55		
45,000-53,999	4.97	4.44	3.90	3.37	2.84	2.30	1.77	
54,000-64,999	6.48	5.95	5.41	4.88	4.35	3.81	3.28	2.21
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	0.45							
15,000-20,999	1.21	0.68						
21,000-26,999	1.96	1.43	0.91					
27,000-32,999	2.72	2.19	1.66	1.13				
33,000-38,999	3.47	2.94	2.42	1.89	1.36			
39,000-44,999	4.23	3.70	3.17	2.64	2.12	1.59		
45,000-53,999	4.98	4.45	3.93	3.40	2.87	2.34	1.81	
54,000-64,999	6.49	5.96	5.44	4.91	4.38	3.85	3.32	2.27
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	0.46							
15,000-20,999	1.22	0.70						
21,000-26,999	1.97	1.45	0.93					
27,000-32,999	2.73	2.21	1.68	1.16				
33,000-38,999	3.48	2.96	2.44	1.92	1.39			
39,000-44,999	4.24	3.72	3.19	2.67	2.15	1.63		
45,000-53,999	4.99	4.47	3.95	3.43	2.90	2.38	1.86	
54,000-64,999	6.50	5.98	5.46	4.93	4.41	3.89	3.37	2.32

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	0.47							
15,000-20,999	1.23	0.71						
21,000-26,999	1.98	1.46	0.94					
27,000-32,999	2.74	2.22	1.70	1.18				
33,000-38,999	3.49	2.97	2.45	1.93	1.41			
39,000-44,999	4.24	3.73	3.21	2.69	2.17	1.65		
45,000-53,999	5.00	4.48	3.96	3.44	2.92	2.40	1.88	
54,000-64,999	6.51	5.99	5.47	4.95	4.43	3.91	3.39	2.35

Heating, Early Retirement of an Electric Resistance Furnace

Table 436: Central Winter Demand Savings 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	1.55							
15,000-20,999	2.92	2.33						
21,000-26,999	4.30	3.70	3.11					
27,000-32,999	5.67	5.07	4.48	3.89				
33,000-38,999	7.04	6.44	5.85	5.26	4.66			
39,000-44,999	8.41	7.81	7.22	6.63	6.03	5.44		
45,000-53,999	9.78	9.18	8.59	8.00	7.40	6.81	6.22	
54,000-64,999	12.52	11.93	11.33	10.74	10.15	9.55	8.96	7.77

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	1.62							
15,000-20,999	2.99	2.43						
21,000-26,999	4.36	3.80	3.23					
27,000-32,999	5.73	5.17	4.60	4.04				
33,000-38,999	7.10	6.54	5.98	5.41	4.85			
39,000-44,999	8.47	7.91	7.35	6.78	6.22	5.66		
45,000-53,999	9.84	9.28	8.72	8.15	7.59	7.03	6.47	
54,000-64,999	12.58	12.02	11.46	10.90	10.33	9.77	9.21	8.09
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	1.65							
15,000-20,999	3.02	2.47						
21,000-26,999	4.39	3.85	3.30					
27,000-32,999	5.76	5.22	4.67	4.12				
33,000-38,999	7.13	6.59	6.04	5.50	4.95			
39,000-44,999	8.50	7.96	7.41	6.87	6.32	5.77		
45,000-53,999	9.87	9.33	8.78	8.24	7.69	7.14	6.60	
54,000-64,999	12.61	12.07	11.52	10.98	10.43	9.89	9.34	8.25
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	1.66							
15,000-20,999	3.03	2.49						
21,000-26,999	4.40	3.86	3.32					
27,000-32,999	5.77	5.23	4.69	4.16				
33,000-38,999	7.14	6.60	6.07	5.53	4.99			
39,000-44,999	8.52	7.98	7.44	6.90	6.36	5.82		
45,000-53,999	9.89	9.35	8.81	8.27	7.73	7.19	6.65	
54,000-64,999	12.63	12.09	11.55	11.01	10.47	9.93	9.39	8.31

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	1.67							
15,000-20,999	3.04	2.51						
21,000-26,999	4.42	3.88	3.35					
27,000-32,999	5.79	5.25	4.72	4.18				
33,000-38,999	7.16	6.62	6.09	5.56	5.02			
39,000-44,999	8.53	7.99	7.46	6.93	6.39	5.86		
45,000-53,999	9.90	9.36	8.83	8.30	7.76	7.23	6.70	
54,000-64,999	12.64	12.11	11.57	11.04	10.50	9.97	9.44	8.37
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	1.69							
15,000-20,999	3.06	2.53						
21,000-26,999	4.43	3.90	3.37					
27,000-32,999	5.80	5.27	4.74	4.21				
33,000-38,999	7.17	6.64	6.11	5.58	5.06			
39,000-44,999	8.54	8.01	7.48	6.95	6.43	5.90		
45,000-53,999	9.91	9.38	8.85	8.33	7.80	7.27	6.74	
54,000-64,999	12.65	12.12	11.59	11.07	10.54	10.01	9.48	8.43
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	1.70							
15,000-20,999	3.07	2.54						
21,000-26,999	4.44	3.92	3.39					
27,000-32,999	5.81	5.29	4.76	4.24				
33,000-38,999	7.18	6.66	6.13	5.61	5.09			
39,000-44,999	8.55	8.03	7.50	6.98	6.46	5.94		
45,000-53,999	9.92	9.40	8.88	8.35	7.83	7.31	6.79	
54,000-64,999	12.66	12.14	11.62	11.09	10.57	10.05	9.53	8.48

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	1.70							
15,000-20,999	3.07	2.55						
21,000-26,999	4.44	3.92	3.41					
27,000-32,999	5.81	5.30	4.78	4.26				
33,000-38,999	7.19	6.67	6.15	5.63	5.11			
39,000-44,999	8.56	8.04	7.52	7.00	6.48	5.96		
45,000-53,999	9.93	9.41	8.89	8.37	7.85	7.33	6.81	
54,000-64,999	12.67	12.15	11.63	11.11	10.59	10.07	9.55	8.51

Climate Zone 3: South Region, Houston

Heating, New Construction/Replace-on-Burnout

Table 437: Central Winter Demand Savings 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	0.05							
15,000-20,999	0.40	0.07						
21,000-26,999	0.76	0.43	0.10					
27,000-32,999	1.11	0.78	0.45	0.12				
33,000-38,999	1.47	1.14	0.81	0.48	0.15			
39,000-44,999	1.82	1.49	1.16	0.83	0.50	0.17		
45,000-53,999	2.17	1.84	1.51	1.19	0.86	0.53	0.20	
54,000-64,999	2.88	2.55	2.22	1.89	1.56	1.23	0.90	0.25

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	0.11							
15,000-20,999	0.46	0.16						
21,000-26,999	0.81	0.51	0.21					
27,000-32,999	1.17	0.87	0.56	0.26				
33,000-38,999	1.52	1.22	0.92	0.62	0.32			
39,000-44,999	1.88	1.57	1.27	0.97	0.67	0.37		
45,000-53,999	2.23	1.93	1.63	1.32	1.02	0.72	0.42	
54,000-64,999	2.94	2.64	2.33	2.03	1.73	1.43	1.13	0.53
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	0.13							
15,000-20,999	0.49	0.20						
21,000-26,999	0.84	0.56	0.27					
27,000-32,999	1.20	0.91	0.62	0.34				
33,000-38,999	1.55	1.26	0.98	0.69	0.40			
39,000-44,999	1.90	1.62	1.33	1.04	0.76	0.47		
45,000-53,999	2.26	1.97	1.68	1.40	1.11	0.82	0.54	
54,000-64,999	2.97	2.68	2.39	2.11	1.82	1.53	1.24	0.67
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	0.14							
15,000-20,999	0.50	0.22						
21,000-26,999	0.85	0.57	0.29					
27,000-32,999	1.21	0.93	0.64	0.36				
33,000-38,999	1.56	1.28	1.00	0.72	0.43			
39,000-44,999	1.92	1.63	1.35	1.07	0.79	0.51		
45,000-53,999	2.27	1.99	1.71	1.42	1.14	0.86	0.58	
54,000-64,999	2.98	2.70	2.41	2.13	1.85	1.57	1.29	0.72

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	0.16							
15,000-20,999	0.51	0.23						
21,000-26,999	0.86	0.59	0.31					
27,000-32,999	1.22	0.94	0.66	0.39				
33,000-38,999	1.57	1.30	1.02	0.74	0.47			
39,000-44,999	1.93	1.65	1.37	1.10	0.82	0.54		
45,000-53,999	2.28	2.00	1.73	1.45	1.17	0.90	0.62	
54,000-64,999	2.99	2.71	2.44	2.16	1.88	1.61	1.33	0.78
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	0.17							
15,000-20,999	0.52	0.25						
21,000-26,999	0.87	0.60	0.33					
27,000-32,999	1.23	0.96	0.69	0.41				
33,000-38,999	1.58	1.31	1.04	0.77	0.50			
39,000-44,999	1.94	1.66	1.39	1.12	0.85	0.58		
45,000-53,999	2.29	2.02	1.75	1.48	1.20	0.93	0.66	
54,000-64,999	3.00	2.73	2.46	2.18	1.91	1.64	1.37	0.83
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	0.18							
15,000-20,999	0.53	0.26						
21,000-26,999	0.88	0.62	0.35					
27,000-32,999	1.24	0.97	0.70	0.44				
33,000-38,999	1.59	1.33	1.06	0.79	0.53			
39,000-44,999	1.95	1.68	1.41	1.15	0.88	0.61		
45,000-53,999	2.30	2.03	1.77	1.50	1.23	0.97	0.70	
54,000-64,999	3.01	2.74	2.47	2.21	1.94	1.68	1.41	0.88

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	0.18							
15,000-20,999	0.53	0.27						
21,000-26,999	0.89	0.63	0.36					
27,000-32,999	1.24	0.98	0.72	0.45				
33,000-38,999	1.60	1.33	1.07	0.81	0.54			
39,000-44,999	1.95	1.69	1.42	1.16	0.90	0.63		
45,000-53,999	2.31	2.04	1.78	1.51	1.25	0.99	0.72	
54,000-64,999	3.01	2.75	2.49	2.22	1.96	1.70	1.43	0.90

Heating, Early Retirement of a Heat Pump

Table 438: Central Winter Demand Savings 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	0.12							
15,000-20,999	0.51	0.18						
21,000-26,999	0.90	0.57	0.24					
27,000-32,999	1.29	0.96	0.63	0.30				
33,000-38,999	1.67	1.34	1.02	0.69	0.36			
39,000-44,999	2.06	1.73	1.40	1.07	0.75	0.42		
45,000-53,999	2.45	2.12	1.79	1.46	1.13	0.80	0.48	
54,000-64,999	3.23	2.90	2.57	2.24	1.91	1.58	1.25	0.59

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	0.17							
15,000-20,999	0.56	0.26						
21,000-26,999	0.95	0.65	0.35					
27,000-32,999	1.34	1.04	0.74	0.44				
33,000-38,999	1.73	1.43	1.13	0.83	0.52			
39,000-44,999	2.12	1.82	1.52	1.21	0.91	0.61		
45,000-53,999	2.51	2.21	1.90	1.60	1.30	1.00	0.70	
54,000-64,999	3.29	2.98	2.68	2.38	2.08	1.78	1.48	0.87
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	0.20							
15,000-20,999	0.59	0.31						
21,000-26,999	0.98	0.69	0.41					
27,000-32,999	1.37	1.08	0.80	0.51				
33,000-38,999	1.76	1.47	1.19	0.90	0.61			
39,000-44,999	2.15	1.86	1.57	1.29	1.00	0.71		
45,000-53,999	2.54	2.25	1.96	1.68	1.39	1.10	0.81	
54,000-64,999	3.31	3.03	2.74	2.45	2.17	1.88	1.59	1.02
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	0.21							
15,000-20,999	0.60	0.32						
21,000-26,999	0.99	0.71	0.43					
27,000-32,999	1.38	1.10	0.82	0.54				
33,000-38,999	1.77	1.49	1.21	0.93	0.64			
39,000-44,999	2.16	1.88	1.60	1.31	1.03	0.75		
45,000-53,999	2.55	2.27	1.98	1.70	1.42	1.14	0.86	
54,000-64,999	3.33	3.04	2.76	2.48	2.20	1.92	1.64	1.07

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	0.23							
15,000-20,999	0.61	0.34						
21,000-26,999	1.00	0.73	0.45					
27,000-32,999	1.39	1.12	0.84	0.56				
33,000-38,999	1.78	1.50	1.23	0.95	0.68			
39,000-44,999	2.17	1.89	1.62	1.34	1.06	0.79		
45,000-53,999	2.56	2.28	2.01	1.73	1.45	1.18	0.90	
54,000-64,999	3.34	3.06	2.78	2.51	2.23	1.95	1.68	1.13
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	0.24							
15,000-20,999	0.62	0.35						
21,000-26,999	1.01	0.74	0.47					
27,000-32,999	1.40	1.13	0.86	0.59				
33,000-38,999	1.79	1.52	1.25	0.98	0.71			
39,000-44,999	2.18	1.91	1.64	1.37	1.09	0.82		
45,000-53,999	2.57	2.30	2.03	1.75	1.48	1.21	0.94	
54,000-64,999	3.35	3.07	2.80	2.53	2.26	1.99	1.72	1.18
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	0.24							
15,000-20,999	0.63	0.37						
21,000-26,999	1.02	0.76	0.49					
27,000-32,999	1.41	1.15	0.88	0.61				
33,000-38,999	1.80	1.53	1.27	1.00	0.73			
39,000-44,999	2.19	1.92	1.66	1.39	1.12	0.86		
45,000-53,999	2.58	2.31	2.05	1.78	1.51	1.25	0.98	
54,000-64,999	3.36	3.09	2.82	2.56	2.29	2.02	1.76	1.22

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	0.25							
15,000-20,999	0.64	0.38						
21,000-26,999	1.03	0.76	0.50					
27,000-32,999	1.42	1.15	0.89	0.63				
33,000-38,999	1.81	1.54	1.28	1.02	0.75			
39,000-44,999	2.19	1.93	1.67	1.40	1.14	0.88		
45,000-53,999	2.58	2.32	2.06	1.79	1.53	1.27	1.00	
54,000-64,999	3.36	3.10	2.83	2.57	2.31	2.04	1.78	1.25

Table 439: Central Winter Demand Savings 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	0.29							
15,000-20,999	0.76	0.43						
21,000-26,999	1.23	0.90	0.57					
27,000-32,999	1.70	1.37	1.04	0.72				
33,000-38,999	2.18	1.85	1.52	1.19	0.86			
39,000-44,999	2.65	2.32	1.99	1.66	1.33	1.00		
45,000-53,999	3.12	2.79	2.46	2.13	1.80	1.47	1.14	
54,000-64,999	4.07	3.74	3.41	3.08	2.75	2.42	2.09	1.43

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	0.34							
15,000-20,999	0.81	0.51						
21,000-26,999	1.29	0.99	0.68					
27,000-32,999	1.76	1.46	1.16	0.85				
33,000-38,999	2.23	1.93	1.63	1.33	1.03			
39,000-44,999	2.70	2.40	2.10	1.80	1.50	1.20		
45,000-53,999	3.18	2.88	2.57	2.27	1.97	1.67	1.37	
54,000-64,999	4.12	3.82	3.52	3.22	2.92	2.61	2.31	1.71
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	0.37							
15,000-20,999	0.84	0.56						
21,000-26,999	1.32	1.03	0.74					
27,000-32,999	1.79	1.50	1.21	0.93				
33,000-38,999	2.26	1.97	1.69	1.40	1.11			
39,000-44,999	2.73	2.45	2.16	1.87	1.59	1.30		
45,000-53,999	3.21	2.92	2.63	2.34	2.06	1.77	1.48	
54,000-64,999	4.15	3.86	3.58	3.29	3.00	2.72	2.43	1.85
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	0.38							
15,000-20,999	0.85	0.57						
21,000-26,999	1.33	1.05	0.76					
27,000-32,999	1.80	1.52	1.24	0.95				
33,000-38,999	2.27	1.99	1.71	1.43	1.15			
39,000-44,999	2.74	2.46	2.18	1.90	1.62	1.34		
45,000-53,999	3.22	2.94	2.65	2.37	2.09	1.81	1.53	
54,000-64,999	4.16	3.88	3.60	3.32	3.04	2.75	2.47	1.91

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	0.39							
15,000-20,999	0.86	0.59						
21,000-26,999	1.34	1.06	0.78					
27,000-32,999	1.81	1.53	1.26	0.98				
33,000-38,999	2.28	2.01	1.73	1.45	1.18			
39,000-44,999	2.75	2.48	2.20	1.93	1.65	1.37		
45,000-53,999	3.23	2.95	2.67	2.40	2.12	1.85	1.57	
54,000-64,999	4.17	3.90	3.62	3.34	3.07	2.79	2.51	1.96
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	0.40							
15,000-20,999	0.87	0.60						
21,000-26,999	1.35	1.08	0.80					
27,000-32,999	1.82	1.55	1.28	1.01				
33,000-38,999	2.29	2.02	1.75	1.48	1.21			
39,000-44,999	2.77	2.49	2.22	1.95	1.68	1.41		
45,000-53,999	3.24	2.97	2.70	2.42	2.15	1.88	1.61	
54,000-64,999	4.18	3.91	3.64	3.37	3.10	2.83	2.55	2.01
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	0.41							
15,000-20,999	0.88	0.62						
21,000-26,999	1.36	1.09	0.82					
27,000-32,999	1.83	1.56	1.30	1.03				
33,000-38,999	2.30	2.04	1.77	1.50	1.24			
39,000-44,999	2.77	2.51	2.24	1.98	1.71	1.44		
45,000-53,999	3.25	2.98	2.71	2.45	2.18	1.92	1.65	
54,000-64,999	4.19	3.93	3.66	3.39	3.13	2.86	2.59	2.06

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	0.42							
15,000-20,999	0.89	0.63						
21,000-26,999	1.36	1.10	0.84					
27,000-32,999	1.84	1.57	1.31	1.04				
33,000-38,999	2.31	2.04	1.78	1.52	1.25			
39,000-44,999	2.78	2.52	2.25	1.99	1.73	1.46		
45,000-53,999	3.25	2.99	2.73	2.46	2.20	1.94	1.67	
54,000-64,999	4.20	3.93	3.67	3.41	3.14	2.88	2.62	2.09

Heating, Early Retirement of an Electric Resistance Furnace

Table 440: Central Winter Demand Savings 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	1.51							
15,000-20,999	2.60	2.27						
21,000-26,999	3.68	3.35	3.02					
27,000-32,999	4.77	4.44	4.11	3.78				
33,000-38,999	5.85	5.52	5.19	4.86	4.53			
39,000-44,999	6.94	6.61	6.28	5.95	5.62	5.29		
45,000-53,999	8.02	7.69	7.36	7.03	6.70	6.37	6.05	
54,000-64,999	10.19	9.86	9.53	9.20	8.87	8.54	8.22	7.56

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	1.57							
15,000-20,999	2.65	2.35						
21,000-26,999	3.74	3.44	3.13					
27,000-32,999	4.82	4.52	4.22	3.92				
33,000-38,999	5.91	5.61	5.30	5.00	4.70			
39,000-44,999	6.99	6.69	6.39	6.09	5.79	5.48		
45,000-53,999	8.08	7.78	7.47	7.17	6.87	6.57	6.27	
54,000-64,999	10.25	9.95	9.64	9.34	9.04	8.74	8.44	7.84
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	1.60							
15,000-20,999	2.68	2.39						
21,000-26,999	3.77	3.48	3.19					
27,000-32,999	4.85	4.56	4.28	3.99				
33,000-38,999	5.94	5.65	5.36	5.08	4.79			
39,000-44,999	7.02	6.73	6.45	6.16	5.87	5.59		
45,000-53,999	8.11	7.82	7.53	7.25	6.96	6.67	6.38	
54,000-64,999	10.28	9.99	9.70	9.42	9.13	8.84	8.55	7.98
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	1.61							
15,000-20,999	2.69	2.41						
21,000-26,999	3.78	3.50	3.21					
27,000-32,999	4.86	4.58	4.30	4.02				
33,000-38,999	5.95	5.67	5.38	5.10	4.82			
39,000-44,999	7.03	6.75	6.47	6.19	5.91	5.62		
45,000-53,999	8.12	7.84	7.55	7.27	6.99	6.71	6.43	
54,000-64,999	10.29	10.01	9.72	9.44	9.16	8.88	8.60	8.03

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	1.62							
15,000-20,999	2.70	2.43						
21,000-26,999	3.79	3.51	3.23					
27,000-32,999	4.87	4.60	4.32	4.04				
33,000-38,999	5.96	5.68	5.41	5.13	4.85			
39,000-44,999	7.04	6.77	6.49	6.21	5.94	5.66		
45,000-53,999	8.13	7.85	7.58	7.30	7.02	6.75	6.47	
54,000-64,999	10.30	10.02	9.75	9.47	9.19	8.92	8.64	8.09
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	1.63							
15,000-20,999	2.71	2.44						
21,000-26,999	3.80	3.53	3.26					
27,000-32,999	4.88	4.61	4.34	4.07				
33,000-38,999	5.97	5.70	5.43	5.15	4.88			
39,000-44,999	7.05	6.78	6.51	6.24	5.97	5.70		
45,000-53,999	8.14	7.87	7.60	7.32	7.05	6.78	6.51	
54,000-64,999	10.31	10.04	9.77	9.49	9.22	8.95	8.68	8.14
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	1.64							
15,000-20,999	2.72	2.46						
21,000-26,999	3.81	3.54	3.27					
27,000-32,999	4.89	4.63	4.36	4.09				
33,000-38,999	5.98	5.71	5.44	5.18	4.91			
39,000-44,999	7.06	6.80	6.53	6.26	6.00	5.73		
45,000-53,999	8.15	7.88	7.62	7.35	7.08	6.82	6.55	
54,000-64,999	10.32	10.05	9.79	9.52	9.25	8.99	8.72	8.19

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	1.64							
15,000-20,999	2.73	2.46						
21,000-26,999	3.81	3.55	3.29					
27,000-32,999	4.90	4.63	4.37	4.11				
33,000-38,999	5.98	5.72	5.46	5.19	4.93			
39,000-44,999	7.07	6.80	6.54	6.28	6.01	5.75		
45,000-53,999	8.15	7.89	7.63	7.36	7.10	6.84	6.57	
54,000-64,999	10.32	10.06	9.80	9.53	9.27	9.01	8.74	8.22

Climate Zone 4: Valley Region, Corpus Christi

Heating, New Construction/Replace-on-Burnout

Table 441: Central Winter Demand Savings 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	0.04							
15,000-20,999	0.30	0.06						
21,000-26,999	0.57	0.32	0.07					
27,000-32,999	0.84	0.59	0.34	0.09				
33,000-38,999	1.10	0.85	0.61	0.36	0.11			
39,000-44,999	1.37	1.12	0.87	0.62	0.38	0.13		
45,000-53,999	1.63	1.39	1.14	0.89	0.64	0.40	0.15	
54,000-64,999	2.17	1.92	1.67	1.42	1.18	0.93	0.68	0.18

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	0.08							
15,000-20,999	0.35	0.12						
21,000-26,999	0.61	0.38	0.16					
27,000-32,999	0.88	0.65	0.42	0.20				
33,000-38,999	1.14	0.92	0.69	0.46	0.24			
39,000-44,999	1.41	1.18	0.96	0.73	0.50	0.28		
45,000-53,999	1.68	1.45	1.22	1.00	0.77	0.54	0.32	
54,000-64,999	2.21	1.98	1.75	1.53	1.30	1.07	0.85	0.39
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	0.10							
15,000-20,999	0.37	0.15						
21,000-26,999	0.63	0.42	0.20					
27,000-32,999	0.90	0.68	0.47	0.25				
33,000-38,999	1.17	0.95	0.73	0.52	0.30			
39,000-44,999	1.43	1.22	1.00	0.78	0.57	0.35		
45,000-53,999	1.70	1.48	1.27	1.05	0.83	0.62	0.40	
54,000-64,999	2.23	2.01	1.80	1.58	1.37	1.15	0.94	0.50
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	0.11							
15,000-20,999	0.38	0.16						
21,000-26,999	0.64	0.43	0.22					
27,000-32,999	0.91	0.70	0.48	0.27				
33,000-38,999	1.17	0.96	0.75	0.54	0.33			
39,000-44,999	1.44	1.23	1.02	0.80	0.59	0.38		
45,000-53,999	1.71	1.49	1.28	1.07	0.86	0.65	0.44	
54,000-64,999	2.24	2.03	1.81	1.60	1.39	1.18	0.97	0.54

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	0.12							
15,000-20,999	0.38	0.18						
21,000-26,999	0.65	0.44	0.23					
27,000-32,999	0.92	0.71	0.50	0.29				
33,000-38,999	1.18	0.97	0.77	0.56	0.35			
39,000-44,999	1.45	1.24	1.03	0.82	0.62	0.41		
45,000-53,999	1.71	1.51	1.30	1.09	0.88	0.67	0.47	
54,000-64,999	2.25	2.04	1.83	1.62	1.41	1.21	1.00	0.58
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	0.12							
15,000-20,999	0.39	0.19						
21,000-26,999	0.66	0.45	0.25					
27,000-32,999	0.92	0.72	0.51	0.31				
33,000-38,999	1.19	0.98	0.78	0.58	0.37			
39,000-44,999	1.45	1.25	1.05	0.84	0.64	0.44		
45,000-53,999	1.72	1.52	1.31	1.11	0.91	0.70	0.50	
54,000-64,999	2.25	2.05	1.85	1.64	1.44	1.23	1.03	0.62
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	0.13							
15,000-20,999	0.40	0.20						
21,000-26,999	0.66	0.46	0.26					
27,000-32,999	0.93	0.73	0.53	0.33				
33,000-38,999	1.20	1.00	0.80	0.60	0.40			
39,000-44,999	1.46	1.26	1.06	0.86	0.66	0.46		
45,000-53,999	1.73	1.53	1.33	1.13	0.93	0.73	0.53	
54,000-64,999	2.26	2.06	1.86	1.66	1.46	1.26	1.06	0.66

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	0.14							
15,000-20,999	0.40	0.20						
21,000-26,999	0.67	0.47	0.27					
27,000-32,999	0.93	0.74	0.54	0.34				
33,000-38,999	1.20	1.00	0.80	0.61	0.41			
39,000-44,999	1.47	1.27	1.07	0.87	0.67	0.48		
45,000-53,999	1.73	1.53	1.34	1.14	0.94	0.74	0.54	
54,000-64,999	2.26	2.07	1.87	1.67	1.47	1.27	1.08	0.68

Heating, Early Retirement of a Heat Pump

Table 442: Central Winter Demand Savings 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	0.09							
15,000-20,999	0.38	0.13						
21,000-26,999	0.67	0.43	0.18					
27,000-32,999	0.97	0.72	0.47	0.22				
33,000-38,999	1.26	1.01	0.76	0.52	0.27			
39,000-44,999	1.55	1.30	1.06	0.81	0.56	0.31		
45,000-53,999	1.84	1.60	1.35	1.10	0.85	0.60	0.36	
54,000-64,999	2.43	2.18	1.93	1.68	1.44	1.19	0.94	0.45

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	0.13							
15,000-20,999	0.42	0.20						
21,000-26,999	0.72	0.49	0.26					
27,000-32,999	1.01	0.78	0.55	0.33				
33,000-38,999	1.30	1.07	0.85	0.62	0.39			
39,000-44,999	1.59	1.37	1.14	0.91	0.69	0.46		
45,000-53,999	1.89	1.66	1.43	1.21	0.98	0.75	0.53	
54,000-64,999	2.47	2.24	2.02	1.79	1.56	1.34	1.11	0.66
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	0.15							
15,000-20,999	0.45	0.23						
21,000-26,999	0.74	0.52	0.31					
27,000-32,999	1.03	0.81	0.60	0.38				
33,000-38,999	1.32	1.11	0.89	0.67	0.46			
39,000-44,999	1.61	1.40	1.18	0.97	0.75	0.54		
45,000-53,999	1.91	1.69	1.48	1.26	1.04	0.83	0.61	
54,000-64,999	2.49	2.28	2.06	1.84	1.63	1.41	1.20	0.77
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	0.16							
15,000-20,999	0.45	0.24						
21,000-26,999	0.75	0.53	0.32					
27,000-32,999	1.04	0.83	0.61	0.40				
33,000-38,999	1.33	1.12	0.91	0.70	0.48			
39,000-44,999	1.62	1.41	1.20	0.99	0.78	0.56		
45,000-53,999	1.92	1.70	1.49	1.28	1.07	0.86	0.65	
54,000-64,999	2.50	2.29	2.08	1.86	1.65	1.44	1.23	0.81

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	0.17							
15,000-20,999	0.46	0.25						
21,000-26,999	0.75	0.55	0.34					
27,000-32,999	1.05	0.84	0.63	0.42				
33,000-38,999	1.34	1.13	0.92	0.72	0.51			
39,000-44,999	1.63	1.42	1.22	1.01	0.80	0.59		
45,000-53,999	1.92	1.72	1.51	1.30	1.09	0.88	0.68	
54,000-64,999	2.51	2.30	2.09	1.88	1.68	1.47	1.26	0.85
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	0.18							
15,000-20,999	0.47	0.27						
21,000-26,999	0.76	0.56	0.35					
27,000-32,999	1.05	0.85	0.65	0.44				
33,000-38,999	1.35	1.14	0.94	0.73	0.53			
39,000-44,999	1.64	1.43	1.23	1.03	0.82	0.62		
45,000-53,999	1.93	1.73	1.52	1.32	1.11	0.91	0.71	
54,000-64,999	2.52	2.31	2.11	1.90	1.70	1.50	1.29	0.88
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	0.18							
15,000-20,999	0.48	0.28						
21,000-26,999	0.77	0.57	0.37					
27,000-32,999	1.06	0.86	0.66	0.46				
33,000-38,999	1.35	1.15	0.95	0.75	0.55			
39,000-44,999	1.65	1.45	1.25	1.04	0.84	0.64		
45,000-53,999	1.94	1.74	1.54	1.34	1.14	0.94	0.74	
54,000-64,999	2.52	2.32	2.12	1.92	1.72	1.52	1.32	0.92

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	0.19							
15,000-20,999	0.48	0.28						
21,000-26,999	0.77	0.57	0.38					
27,000-32,999	1.07	0.87	0.67	0.47				
33,000-38,999	1.36	1.16	0.96	0.76	0.57			
39,000-44,999	1.65	1.45	1.25	1.06	0.86	0.66		
45,000-53,999	1.94	1.74	1.55	1.35	1.15	0.95	0.75	
54,000-64,999	2.53	2.33	2.13	1.93	1.73	1.54	1.34	0.94

Table 443: Central Winter Demand Savings 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	0.22							
15,000-20,999	0.57	0.32						
21,000-26,999	0.93	0.68	0.43					
27,000-32,999	1.28	1.03	0.79	0.54				
33,000-38,999	1.64	1.39	1.14	0.89	0.65			
39,000-44,999	1.99	1.74	1.50	1.25	1.00	0.75		
45,000-53,999	2.35	2.10	1.85	1.60	1.36	1.11	0.86	
54,000-64,999	3.06	2.81	2.56	2.31	2.07	1.82	1.57	1.08

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	0.26							
15,000-20,999	0.61	0.39						
21,000-26,999	0.97	0.74	0.51					
27,000-32,999	1.32	1.10	0.87	0.64				
33,000-38,999	1.68	1.45	1.22	1.00	0.77			
39,000-44,999	2.03	1.81	1.58	1.35	1.13	0.90		
45,000-53,999	2.39	2.16	1.93	1.71	1.48	1.25	1.03	
54,000-64,999	3.10	2.87	2.65	2.42	2.19	1.97	1.74	1.29
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	0.28							
15,000-20,999	0.63	0.42						
21,000-26,999	0.99	0.77	0.56					
27,000-32,999	1.34	1.13	0.91	0.70				
33,000-38,999	1.70	1.48	1.27	1.05	0.84			
39,000-44,999	2.05	1.84	1.62	1.41	1.19	0.98		
45,000-53,999	2.41	2.19	1.98	1.76	1.55	1.33	1.12	
54,000-64,999	3.12	2.90	2.69	2.47	2.26	2.04	1.83	1.39
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	0.29							
15,000-20,999	0.64	0.43						
21,000-26,999	1.00	0.79	0.57					
27,000-32,999	1.35	1.14	0.93	0.72				
33,000-38,999	1.71	1.50	1.28	1.07	0.86			
39,000-44,999	2.06	1.85	1.64	1.43	1.22	1.00		
45,000-53,999	2.42	2.21	1.99	1.78	1.57	1.36	1.15	
54,000-64,999	3.13	2.92	2.71	2.49	2.28	2.07	1.86	1.44

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	0.29							
15,000-20,999	0.65	0.44						
21,000-26,999	1.01	0.80	0.59					
27,000-32,999	1.36	1.15	0.95	0.74				
33,000-38,999	1.72	1.51	1.30	1.09	0.88			
39,000-44,999	2.07	1.86	1.66	1.45	1.24	1.03		
45,000-53,999	2.43	2.22	2.01	1.80	1.60	1.39	1.18	
54,000-64,999	3.14	2.93	2.72	2.51	2.31	2.10	1.89	1.47
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	0.30							
15,000-20,999	0.66	0.45						
21,000-26,999	1.01	0.81	0.61					
27,000-32,999	1.37	1.16	0.96	0.76				
33,000-38,999	1.72	1.52	1.32	1.11	0.91			
39,000-44,999	2.08	1.87	1.67	1.47	1.26	1.06		
45,000-53,999	2.43	2.23	2.03	1.82	1.62	1.41	1.21	
54,000-64,999	3.14	2.94	2.74	2.53	2.33	2.12	1.92	1.51
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	0.31							
15,000-20,999	0.67	0.46						
21,000-26,999	1.02	0.82	0.62					
27,000-32,999	1.38	1.18	0.97	0.77				
33,000-38,999	1.73	1.53	1.33	1.13	0.93			
39,000-44,999	2.09	1.89	1.69	1.48	1.28	1.08		
45,000-53,999	2.44	2.24	2.04	1.84	1.64	1.44	1.24	
54,000-64,999	3.15	2.95	2.75	2.55	2.35	2.15	1.95	1.55

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	0.31							
15,000-20,999	0.67	0.47						
21,000-26,999	1.02	0.83	0.63					
27,000-32,999	1.38	1.18	0.98	0.79				
33,000-38,999	1.73	1.54	1.34	1.14	0.94			
39,000-44,999	2.09	1.89	1.69	1.50	1.30	1.10		
45,000-53,999	2.45	2.25	2.05	1.85	1.65	1.45	1.26	
54,000-64,999	3.16	2.96	2.76	2.56	2.36	2.16	1.97	1.57

Heating, Early Retirement of an Electric Resistance Furnace

Table 444: Central Winter Demand Savings 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	1.16							
15,000-20,999	1.99	1.74						
21,000-26,999	2.82	2.57	2.32					
27,000-32,999	3.65	3.40	3.15	2.90				
33,000-38,999	4.47	4.23	3.98	3.73	3.48			
39,000-44,999	5.30	5.05	4.81	4.56	4.31	4.06		
45,000-53,999	6.13	5.88	5.63	5.39	5.14	4.89	4.64	
54,000-64,999	7.79	7.54	7.29	7.04	6.80	6.55	6.30	5.80

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	1.20							
15,000-20,999	2.03	1.80						
21,000-26,999	2.86	2.63	2.41					
27,000-32,999	3.69	3.46	3.23	3.01				
33,000-38,999	4.52	4.29	4.06	3.84	3.61			
39,000-44,999	5.34	5.12	4.89	4.66	4.44	4.21		
45,000-53,999	6.17	5.94	5.72	5.49	5.26	5.04	4.81	
54,000-64,999	7.83	7.60	7.37	7.15	6.92	6.69	6.47	6.01
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	1.22							
15,000-20,999	2.05	1.84						
21,000-26,999	2.88	2.67	2.45					
27,000-32,999	3.71	3.49	3.28	3.06				
33,000-38,999	4.54	4.32	4.11	3.89	3.67			
39,000-44,999	5.37	5.15	4.93	4.72	4.50	4.29		
45,000-53,999	6.19	5.98	5.76	5.55	5.33	5.11	4.90	
54,000-64,999	7.85	7.63	7.42	7.20	6.99	6.77	6.55	6.12
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	1.23							
15,000-20,999	2.06	1.85						
21,000-26,999	2.89	2.68	2.47					
27,000-32,999	3.72	3.51	3.29	3.08				
33,000-38,999	4.55	4.33	4.12	3.91	3.70			
39,000-44,999	5.37	5.16	4.95	4.74	4.53	4.32		
45,000-53,999	6.20	5.99	5.78	5.57	5.35	5.14	4.93	
54,000-64,999	7.86	7.65	7.43	7.22	7.01	6.80	6.59	6.16

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	1.24							
15,000-20,999	2.07	1.86						
21,000-26,999	2.90	2.69	2.48					
27,000-32,999	3.73	3.52	3.31	3.10				
33,000-38,999	4.55	4.35	4.14	3.93	3.72			
39,000-44,999	5.38	5.17	4.97	4.76	4.55	4.34		
45,000-53,999	6.21	6.00	5.79	5.59	5.38	5.17	4.96	
54,000-64,999	7.87	7.66	7.45	7.24	7.03	6.83	6.62	6.20
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	1.25							
15,000-20,999	2.08	1.87						
21,000-26,999	2.90	2.70	2.50					
27,000-32,999	3.73	3.53	3.32	3.12				
33,000-38,999	4.56	4.36	4.15	3.95	3.75			
39,000-44,999	5.39	5.18	4.98	4.78	4.57	4.37		
45,000-53,999	6.22	6.01	5.81	5.61	5.40	5.20	4.99	
54,000-64,999	7.87	7.67	7.47	7.26	7.06	6.85	6.65	6.24
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	1.26							
15,000-20,999	2.08	1.88						
21,000-26,999	2.91	2.71	2.51					
27,000-32,999	3.74	3.54	3.34	3.14				
33,000-38,999	4.57	4.37	4.17	3.97	3.77			
39,000-44,999	5.40	5.20	5.00	4.80	4.60	4.39		
45,000-53,999	6.22	6.02	5.82	5.62	5.42	5.22	5.02	
54,000-64,999	7.88	7.68	7.48	7.28	7.08	6.88	6.68	6.28

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	1.26							
15,000-20,999	2.09	1.89						
21,000-26,999	2.92	2.72	2.52					
27,000-32,999	3.74	3.55	3.35	3.15				
33,000-38,999	4.57	4.37	4.18	3.98	3.78			
39,000-44,999	5.40	5.20	5.00	4.81	4.61	4.41		
45,000-53,999	6.23	6.03	5.83	5.63	5.44	5.24	5.04	
54,000-64,999	7.88	7.69	7.49	7.29	7.09	6.89	6.70	6.30

Climate Zone 5: West Region, El Paso

Heating, New Construction/Replace-on-Burnout

Table 445: Central Winter Demand Savings for 8.2 HSPF Baseline—Zone 5

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	0.03							
15,000-20,999	0.26	0.05						
21,000-26,999	0.49	0.28	0.06					
27,000-32,999	0.72	0.50	0.29	0.08				
33,000-38,999	0.95	0.73	0.52	0.31	0.10			
39,000-44,999	1.17	0.96	0.75	0.54	0.32	0.11		
45,000-53,999	1.40	1.19	0.98	0.77	0.55	0.34	0.13	
54,000-64,999	1.86	1.65	1.43	1.22	1.01	0.80	0.58	0.16

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	0.07							
15,000-20,999	0.30	0.10						
21,000-26,999	0.52	0.33	0.14					
27,000-32,999	0.75	0.56	0.36	0.17				
33,000-38,999	0.98	0.79	0.59	0.40	0.20			
39,000-44,999	1.21	1.02	0.82	0.63	0.43	0.24		
45,000-53,999	1.44	1.24	1.05	0.86	0.66	0.47	0.27	
54,000-64,999	1.90	1.70	1.51	1.31	1.12	0.92	0.73	0.34

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	0.09							
15,000-20,999	0.32	0.13						
21,000-26,999	0.54	0.36	0.17					
27,000-32,999	0.77	0.59	0.40	0.22				
33,000-38,999	1.00	0.82	0.63	0.44	0.26			
39,000-44,999	1.23	1.04	0.86	0.67	0.49	0.30		
45,000-53,999	1.46	1.27	1.09	0.90	0.72	0.53	0.35	
54,000-64,999	1.92	1.73	1.54	1.36	1.17	0.99	0.80	0.43

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	0.09							
15,000-20,999	0.32	0.14						
21,000-26,999	0.55	0.37	0.19					
27,000-32,999	0.78	0.60	0.42	0.23				
33,000-38,999	1.01	0.83	0.64	0.46	0.28			
39,000-44,999	1.24	1.05	0.87	0.69	0.51	0.33		
45,000-53,999	1.46	1.28	1.10	0.92	0.74	0.56	0.37	
54,000-64,999	1.92	1.74	1.56	1.38	1.19	1.01	0.83	0.47

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	0.10							
15,000-20,999	0.33	0.15						
21,000-26,999	0.56	0.38	0.20					
27,000-32,999	0.79	0.61	0.43	0.25				
33,000-38,999	1.01	0.84	0.66	0.48	0.30			
39,000-44,999	1.24	1.06	0.89	0.71	0.53	0.35		
45,000-53,999	1.47	1.29	1.11	0.94	0.76	0.58	0.40	
54,000-64,999	1.93	1.75	1.57	1.39	1.22	1.04	0.86	0.50
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	0.11							
15,000-20,999	0.34	0.16						
21,000-26,999	0.56	0.39	0.21					
27,000-32,999	0.79	0.62	0.44	0.27				
33,000-38,999	1.02	0.85	0.67	0.50	0.32			
39,000-44,999	1.25	1.07	0.90	0.72	0.55	0.37		
45,000-53,999	1.48	1.30	1.13	0.95	0.78	0.60	0.43	
54,000-64,999	1.94	1.76	1.59	1.41	1.23	1.06	0.88	0.53
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	0.11							
15,000-20,999	0.34	0.17						
21,000-26,999	0.57	0.40	0.23					
27,000-32,999	0.80	0.63	0.45	0.28				
33,000-38,999	1.03	0.86	0.68	0.51	0.34			
39,000-44,999	1.26	1.08	0.91	0.74	0.57	0.40		
45,000-53,999	1.48	1.31	1.14	0.97	0.80	0.62	0.45	
54,000-64,999	1.94	1.77	1.60	1.43	1.25	1.08	0.91	0.57

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	0.12							
15,000-20,999	0.35	0.18						
21,000-26,999	0.57	0.40	0.23					
27,000-32,999	0.80	0.63	0.46	0.29				
33,000-38,999	1.03	0.86	0.69	0.52	0.35			
39,000-44,999	1.26	1.09	0.92	0.75	0.58	0.41		
45,000-53,999	1.49	1.32	1.15	0.98	0.81	0.64	0.47	
54,000-64,999	1.95	1.78	1.61	1.43	1.26	1.09	0.92	0.58

Heating, Early Retirement of a Heat Pump

Table 446: Central Winter Demand Savings for 7.7 HSPF Baseline—Zone 5

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	0.08							
15,000-20,999	0.33	0.12						
21,000-26,999	0.58	0.37	0.15					
27,000-32,999	0.83	0.62	0.40	0.19				
33,000-38,999	1.08	0.87	0.66	0.44	0.23			
39,000-44,999	1.33	1.12	0.91	0.69	0.48	0.27		
45,000-53,999	1.58	1.37	1.16	0.94	0.73	0.52	0.31	
54,000-64,999	2.09	1.87	1.66	1.45	1.23	1.02	0.81	0.38

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	0.11							
15,000-20,999	0.36	0.17						
21,000-26,999	0.61	0.42	0.23					
27,000-32,999	0.87	0.67	0.48	0.28				
33,000-38,999	1.12	0.92	0.73	0.53	0.34			
39,000-44,999	1.37	1.17	0.98	0.78	0.59	0.39		
45,000-53,999	1.62	1.42	1.23	1.04	0.84	0.65	0.45	
54,000-64,999	2.12	1.93	1.73	1.54	1.34	1.15	0.95	0.56
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	0.13							
15,000-20,999	0.38	0.20						
21,000-26,999	0.63	0.45	0.26					
27,000-32,999	0.88	0.70	0.51	0.33				
33,000-38,999	1.14	0.95	0.77	0.58	0.39			
39,000-44,999	1.39	1.20	1.02	0.83	0.65	0.46		
45,000-53,999	1.64	1.45	1.27	1.08	0.90	0.71	0.53	
54,000-64,999	2.14	1.95	1.77	1.58	1.40	1.21	1.03	0.66
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	0.14							
15,000-20,999	0.39	0.21						
21,000-26,999	0.64	0.46	0.28					
27,000-32,999	0.89	0.71	0.53	0.35				
33,000-38,999	1.14	0.96	0.78	0.60	0.42			
39,000-44,999	1.39	1.21	1.03	0.85	0.67	0.48		
45,000-53,999	1.64	1.46	1.28	1.10	0.92	0.74	0.55	
54,000-64,999	2.15	1.97	1.78	1.60	1.42	1.24	1.06	0.69

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	0.15							
15,000-20,999	0.40	0.22						
21,000-26,999	0.65	0.47	0.29					
27,000-32,999	0.90	0.72	0.54	0.36				
33,000-38,999	1.15	0.97	0.79	0.61	0.44			
39,000-44,999	1.40	1.22	1.04	0.87	0.69	0.51		
45,000-53,999	1.65	1.47	1.29	1.12	0.94	0.76	0.58	
54,000-64,999	2.15	1.98	1.80	1.62	1.44	1.26	1.08	0.73
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	0.15							
15,000-20,999	0.40	0.23						
21,000-26,999	0.65	0.48	0.30					
27,000-32,999	0.90	0.73	0.55	0.38				
33,000-38,999	1.16	0.98	0.81	0.63	0.46			
39,000-44,999	1.41	1.23	1.06	0.88	0.71	0.53		
45,000-53,999	1.66	1.48	1.31	1.13	0.96	0.78	0.61	
54,000-64,999	2.16	1.99	1.81	1.63	1.46	1.28	1.11	0.76
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	0.16							
15,000-20,999	0.41	0.24						
21,000-26,999	0.66	0.49	0.32					
27,000-32,999	0.91	0.74	0.57	0.40				
33,000-38,999	1.16	0.99	0.82	0.65	0.47			
39,000-44,999	1.41	1.24	1.07	0.90	0.73	0.55		
45,000-53,999	1.66	1.49	1.32	1.15	0.98	0.80	0.63	
54,000-64,999	2.17	1.99	1.82	1.65	1.48	1.31	1.13	0.79

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	0.16							
15,000-20,999	0.41	0.24						
21,000-26,999	0.66	0.49	0.32					
27,000-32,999	0.91	0.74	0.57	0.40				
33,000-38,999	1.17	1.00	0.83	0.66	0.49			
39,000-44,999	1.42	1.25	1.08	0.91	0.74	0.57		
45,000-53,999	1.67	1.50	1.33	1.16	0.99	0.82	0.65	
54,000-64,999	2.17	2.00	1.83	1.66	1.49	1.32	1.15	0.81

Table 447: Central Winter Demand Savings for 6.8 HSPF Baseline—Zone 5

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	0.18							
15,000-20,999	0.49	0.28						
21,000-26,999	0.79	0.58	0.37					
27,000-32,999	1.10	0.89	0.67	0.46				
33,000-38,999	1.40	1.19	0.98	0.77	0.55			
39,000-44,999	1.71	1.50	1.28	1.07	0.86	0.65		
45,000-53,999	2.02	1.80	1.59	1.38	1.16	0.95	0.74	
54,000-64,999	2.63	2.41	2.20	1.99	1.77	1.56	1.35	0.92

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	0.22							
15,000-20,999	0.53	0.33						
21,000-26,999	0.83	0.64	0.44					
27,000-32,999	1.14	0.94	0.75	0.55				
33,000-38,999	1.44	1.25	1.05	0.86	0.66			
39,000-44,999	1.75	1.55	1.36	1.16	0.97	0.77		
45,000-53,999	2.05	1.86	1.66	1.47	1.27	1.08	0.88	
54,000-64,999	2.66	2.47	2.27	2.08	1.88	1.69	1.49	1.10
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	0.24							
15,000-20,999	0.54	0.36						
21,000-26,999	0.85	0.66	0.48					
27,000-32,999	1.15	0.97	0.78	0.60				
33,000-38,999	1.46	1.27	1.09	0.90	0.72			
39,000-44,999	1.76	1.58	1.39	1.21	1.02	0.84		
45,000-53,999	2.07	1.88	1.70	1.51	1.33	1.14	0.96	
54,000-64,999	2.68	2.49	2.31	2.12	1.94	1.75	1.57	1.20
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	0.25							
15,000-20,999	0.55	0.37						
21,000-26,999	0.86	0.67	0.49					
27,000-32,999	1.16	0.98	0.80	0.62				
33,000-38,999	1.47	1.28	1.10	0.92	0.74			
39,000-44,999	1.77	1.59	1.41	1.23	1.04	0.86		
45,000-53,999	2.08	1.90	1.71	1.53	1.35	1.17	0.99	
54,000-64,999	2.69	2.51	2.32	2.14	1.96	1.78	1.60	1.23

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	0.25							
15,000-20,999	0.56	0.38						
21,000-26,999	0.86	0.69	0.51					
27,000-32,999	1.17	0.99	0.81	0.63				
33,000-38,999	1.47	1.30	1.12	0.94	0.76			
39,000-44,999	1.78	1.60	1.42	1.24	1.06	0.89		
45,000-53,999	2.08	1.91	1.73	1.55	1.37	1.19	1.01	
54,000-64,999	2.69	2.52	2.34	2.16	1.98	1.80	1.62	1.27
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	0.26							
15,000-20,999	0.56	0.39						
21,000-26,999	0.87	0.69	0.52					
27,000-32,999	1.18	1.00	0.82	0.65				
33,000-38,999	1.48	1.30	1.13	0.95	0.78			
39,000-44,999	1.79	1.61	1.43	1.26	1.08	0.91		
45,000-53,999	2.09	1.92	1.74	1.56	1.39	1.21	1.04	
54,000-64,999	2.70	2.53	2.35	2.17	2.00	1.82	1.65	1.30
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	0.27							
15,000-20,999	0.57	0.40						
21,000-26,999	0.88	0.70	0.53					
27,000-32,999	1.18	1.01	0.84	0.67				
33,000-38,999	1.49	1.31	1.14	0.97	0.80			
39,000-44,999	1.79	1.62	1.45	1.28	1.10	0.93		
45,000-53,999	2.10	1.92	1.75	1.58	1.41	1.24	1.06	
54,000-64,999	2.71	2.53	2.36	2.19	2.02	1.85	1.67	1.33

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	0.27							
15,000-20,999	0.57	0.40						
21,000-26,999	0.88	0.71	0.54					
27,000-32,999	1.18	1.01	0.84	0.67				
33,000-38,999	1.49	1.32	1.15	0.98	0.81			
39,000-44,999	1.80	1.62	1.45	1.28	1.11	0.94		
45,000-53,999	2.10	1.93	1.76	1.59	1.42	1.25	1.08	
54,000-64,999	2.71	2.54	2.37	2.20	2.03	1.86	1.69	1.35

Heating, Early Retirement of an Electric Resistance Furnace

Table 448: Central Winter Demand Savings for 3.412 HSPF Baseline—Zone 5

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	1.00							
15,000-20,999	1.72	1.50						
21,000-26,999	2.43	2.22	2.00					
27,000-32,999	3.14	2.93	2.72	2.51				
33,000-38,999	3.86	3.65	3.43	3.22	3.01			
39,000-44,999	4.57	4.36	4.15	3.93	3.72	3.51		
45,000-53,999	5.29	5.07	4.86	4.65	4.43	4.22	4.01	
54,000-64,999	6.71	6.50	6.29	6.08	5.86	5.65	5.44	5.01

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	1.04							
15,000-20,999	1.75	1.56						
21,000-26,999	2.47	2.27	2.08					
27,000-32,999	3.18	2.99	2.79	2.60				
33,000-38,999	3.89	3.70	3.50	3.31	3.12			
39,000-44,999	4.61	4.41	4.22	4.02	3.83	3.63		
45,000-53,999	5.32	5.13	4.93	4.74	4.54	4.35	4.15	
54,000-64,999	6.75	6.55	6.36	6.17	5.97	5.78	5.58	5.19
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	1.06							
15,000-20,999	1.77	1.59						
21,000-26,999	2.48	2.30	2.11					
27,000-32,999	3.20	3.01	2.83	2.64				
33,000-38,999	3.91	3.73	3.54	3.36	3.17			
39,000-44,999	4.63	4.44	4.26	4.07	3.89	3.70		
45,000-53,999	5.34	5.16	4.97	4.78	4.60	4.41	4.23	
54,000-64,999	6.77	6.58	6.40	6.21	6.03	5.84	5.66	5.29
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	1.06							
15,000-20,999	1.78	1.60						
21,000-26,999	2.49	2.31	2.13					
27,000-32,999	3.21	3.02	2.84	2.66				
33,000-38,999	3.92	3.74	3.56	3.37	3.19			
39,000-44,999	4.63	4.45	4.27	4.09	3.91	3.72		
45,000-53,999	5.35	5.17	4.98	4.80	4.62	4.44	4.26	
54,000-64,999	6.78	6.59	6.41	6.23	6.05	5.87	5.68	5.32

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	1.07							
15,000-20,999	1.78	1.61						
21,000-26,999	2.50	2.32	2.14					
27,000-32,999	3.21	3.03	2.86	2.68				
33,000-38,999	3.93	3.75	3.57	3.39	3.21			
39,000-44,999	4.64	4.46	4.28	4.11	3.93	3.75		
45,000-53,999	5.35	5.18	5.00	4.82	4.64	4.46	4.28	
54,000-64,999	6.78	6.60	6.43	6.25	6.07	5.89	5.71	5.35
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	1.08							
15,000-20,999	1.79	1.62						
21,000-26,999	2.51	2.33	2.15					
27,000-32,999	3.22	3.04	2.87	2.69				
33,000-38,999	3.93	3.76	3.58	3.41	3.23			
39,000-44,999	4.65	4.47	4.30	4.12	3.95	3.77		
45,000-53,999	5.36	5.19	5.01	4.84	4.66	4.48	4.31	
54,000-64,999	6.79	6.61	6.44	6.26	6.09	5.91	5.74	5.39
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	1.08							
15,000-20,999	1.80	1.63						
21,000-26,999	2.51	2.34	2.17					
27,000-32,999	3.23	3.05	2.88	2.71				
33,000-38,999	3.94	3.77	3.60	3.42	3.25			
39,000-44,999	4.65	4.48	4.31	4.14	3.97	3.79		
45,000-53,999	5.37	5.19	5.02	4.85	4.68	4.51	4.34	
54,000-64,999	6.79	6.62	6.45	6.28	6.11	5.93	5.76	5.42

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	1.09							
15,000-20,999	1.80	1.63						
21,000-26,999	2.52	2.35	2.17					
27,000-32,999	3.23	3.06	2.89	2.72				
33,000-38,999	3.94	3.77	3.60	3.43	3.26			
39,000-44,999	4.66	4.49	4.32	4.15	3.98	3.81		
45,000-53,999	5.37	5.20	5.03	4.86	4.69	4.52	4.35	
54,000-64,999	6.80	6.63	6.46	6.29	6.12	5.95	5.78	5.44

APPENDIX B: MINI-SPLIT AIR CONDITIONER AND HEAT PUMP DEEMED SAVINGS TABLES

Deemed Energy Savings Tables⁴⁶⁹

Table 449 through Table 467 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.⁴⁷⁰

For cooling savings, refer to Appendix A. The following heating savings assume no back-up electric resistance heat for the efficient case.

Climate Zone 1: Panhandle Region, Amarillo

Heating, New Construction/Replace-on-Burnout

Table 449: Mini-Split 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	216							
15,000-20,999	1,255	325						
21,000-26,999	2,293	1,363	433					
27,000-32,999	3,332	2,402	1,471	541				
33,000-38,999	4,370	3,440	2,510	1,580	649			
39,000-44,999	5,409	4,479	3,548	2,618	1,688	757		
45,000-53,999	6,447	5,517	4,587	3,656	2,726	1,796	866	
54,000-64,999	8,524	7,594	6,664	5,733	4,803	3,873	2,943	1,082

⁴⁶⁹ 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).

⁴⁷⁰ For projects using a custom baseline see TRMv8.0 Volume 4.

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	374							
15,000-20,999	1,413	561						
21,000-26,999	2,451	1,600	748					
27,000-32,999	3,490	2,638	1,787	935				
33,000-38,999	4,528	3,677	2,825	1,974	1,122			
39,000-44,999	5,566	4,715	3,864	3,012	2,161	1,309		
45,000-53,999	6,605	5,754	4,902	4,051	3,199	2,348	1,496	
54,000-64,999	8,682	7,830	6,979	6,128	5,276	4,425	3,573	1,870
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	456							
15,000-20,999	1,494	684						
21,000-26,999	2,533	1,722	912					
27,000-32,999	3,571	2,761	1,950	1,140				
33,000-38,999	4,610	3,799	2,989	2,178	1,368			
39,000-44,999	5,648	4,838	4,027	3,217	2,406	1,596		
45,000-53,999	6,687	5,876	5,066	4,255	3,445	2,634	1,824	
54,000-64,999	8,764	7,953	7,143	6,332	5,522	4,711	3,901	2,280
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	487							
15,000-20,999	1,525	730						
21,000-26,999	2,564	1,769	974					
27,000-32,999	3,602	2,807	2,012	1,217				
33,000-38,999	4,641	3,846	3,050	2,255	1,460			
39,000-44,999	5,679	4,884	4,089	3,294	2,499	1,704		
45,000-53,999	6,718	5,923	5,127	4,332	3,537	2,742	1,947	
54,000-64,999	8,795	7,999	7,204	6,409	5,614	4,819	4,024	2,434

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	516							
15,000-20,999	1,555	775						
21,000-26,999	2,593	1,813	1,033					
27,000-32,999	3,632	2,852	2,071	1,291				
33,000-38,999	4,670	3,890	3,110	2,329	1,549			
39,000-44,999	5,709	4,928	4,148	3,368	2,588	1,807		
45,000-53,999	6,747	5,967	5,187	4,406	3,626	2,846	2,066	
54,000-64,999	8,824	8,044	7,264	6,483	5,703	4,923	4,143	2,582
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	545							
15,000-20,999	1,583	817						
21,000-26,999	2,622	1,856	1,090					
27,000-32,999	3,660	2,894	2,128	1,362				
33,000-38,999	4,699	3,933	3,167	2,401	1,635			
39,000-44,999	5,737	4,971	4,205	3,439	2,673	1,907		
45,000-53,999	6,776	6,010	5,244	4,478	3,712	2,946	2,180	
54,000-64,999	8,853	8,087	7,321	6,555	5,789	5,023	4,257	2,725
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	572							
15,000-20,999	1,611	859						
21,000-26,999	2,649	1,897	1,145					
27,000-32,999	3,688	2,936	2,183	1,431				
33,000-38,999	4,726	3,974	3,222	2,470	1,717			
39,000-44,999	5,765	5,013	4,260	3,508	2,756	2,004		
45,000-53,999	6,803	6,051	5,299	4,547	3,794	3,042	2,290	
54,000-64,999	8,880	8,128	7,376	6,624	5,871	5,119	4,367	2,862

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	589							
15,000-20,999	1,627	883						
21,000-26,999	2,665	1,921	1,177					
27,000-32,999	3,704	2,960	2,216	1,471				
33,000-38,999	4,742	3,998	3,254	2,510	1,766			
39,000-44,999	5,781	5,037	4,292	3,548	2,804	2,060		
45,000-53,999	6,819	6,075	5,331	4,587	3,843	3,098	2,354	
54,000-64,999	8,896	8,152	7,408	6,664	5,919	5,175	4,431	2,943

Heating, Early Retirement of a Heat Pump

Table 450: Mini-split 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	413							
15,000-20,999	1,550	620						
21,000-26,999	2,687	1,756	826					
27,000-32,999	3,823	2,893	1,963	1,033				
33,000-38,999	4,960	4,030	3,100	2,170	1,239			
39,000-44,999	6,097	5,167	4,237	3,306	2,376	1,446		
45,000-53,999	7,234	6,304	5,373	4,443	3,513	2,583	1,652	
54,000-64,999	9,508	8,577	7,647	6,717	5,786	4,856	3,926	2,065

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	571							
15,000-20,999	1,708	856						
21,000-26,999	2,844	1,993	1,142					
27,000-32,999	3,981	3,130	2,278	1,427				
33,000-38,999	5,118	4,267	3,415	2,564	1,712			
39,000-44,999	6,255	5,403	4,552	3,700	2,849	1,998		
45,000-53,999	7,392	6,540	5,689	4,837	3,986	3,134	2,283	
54,000-64,999	9,665	8,814	7,962	7,111	6,259	5,408	4,557	2,854
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	653							
15,000-20,999	1,789	979						
21,000-26,999	2,926	2,116	1,305					
27,000-32,999	4,063	3,253	2,442	1,632				
33,000-38,999	5,200	4,389	3,579	2,768	1,958			
39,000-44,999	6,337	5,526	4,716	3,905	3,095	2,284		
45,000-53,999	7,473	6,663	5,852	5,042	4,231	3,421	2,611	
54,000-64,999	9,747	8,937	8,126	7,316	6,505	5,695	4,884	3,263
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	683							
15,000-20,999	1,820	1,025						
21,000-26,999	2,957	2,162	1,367					
27,000-32,999	4,094	3,299	2,504	1,709				
33,000-38,999	5,231	4,436	3,640	2,845	2,050			
39,000-44,999	6,367	5,572	4,777	3,982	3,187	2,392		
45,000-53,999	7,504	6,709	5,914	5,119	4,324	3,529	2,734	
54,000-64,999	9,778	8,983	8,188	7,393	6,597	5,802	5,007	3,417

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	713							
15,000-20,999	1,850	1,070						
21,000-26,999	2,987	2,206	1,426					
27,000-32,999	4,123	3,343	2,563	1,783				
33,000-38,999	5,260	4,480	3,700	2,919	2,139			
39,000-44,999	6,397	5,617	4,837	4,056	3,276	2,496		
45,000-53,999	7,534	6,754	5,973	5,193	4,413	3,632	2,852	
54,000-64,999	9,807	9,027	8,247	7,467	6,686	5,906	5,126	3,565
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	742							
15,000-20,999	1,878	1,112						
21,000-26,999	3,015	2,249	1,483					
27,000-32,999	4,152	3,386	2,620	1,854				
33,000-38,999	5,289	4,523	3,757	2,991	2,225			
39,000-44,999	6,426	5,660	4,894	4,128	3,362	2,596		
45,000-53,999	7,562	6,796	6,030	5,264	4,498	3,732	2,966	
54,000-64,999	9,836	9,070	8,304	7,538	6,772	6,006	5,240	3,708
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	769							
15,000-20,999	1,906	1,154						
21,000-26,999	3,043	2,291	1,538					
27,000-32,999	4,180	3,427	2,675	1,923				
33,000-38,999	5,316	4,564	3,812	3,060	2,307			
39,000-44,999	6,453	5,701	4,949	4,196	3,444	2,692		
45,000-53,999	7,590	6,838	6,085	5,333	4,581	3,829	3,077	
54,000-64,999	9,864	9,111	8,359	7,607	6,855	6,102	5,350	3,846

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	785							
15,000-20,999	1,922	1,178						
21,000-26,999	3,059	2,315	1,570					
27,000-32,999	4,196	3,451	2,707	1,963				
33,000-38,999	5,332	4,588	3,844	3,100	2,356			
39,000-44,999	6,469	5,725	4,981	4,237	3,492	2,748		
45,000-53,999	7,606	6,862	6,118	5,373	4,629	3,885	3,141	
54,000-64,999	9,880	9,135	8,391	7,647	6,903	6,159	5,414	3,926

Table 451: Mini-split 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	886							
15,000-20,999	2,259	1,328						
21,000-26,999	3,632	2,701	1,771					
27,000-32,999	5,005	4,074	3,144	2,214				
33,000-38,999	6,378	5,447	4,517	3,587	2,657			
39,000-44,999	7,751	6,820	5,890	4,960	4,030	3,099		
45,000-53,999	9,124	8,193	7,263	6,333	5,403	4,472	3,542	
54,000-64,999	11,870	10,940	10,009	9,079	8,149	7,218	6,288	4,428

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	1,043							
15,000-20,999	2,416	1,565						
21,000-26,999	3,789	2,938	2,086					
27,000-32,999	5,162	4,311	3,459	2,608				
33,000-38,999	6,535	5,684	4,832	3,981	3,130			
39,000-44,999	7,908	7,057	6,206	5,354	4,503	3,651		
45,000-53,999	9,281	8,430	7,579	6,727	5,876	5,024	4,173	
54,000-64,999	12,027	11,176	10,325	9,473	8,622	7,770	6,919	5,216
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	1,125							
15,000-20,999	2,498	1,688						
21,000-26,999	3,871	3,061	2,250					
27,000-32,999	5,244	4,434	3,623	2,813				
33,000-38,999	6,617	5,807	4,996	4,186	3,375			
39,000-44,999	7,990	7,180	6,369	5,559	4,748	3,938		
45,000-53,999	9,363	8,553	7,742	6,932	6,121	5,311	4,500	
54,000-64,999	12,109	11,299	10,488	9,678	8,867	8,057	7,246	5,625
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	1,156							
15,000-20,999	2,529	1,734						
21,000-26,999	3,902	3,107	2,312					
27,000-32,999	5,275	4,480	3,685	2,890				
33,000-38,999	6,648	5,853	5,058	4,263	3,468			
39,000-44,999	8,021	7,226	6,431	5,636	4,841	4,046		
45,000-53,999	9,394	8,599	7,804	7,009	6,214	5,419	4,623	
54,000-64,999	12,140	11,345	10,550	9,755	8,960	8,165	7,370	5,779

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	1,186							
15,000-20,999	2,559	1,778						
21,000-26,999	3,932	3,151	2,371					
27,000-32,999	5,305	4,524	3,744	2,964				
33,000-38,999	6,678	5,897	5,117	4,337	3,557			
39,000-44,999	8,051	7,270	6,490	5,710	4,930	4,149		
45,000-53,999	9,424	8,643	7,863	7,083	6,303	5,522	4,742	
54,000-64,999	12,170	11,389	10,609	9,829	9,049	8,268	7,488	5,928
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	1,214							
15,000-20,999	2,587	1,821						
21,000-26,999	3,960	3,194	2,428					
27,000-32,999	5,333	4,567	3,801	3,035				
33,000-38,999	6,706	5,940	5,174	4,408	3,642			
39,000-44,999	8,079	7,313	6,547	5,781	5,015	4,249		
45,000-53,999	9,452	8,686	7,920	7,154	6,388	5,622	4,856	
54,000-64,999	12,198	11,432	10,666	9,900	9,134	8,368	7,602	6,070
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	1,242							
15,000-20,999	2,615	1,862						
21,000-26,999	3,988	3,235	2,483					
27,000-32,999	5,361	4,608	3,856	3,104				
33,000-38,999	6,734	5,981	5,229	4,477	3,725			
39,000-44,999	8,107	7,355	6,602	5,850	5,098	4,346		
45,000-53,999	9,480	8,728	7,975	7,223	6,471	5,719	4,966	
54,000-64,999	12,226	11,474	10,721	9,969	9,217	8,465	7,712	6,208

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	1,258							
15,000-20,999	2,631	1,886						
21,000-26,999	4,004	3,259	2,515					
27,000-32,999	5,377	4,633	3,888	3,144				
33,000-38,999	6,750	6,006	5,261	4,517	3,773			
39,000-44,999	8,123	7,379	6,634	5,890	5,146	4,402		
45,000-53,999	9,496	8,752	8,007	7,263	6,519	5,775	5,031	
54,000-64,999	12,242	11,498	10,753	10,009	9,265	8,521	7,777	6,288

Heating, Early Retirement of an Electric Resistance Furnace

Table 452: Mini-split 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	4,390							
15,000-20,999	7,516	6,586						
21,000-26,999	10,641	9,711	8,781					
27,000-32,999	13,767	12,836	11,906	10,976				
33,000-38,999	16,892	15,962	15,032	14,101	13,171			
39,000-44,999	20,018	19,087	18,157	17,227	16,297	15,366		
45,000-53,999	23,143	22,213	21,283	20,352	19,422	18,492	17,561	
54,000-64,999	29,394	28,464	27,533	26,603	25,673	24,743	23,812	21,952

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	4,548							
15,000-20,999	7,673	6,822						
21,000-26,999	10,799	9,947	9,096					
27,000-32,999	13,924	13,073	12,222	11,370				
33,000-38,999	17,050	16,198	15,347	14,496	13,644			
39,000-44,999	20,175	19,324	18,472	17,621	16,770	15,918		
45,000-53,999	23,301	22,449	21,598	20,746	19,895	19,044	18,192	
54,000-64,999	29,552	28,700	27,849	26,997	26,146	25,294	24,443	22,740
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	4,630							
15,000-20,999	7,755	6,945						
21,000-26,999	10,881	10,070	9,260					
27,000-32,999	14,006	13,196	12,385	11,575				
33,000-38,999	17,132	16,321	15,511	14,700	13,890			
39,000-44,999	20,257	19,447	18,636	17,826	17,015	16,205		
45,000-53,999	23,383	22,572	21,762	20,951	20,141	19,330	18,520	
54,000-64,999	29,633	28,823	28,012	27,202	26,392	25,581	24,771	23,150
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	4,661							
15,000-20,999	7,786	6,991						
21,000-26,999	10,912	10,116	9,321					
27,000-32,999	14,037	13,242	12,447	11,652				
33,000-38,999	17,162	16,367	15,572	14,777	13,982			
39,000-44,999	20,288	19,493	18,698	17,903	17,108	16,312		
45,000-53,999	23,413	22,618	21,823	21,028	20,233	19,438	18,643	
54,000-64,999	29,664	28,869	28,074	27,279	26,484	25,689	24,894	23,303

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	4,690							
15,000-20,999	7,816	7,036						
21,000-26,999	10,941	10,161	9,381					
27,000-32,999	14,067	13,286	12,506	11,726				
33,000-38,999	17,192	16,412	15,632	14,851	14,071			
39,000-44,999	20,318	19,537	18,757	17,977	17,196	16,416		
45,000-53,999	23,443	22,663	21,882	21,102	20,322	19,542	18,761	
54,000-64,999	29,694	28,914	28,133	27,353	26,573	25,793	25,012	23,452
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	4,719							
15,000-20,999	7,844	7,078						
21,000-26,999	10,970	10,204	9,438					
27,000-32,999	14,095	13,329	12,563	11,797				
33,000-38,999	17,221	16,455	15,689	14,923	14,157			
39,000-44,999	20,346	19,580	18,814	18,048	17,282	16,516		
45,000-53,999	23,472	22,706	21,940	21,174	20,408	19,642	18,876	
54,000-64,999	29,722	28,956	28,190	27,424	26,658	25,892	25,126	23,594
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	4,746							
15,000-20,999	7,872	7,120						
21,000-26,999	10,997	10,245	9,493					
27,000-32,999	14,123	13,371	12,618	11,866				
33,000-38,999	17,248	16,496	15,744	14,991	14,239			
39,000-44,999	20,374	19,621	18,869	18,117	17,365	16,612		
45,000-53,999	23,499	22,747	21,995	21,242	20,490	19,738	18,986	
54,000-64,999	29,750	28,998	28,246	27,493	26,741	25,989	25,237	23,732

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	4,762							
15,000-20,999	7,888	7,144						
21,000-26,999	11,013	10,269	9,525					
27,000-32,999	14,139	13,395	12,650	11,906				
33,000-38,999	17,264	16,520	15,776	15,032	14,287			
39,000-44,999	20,390	19,645	18,901	18,157	17,413	16,669		
45,000-53,999	23,515	22,771	22,027	21,283	20,538	19,794	19,050	
54,000-64,999	29,766	29,022	28,278	27,533	26,789	26,045	25,301	23,812

Climate Zone 2: North Region, Dallas/Fort Worth

Heating, New Construction/Replace-on-Burnout

Table 453: Mini-split 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	90							
15,000-20,999	661	135						
21,000-26,999	1,231	706	180					
27,000-32,999	1,802	1,276	751	225				
33,000-38,999	2,373	1,847	1,321	796	270			
39,000-44,999	2,943	2,418	1,892	1,367	841	315		
45,000-53,999	3,514	2,988	2,463	1,937	1,412	886	360	
54,000-64,999	4,655	4,130	3,604	3,079	2,553	2,027	1,502	450

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	179							
15,000-20,999	750	269						
21,000-26,999	1,321	839	358					
27,000-32,999	1,891	1,410	929	448				
33,000-38,999	2,462	1,981	1,500	1,019	537			
39,000-44,999	3,033	2,551	2,070	1,589	1,108	627		
45,000-53,999	3,603	3,122	2,641	2,160	1,679	1,198	717	
54,000-64,999	4,745	4,263	3,782	3,301	2,820	2,339	1,858	896
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	225							
15,000-20,999	796	338						
21,000-26,999	1,367	909	451					
27,000-32,999	1,937	1,479	1,022	564				
33,000-38,999	2,508	2,050	1,592	1,134	676			
39,000-44,999	3,079	2,621	2,163	1,705	1,247	789		
45,000-53,999	3,649	3,191	2,734	2,276	1,818	1,360	902	
54,000-64,999	4,791	4,333	3,875	3,417	2,959	2,501	2,043	1,127
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	243							
15,000-20,999	813	364						
21,000-26,999	1,384	935	486					
27,000-32,999	1,955	1,506	1,056	607				
33,000-38,999	2,526	2,076	1,627	1,178	728			
39,000-44,999	3,096	2,647	2,198	1,748	1,299	850		
45,000-53,999	3,667	3,218	2,768	2,319	1,870	1,421	971	
54,000-64,999	4,808	4,359	3,910	3,460	3,011	2,562	2,113	1,214

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	260							
15,000-20,999	830	389						
21,000-26,999	1,401	960	519					
27,000-32,999	1,972	1,531	1,090	649				
33,000-38,999	2,542	2,101	1,660	1,220	779			
39,000-44,999	3,113	2,672	2,231	1,790	1,349	909		
45,000-53,999	3,684	3,243	2,802	2,361	1,920	1,479	1,038	
54,000-64,999	4,825	4,384	3,943	3,502	3,061	2,621	2,180	1,298
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	276							
15,000-20,999	846	414						
21,000-26,999	1,417	984	551					
27,000-32,999	1,988	1,555	1,122	689				
33,000-38,999	2,558	2,126	1,693	1,260	827			
39,000-44,999	3,129	2,696	2,263	1,831	1,398	965		
45,000-53,999	3,700	3,267	2,834	2,401	1,968	1,536	1,103	
54,000-64,999	4,841	4,408	3,975	3,543	3,110	2,677	2,244	1,379
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	291							
15,000-20,999	862	437						
21,000-26,999	1,433	1,008	583					
27,000-32,999	2,003	1,578	1,153	728				
33,000-38,999	2,574	2,149	1,724	1,299	874			
39,000-44,999	3,145	2,720	2,295	1,869	1,444	1,019		
45,000-53,999	3,715	3,290	2,865	2,440	2,015	1,590	1,165	
54,000-64,999	4,857	4,432	4,007	3,582	3,156	2,731	2,306	1,456

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	300							
15,000-20,999	871	450						
21,000-26,999	1,442	1,021	601					
27,000-32,999	2,012	1,592	1,171	751				
33,000-38,999	2,583	2,163	1,742	1,321	901			
39,000-44,999	3,154	2,733	2,313	1,892	1,472	1,051		
45,000-53,999	3,724	3,304	2,883	2,463	2,042	1,622	1,201	
54,000-64,999	4,866	4,445	4,025	3,604	3,184	2,763	2,343	1,502

Heating, Early Retirement of a Heat Pump

Table 454: Mini-split 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	201							
15,000-20,999	827	302						
21,000-26,999	1,454	928	402					
27,000-32,999	2,080	1,554	1,029	503				
33,000-38,999	2,706	2,180	1,655	1,129	604			
39,000-44,999	3,332	2,807	2,281	1,755	1,230	704		
45,000-53,999	3,959	3,433	2,907	2,382	1,856	1,330	805	
54,000-64,999	5,211	4,685	4,160	3,634	3,109	2,583	2,057	1,006

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	290							
15,000-20,999	917	435						
21,000-26,999	1,543	1,062	581					
27,000-32,999	2,169	1,688	1,207	726				
33,000-38,999	2,795	2,314	1,833	1,352	871			
39,000-44,999	3,421	2,940	2,459	1,978	1,497	1,016		
45,000-53,999	4,048	3,567	3,085	2,604	2,123	1,642	1,161	
54,000-64,999	5,300	4,819	4,338	3,857	3,376	2,895	2,414	1,451
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	337							
15,000-20,999	963	505						
21,000-26,999	1,589	1,131	673					
27,000-32,999	2,215	1,757	1,299	841				
33,000-38,999	2,841	2,384	1,926	1,468	1,010			
39,000-44,999	3,468	3,010	2,552	2,094	1,636	1,178		
45,000-53,999	4,094	3,636	3,178	2,720	2,262	1,804	1,346	
54,000-64,999	5,346	4,888	4,430	3,973	3,515	3,057	2,599	1,683
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	354							
15,000-20,999	980	531						
21,000-26,999	1,606	1,157	708					
27,000-32,999	2,233	1,783	1,334	885				
33,000-38,999	2,859	2,410	1,960	1,511	1,062			
39,000-44,999	3,485	3,036	2,587	2,137	1,688	1,239		
45,000-53,999	4,111	3,662	3,213	2,764	2,314	1,865	1,416	
54,000-64,999	5,364	4,915	4,465	4,016	3,567	3,117	2,668	1,770

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	371							
15,000-20,999	997	556						
21,000-26,999	1,623	1,182	741					
27,000-32,999	2,249	1,808	1,368	927				
33,000-38,999	2,876	2,435	1,994	1,553	1,112			
39,000-44,999	3,502	3,061	2,620	2,179	1,738	1,297		
45,000-53,999	4,128	3,687	3,246	2,805	2,365	1,924	1,483	
54,000-64,999	5,381	4,940	4,499	4,058	3,617	3,176	2,735	1,853
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	387							
15,000-20,999	1,013	580						
21,000-26,999	1,639	1,206	774					
27,000-32,999	2,266	1,833	1,400	967				
33,000-38,999	2,892	2,459	2,026	1,593	1,160			
39,000-44,999	3,518	3,085	2,652	2,220	1,787	1,354		
45,000-53,999	4,144	3,711	3,279	2,846	2,413	1,980	1,547	
54,000-64,999	5,397	4,964	4,531	4,098	3,665	3,233	2,800	1,934
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	402							
15,000-20,999	1,029	604						
21,000-26,999	1,655	1,230	805					
27,000-32,999	2,281	1,856	1,431	1,006				
33,000-38,999	2,907	2,482	2,057	1,632	1,207			
39,000-44,999	3,534	3,108	2,683	2,258	1,833	1,408		
45,000-53,999	4,160	3,735	3,310	2,885	2,460	2,035	1,610	
54,000-64,999	5,412	4,987	4,562	4,137	3,712	3,287	2,862	2,012

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	411							
15,000-20,999	1,038	617						
21,000-26,999	1,664	1,243	823					
27,000-32,999	2,290	1,870	1,449	1,029				
33,000-38,999	2,916	2,496	2,075	1,655	1,234			
39,000-44,999	3,543	3,122	2,702	2,281	1,861	1,440		
45,000-53,999	4,169	3,748	3,328	2,907	2,487	2,066	1,646	
54,000-64,999	5,421	5,001	4,580	4,160	3,739	3,319	2,898	2,057
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	468							
15,000-20,999	1,228	702						
21,000-26,999	1,988	1,462	936					
27,000-32,999	2,747	2,222	1,696	1,170				
33,000-38,999	3,507	2,981	2,456	1,930	1,404			
39,000-44,999	4,267	3,741	3,215	2,690	2,164	1,639		
45,000-53,999	5,026	4,501	3,975	3,449	2,924	2,398	1,873	
54,000-64,999	6,546	6,020	5,495	4,969	4,443	3,918	3,392	2,341

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	557							
15,000-20,999	1,317	836						
21,000-26,999	2,077	1,596	1,114					
27,000-32,999	2,836	2,355	1,874	1,393				
33,000-38,999	3,596	3,115	2,634	2,153	1,672			
39,000-44,999	4,356	3,875	3,394	2,913	2,431	1,950		
45,000-53,999	5,115	4,634	4,153	3,672	3,191	2,710	2,229	
54,000-64,999	6,635	6,154	5,673	5,192	4,711	4,229	3,748	2,786
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	603							
15,000-20,999	1,363	905						
21,000-26,999	2,123	1,665	1,207					
27,000-32,999	2,883	2,425	1,967	1,509				
33,000-38,999	3,642	3,184	2,726	2,268	1,810			
39,000-44,999	4,402	3,944	3,486	3,028	2,570	2,112		
45,000-53,999	5,162	4,704	4,246	3,788	3,330	2,872	2,414	
54,000-64,999	6,681	6,223	5,765	5,307	4,849	4,391	3,933	3,017
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	621							
15,000-20,999	1,381	931						
21,000-26,999	2,140	1,691	1,242					
27,000-32,999	2,900	2,451	2,001	1,552				
33,000-38,999	3,660	3,210	2,761	2,312	1,863			
39,000-44,999	4,419	3,970	3,521	3,072	2,622	2,173		
45,000-53,999	5,179	4,730	4,281	3,831	3,382	2,933	2,484	
54,000-64,999	6,699	6,249	5,800	5,351	4,902	4,452	4,003	3,104

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	638							
15,000-20,999	1,397	956						
21,000-26,999	2,157	1,716	1,275					
27,000-32,999	2,917	2,476	2,035	1,594				
33,000-38,999	3,676	3,236	2,795	2,354	1,913			
39,000-44,999	4,436	3,995	3,554	3,114	2,673	2,232		
45,000-53,999	5,196	4,755	4,314	3,873	3,432	2,991	2,551	
54,000-64,999	6,715	6,274	5,834	5,393	4,952	4,511	4,070	3,188
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	654							
15,000-20,999	1,413	981						
21,000-26,999	2,173	1,740	1,308					
27,000-32,999	2,933	2,500	2,067	1,634				
33,000-38,999	3,693	3,260	2,827	2,394	1,961			
39,000-44,999	4,452	4,019	3,587	3,154	2,721	2,288		
45,000-53,999	5,212	4,779	4,346	3,914	3,481	3,048	2,615	
54,000-64,999	6,731	6,299	5,866	5,433	5,000	4,567	4,135	3,269
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	669							
15,000-20,999	1,429	1,004						
21,000-26,999	2,189	1,764	1,339					
27,000-32,999	2,948	2,523	2,098	1,673				
33,000-38,999	3,708	3,283	2,858	2,433	2,008			
39,000-44,999	4,468	4,043	3,618	3,193	2,768	2,343		
45,000-53,999	5,228	4,803	4,377	3,952	3,527	3,102	2,677	
54,000-64,999	6,747	6,322	5,897	5,472	5,047	4,622	4,197	3,347

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	678							
15,000-20,999	1,438	1,018						
21,000-26,999	2,198	1,777	1,357					
27,000-32,999	2,958	2,537	2,117	1,696				
33,000-38,999	3,717	3,297	2,876	2,456	2,035			
39,000-44,999	4,477	4,056	3,636	3,215	2,795	2,374		
45,000-53,999	5,237	4,816	4,396	3,975	3,555	3,134	2,714	
54,000-64,999	6,756	6,336	5,915	5,495	5,074	4,654	4,233	3,392

Heating, Early Retirement of an Electric Resistance Furnace

Table 455: Mini-split 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	2,473							
15,000-20,999	4,235	3,710						
21,000-26,999	5,997	5,472	4,946					
27,000-32,999	7,760	7,234	6,708	6,183				
33,000-38,999	9,522	8,996	8,471	7,945	7,419			
39,000-44,999	11,284	10,758	10,233	9,707	9,181	8,656		
45,000-53,999	13,046	12,521	11,995	11,469	10,944	10,418	9,892	
54,000-64,999	16,571	16,045	15,519	14,994	14,468	13,942	13,417	12,365

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	2,562							
15,000-20,999	4,324	3,843						
21,000-26,999	6,087	5,605	5,124					
27,000-32,999	7,849	7,368	6,887	6,405				
33,000-38,999	9,611	9,130	8,649	8,168	7,687			
39,000-44,999	11,373	10,892	10,411	9,930	9,449	8,968		
45,000-53,999	13,135	12,654	12,173	11,692	11,211	10,730	10,249	
54,000-64,999	16,660	16,179	15,697	15,216	14,735	14,254	13,773	12,811
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	2,608							
15,000-20,999	4,371	3,913						
21,000-26,999	6,133	5,675	5,217					
27,000-32,999	7,895	7,437	6,979	6,521				
33,000-38,999	9,657	9,199	8,741	8,283	7,825			
39,000-44,999	11,419	10,961	10,503	10,045	9,588	9,130		
45,000-53,999	13,182	12,724	12,266	11,808	11,350	10,892	10,434	
54,000-64,999	16,706	16,248	15,790	15,332	14,874	14,416	13,958	13,042
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	2,626							
15,000-20,999	4,388	3,939						
21,000-26,999	6,150	5,701	5,252					
27,000-32,999	7,912	7,463	7,014	6,565				
33,000-38,999	9,675	9,225	8,776	8,327	7,878			
39,000-44,999	11,437	10,987	10,538	10,089	9,640	9,190		
45,000-53,999	13,199	12,750	12,300	11,851	11,402	10,953	10,503	
54,000-64,999	16,723	16,274	15,825	15,375	14,926	14,477	14,028	13,129

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	2,643							
15,000-20,999	4,405	3,964						
21,000-26,999	6,167	5,726	5,285					
27,000-32,999	7,929	7,488	7,047	6,606				
33,000-38,999	9,691	9,250	8,810	8,369	7,928			
39,000-44,999	11,453	11,013	10,572	10,131	9,690	9,249		
45,000-53,999	13,216	12,775	12,334	11,893	11,452	11,011	10,570	
54,000-64,999	16,740	16,299	15,858	15,417	14,976	14,536	14,095	13,213
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	2,659							
15,000-20,999	4,421	3,988						
21,000-26,999	6,183	5,750	5,317					
27,000-32,999	7,945	7,512	7,080	6,647				
33,000-38,999	9,707	9,275	8,842	8,409	7,976			
39,000-44,999	11,470	11,037	10,604	10,171	9,738	9,306		
45,000-53,999	13,232	12,799	12,366	11,933	11,501	11,068	10,635	
54,000-64,999	16,756	16,323	15,891	15,458	15,025	14,592	14,159	13,294
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	2,674							
15,000-20,999	4,436	4,011						
21,000-26,999	6,199	5,774	5,349					
27,000-32,999	7,961	7,536	7,111	6,686				
33,000-38,999	9,723	9,298	8,873	8,448	8,023			
39,000-44,999	11,485	11,060	10,635	10,210	9,785	9,360		
45,000-53,999	13,247	12,822	12,397	11,972	11,547	11,122	10,697	
54,000-64,999	16,772	16,347	15,922	15,497	15,072	14,647	14,221	13,371

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	2,683							
15,000-20,999	4,446	4,025						
21,000-26,999	6,208	5,787	5,367					
27,000-32,999	7,970	7,549	7,129	6,708				
33,000-38,999	9,732	9,312	8,891	8,471	8,050			
39,000-44,999	11,494	11,074	10,653	10,233	9,812	9,392		
45,000-53,999	13,256	12,836	12,415	11,995	11,574	11,154	10,733	
54,000-64,999	16,781	16,360	15,940	15,519	15,099	14,678	14,258	13,417

Climate Zone 3: South Region, Houston

Heating, New Construction/Replace-on-Burnout

Table 456: Mini-split 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 457: Mini-split 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 458: Mini-split 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