

Appendix D: Residential Measure Assumptions

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Measure ID	Sub-Sector	Building Type	End Use	Measure Name	Efficient Measure Definition	Baseline Definition	Measure Type	Measure Unit Name	Measure Life (Years)	Total Incremental Cost (\$)	Annual Energy Savings (kWh)	Annual PJM Capacity Savings (kW)	Annual Gas Savings (therms)
1	All	Electric Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement only	ENERGY STAR V 2.0 casement only	Time of Sale	AC unit	12	\$40.0	7	0.011	0.0
2	All	Electric Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement only	ENERGY STAR V 2.0 casement only	New Construction	AC unit	12	\$40.0	7	0.011	0.0
3	All	Gas Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement only	ENERGY STAR V 2.0 casement only	Time of Sale	AC unit	12	\$40.0	7	0.011	0.0
4	All	Gas Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement only	ENERGY STAR V 2.0 casement only	New Construction	AC unit	12	\$40.0	7	0.011	0.0
5	All	AC/Electric Resistance Heat	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement only	average existing room air conditioner casement only	Early Replacement	AC unit	12	\$448.0	53	0.076	0.0
6	All	AC/Gas Heat	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement only	average existing room air conditioner	Early Replacement	AC unit	12	\$448.0	53	0.076	0.0
7	All	Electric Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement-slider	ENERGY STAR V 2.0 casement-slider	Time of Sale	AC unit	12	\$40.0	6	0.009	0.0
8	All	Electric Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement-slider	ENERGY STAR V 2.0 casement-slider	New Construction	AC unit	12	\$40.0	6	0.009	0.0
9	All	Electric Heating	Appliances	CEE Tier 2 Room Air Conditioner	CEE Tier 2 with reverse cycle < 14000 Btu/h	ENERGY STAR V 2.0 with reverse cycle < 14000 Btu/h	Time of Sale	AC unit	12	\$100.0	34	0.048	0.0
10	All	Electric Heating	Appliances	CEE Tier 2 Room Air Conditioner	CEE Tier 2 with reverse cycle < 14000 Btu/h	ENERGY STAR V 2.0 with reverse cycle <	New Construction	AC unit	12	\$100.0	34	0.048	0.0

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14000 Btu/h													
11	All	Gas Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement-slider	ENERGY STAR V 2.0 casement-slider	Time of Sale	AC unit	12	\$40.0	6	0.009	0.0
12	All	Gas Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement-slider	ENERGY STAR V 2.0 casement-slider	New Construction	AC unit	12	\$40.0	6	0.009	0.0
13	All	AC/Electric Resistance Heat	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement-slider	average existing room air conditioner casement-slider	Early Replacement	AC unit	12	\$448.0	68	0.097	0.0
14	All	AC/Gas Heat	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 casement-slider	average existing room air conditioner casement only	Early Replacement	AC unit	12	\$448.0	68	0.097	0.0
15	All	Electric Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 with louvered sides and reverse cycle < 14000 Btu/h	ENERGY STAR V 2.0 with louvered sides and reverse cycle < 14000 Btu/h	Time of Sale	AC unit	12	\$40.0	9	0.012	0.0
16	All	Electric Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 with louvered sides and reverse cycle < 14000 Btu/h	ENERGY STAR V 2.0 with louvered sides and reverse cycle < 14000 Btu/h	New Construction	AC unit	12	\$40.0	9	0.012	0.0
17	All	Gas Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 with louvered sides and reverse cycle < 14000 Btu/h	ENERGY STAR V 2.0 with louvered sides and reverse cycle < 14000 Btu/h	Time of Sale	AC unit	12	\$40.0	9	0.012	0.0

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18	All	Gas Heating	Appliances	CEE Tier 1 and ENERGY STAR V3.0 Room Air Conditioner	CEE Tier 1 and ENERGY STAR V3.0 with louvered sides and reverse cycle < 14000 Btu/h	ENERGY STAR V 2.0 with louvered sides and reverse cycle < 14000 Btu/h	New Construction	AC unit	12	\$40.0	9	0.012	0.0
19	All	Gas Heating	Appliances	CEE Tier 2 Room Air Conditioner	CEE Tier 2 with reverse cycle < 14000 Btu/h	ENERGY STAR V 2.0 with reverse cycle < 14000 Btu/h	Time of Sale	AC unit	12	\$100.0	34	0.048	0.0
20	All	Gas Heating	Appliances	CEE Tier 2 Room Air Conditioner	CEE Tier 2 with reverse cycle < 14000 Btu/h	ENERGY STAR V 2.0 with reverse cycle < 14000 Btu/h	New Construction	AC unit	12	\$100.0	34	0.048	0.0
21	All	Electric Heating	Appliances	ENERGY STAR Air Purifier/Cleaner	ENERGY STAR Air Purifier/Cleaner CADR 101-150	Conventional unit	Time of Sale	air purifier	9	\$70.0	524	0.004	0.0
22	All	Electric Heating	Appliances	ENERGY STAR Air Purifier/Cleaner - RPP	ENERGY STAR Air Purifier/Cleaner CADR 101-150	Conventional unit	Time of Sale	air purifier	9	\$70.0	524	0.004	0.0
23	All	Electric Heating	Appliances	ENERGY STAR Air Purifier/Cleaner	ENERGY STAR Air Purifier/Cleaner CADR 101-150	Conventional unit	New Construction	air purifier	9	\$70.0	524	0.004	0.0
24	All	Gas Heating	Appliances	ENERGY STAR Air Purifier/Cleaner	ENERGY STAR Air Purifier/Cleaner CADR 101-150	Conventional unit	Time of Sale	air purifier	9	\$70.0	524	0.004	0.0
25	All	Gas Heating	Appliances	ENERGY STAR Air Purifier/Cleaner - RPP	ENERGY STAR Air Purifier/Cleaner CADR 101-150	Conventional unit	Time of Sale	air purifier	9	\$70.0	524	0.004	0.0
26	All	Gas Heating	Appliances	ENERGY STAR Air Purifier/Cleaner	ENERGY STAR Air Purifier/Cleaner CADR 101-150	Conventional unit	New Construction	air purifier	9	\$70.0	524	0.004	0.0
27	All	Electric DHW w/Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	New Construction	Clothes washer	14	\$65.0	163	0.021	0.0

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28	All	Electric DHW w/Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	Time of Sale	Clothes washer	14	\$65.0	163	0.021	0.0
29	All	Electric DHW w/Non-Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	New Construction	Clothes washer	14	\$65.0	163	0.021	0.0
30	All	Electric DHW w/Non-Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	Time of Sale	Clothes washer	14	\$65.0	163	0.021	0.0
31	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	New Construction	Clothes washer	14	\$65.0	76	0.010	3.7
32	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	New Construction	Clothes washer	14	\$65.0	76	0.010	3.7
33	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	Time of Sale	Clothes washer	14	\$65.0	76	0.010	3.7
34	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	Time of Sale	Clothes washer	14	\$65.0	76	0.010	3.7

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35	All	Electric DHW w/Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	New Construction	Clothes washer	14	\$65.0	100	0.013	2.2
36	All	Electric DHW w/Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	Time of Sale	Clothes washer	14	\$65.0	100	0.013	2.2
37	All	Electric DHW w/Non-Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	New Construction	Clothes washer	14	\$65.0	100	0.013	2.2
38	All	Electric DHW w/Non-Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	Time of Sale	Clothes washer	14	\$65.0	100	0.013	2.2
39	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	New Construction	Clothes washer	14	\$65.0	13	0.002	5.9
40	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	New Construction	Clothes washer	14	\$65.0	13	0.002	5.9
41	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	Time of Sale	Clothes washer	14	\$65.0	13	0.002	5.9
42	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	Time of Sale	Clothes washer	14	\$65.0	13	0.002	5.9

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43	All	Electric DHW w/Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	New Construction	Clothes washer	14	\$210.0	242	0.031	0.0
44	All	Electric DHW w/Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	Time of Sale	Clothes washer	14	\$210.0	242	0.031	0.0
45	All	Electric DHW w/Non-Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	Time of Sale	Clothes washer	14	\$210.0	242	0.031	0.0
46	All	Electric DHW w/Non-Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	New Construction	Clothes washer	14	\$210.0	242	0.031	0.0
47	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	New Construction	Clothes washer	14	\$210.0	89	0.011	6.6
48	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	New Construction	Clothes washer	14	\$210.0	89	0.011	6.6
49	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	Time of Sale	Clothes washer	14	\$210.0	89	0.011	6.6

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50	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (Electric dryer)	minimum federal standard Clothes Washer (Electric dryer)	Time of Sale	Clothes washer	14	\$210.0	89	0.011	6.6
51	All	Electric DHW w/Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	New Construction	Clothes washer	14	\$210.0	150	0.019	3.1
52	All	Electric DHW w/Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	Time of Sale	Clothes washer	14	\$210.0	150	0.019	3.1
53	All	Electric DHW w/Non-Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	New Construction	Clothes washer	14	\$210.0	150	0.019	3.1
54	All	Electric DHW w/Non-Electric Heating Rate	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	Time of Sale	Clothes washer	14	\$210.0	150	0.019	3.1
55	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	New Construction	Clothes washer	14	\$210.0	0	0.000	9.7
56	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	New Construction	Clothes washer	14	\$210.0	0	0.000	9.7
57	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	Time of Sale	Clothes washer	14	\$210.0	0	0.000	9.7

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58	All	Gas Water Heater	Appliances	ENERGY STAR and CEE Tier 2 and 3 Clothes Washers	ENERGY STAR Most Efficient Clothes Washer (gas dryer)	minimum federal standard Clothes Washer (gas dryer)	Time of Sale	Clothes washer	14	\$210.0	0	0.000	9.7
59	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	New Construction	Refrigerator	12	\$140.0	136	0.021	0.0
60	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Retrofit	Refrigerator	12	\$551.0	136	0.021	0.0
61	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Time of Sale	Refrigerator	12	\$140.0	136	0.021	0.0
62	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	New Construction	Refrigerator	12	\$140.0	136	0.021	0.0

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63	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Retrofit	Refrigerator	12	\$551.0	136	0.021	0.0
64	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Time of Sale	Refrigerator	12	\$140.0	136	0.021	0.0
65	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	New Construction	Refrigerator	12	\$140.0	163	0.025	0.0
66	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Retrofit	Refrigerator	12	\$551.0	163	0.025	0.0
67	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted	federal standard refrigerator-freezer/automatic defrost/side	Time of Sale	Refrigerator	12	\$140.0	163	0.025	0.0

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					freezer/with through the door ice service	mounted freezer/with through the door ice service							
68	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	New Construction	Refrigerator	12	\$140.0	163	0.025	0.0
69	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Retrofit	Refrigerator	12	\$551.0	163	0.025	0.0
70	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Time of Sale	Refrigerator	12	\$140.0	163	0.025	0.0
71	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	New Construction	Refrigerator	12	\$140.0	129	0.019	0.0

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72	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Retrofit	Refrigerator	12	\$551.0	129	0.019	0.0
73	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Time of Sale	Refrigerator	12	\$140.0	129	0.019	0.0
74	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	New Construction	Refrigerator	12	\$140.0	129	0.019	0.0
75	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Retrofit	Refrigerator	12	\$551.0	129	0.019	0.0
76	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted	federal standard Refrigerator-freezer/automatic defrost/side	Time of Sale	Refrigerator	12	\$140.0	129	0.019	0.0

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					freezer/without through the door ice service	mounted freezer/with out through the door ice service							
77	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	New Construction	Refrigerator	12	\$140.0	151	0.023	0.0
78	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Retrofit	Refrigerator	12	\$551.0	151	0.023	0.0
79	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Time of Sale	Refrigerator	12	\$140.0	151	0.023	0.0
80	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	New Construction	Refrigerator	12	\$140.0	151	0.023	0.0
81	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic	federal standard refrigerator-freezer/automatic	Retrofit	Refrigerator	12	\$551.0	151	0.023	0.0

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					defrost/top mounted freezer/through the door ice service	defrost/top mounted freezer/through the door ice service							
82	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Time of Sale	Refrigerator	12	\$140.0	151	0.023	0.0
83	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	New Construction	Refrigerator	12	\$140.0	110	0.017	0.0
84	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Retrofit	Refrigerator	12	\$551.0	110	0.017	0.0
85	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic	federal standard Refrigerator-freezer/automatic	Time of Sale	Refrigerator	12	\$140.0	110	0.017	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	defrost/top mounted freezer/with out through the door ice service & refrigerators w/ automatic defrost							
86	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/with out through the door ice service & refrigerators w/ automatic defrost	New Construction	Refrigerator	12	\$140.0	110	0.017	0.0
87	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/with out through the door ice service & refrigerators w/ automatic defrost	Retrofit	Refrigerator	12	\$551.0	110	0.017	0.0
88	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service &	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/with out through the door ice	Time of Sale	Refrigerator	12	\$140.0	110	0.017	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					refrigerators w/ automatic defrost	service & refrigerators w/ automatic defrost							
89	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	New Construction	Refrigerator	12	\$140.0	108	0.016	0.0
90	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	Retrofit	Refrigerator	12	\$551.0	108	0.016	0.0
91	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	Time of Sale	Refrigerator	12	\$140.0	108	0.016	0.0
92	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	New Construction	Refrigerator	12	\$140.0	108	0.016	0.0
93	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	Retrofit	Refrigerator	12	\$551.0	108	0.016	0.0
94	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	Time of Sale	Refrigerator	12	\$140.0	108	0.016	0.0
95	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators & Refrigerator-freezer/manual defrost	New Construction	Refrigerator	12	\$140.0	92	0.014	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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96	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	Retrofit	Refrigerator	12	\$551.0	92	0.014	0.0
97	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	Time of Sale	Refrigerator	12	\$140.0	92	0.014	0.0
98	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	New Construction	Refrigerator	12	\$140.0	92	0.014	0.0
99	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	Retrofit	Refrigerator	12	\$551.0	92	0.014	0.0
100	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	CEE Tier 2 (≥ 25% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	Time of Sale	Refrigerator	12	\$140.0	92	0.014	0.0
101	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	226	0.034	0.0
102	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard)	average existing refrigerator with average	Early Replacement	Refrigerator	12	\$551.0	226	0.034	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	remaining useful life								
103	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	359	0.054	0.0	
104	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	359	0.054	0.0	
105	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	371	0.056	0.0	
106	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	371	0.056	0.0	
107	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) refrigerator-	average existing refrigerator with average	Early Replacement	Refrigerator	12	\$551.0	221	0.033	0.0	

*Residential applicability factors were developed only for measures included in the potential analyses.

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					freezer/automatic defrost/top mounted freezer/through the door ice service	remaining useful life							
108	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	221	0.033	0.0
109	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	235	0.035	0.0
110	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	235	0.035	0.0
111	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-freezer/partial automatic defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	307	0.046	0.0
112	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerator-	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	307	0.046	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					freezer/partial automatic defrost								
113	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	312	0.047	0.0
114	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: CEE Tier 2 (≥ 25% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$551.0	312	0.047	0.0
115	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	123	0.018	0.0
116	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	123	0.018	0.0
117	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	144	0.022	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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118	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	144	0.022	0.0
119	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	253	0.038	0.0
120	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	253	0.038	0.0
121	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	293	0.044	0.0
122	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	293	0.044	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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123	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	169	0.025	0.0
124	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	169	0.025	0.0
125	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) Refrigerator-freezer/partial automatic defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	242	0.036	0.0
126	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) Refrigerator-freezer/partial automatic defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	242	0.036	0.0
127	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	average existing refrigerator with average remaining useful life	Early Replacement	Refrigerator	12	\$451.0	257	0.039	0.0
128	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Early Replacement: Estar (≥ 20% better than federal standard)	average existing refrigerator with average	Early Replacement	Refrigerator	12	\$451.0	257	0.039	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					Refrigerators&Refrigerator-freezer/manual defrost	remaining useful life							
129	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	New Construction	Refrigerator	12	\$40.0	52	0.008	0.0
130	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Retrofit	Refrigerator	12	\$451.0	52	0.008	0.0
131	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Time of Sale	Refrigerator	12	\$40.0	52	0.008	0.0
132	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	New Construction	Refrigerator	12	\$40.0	52	0.008	0.0
133	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/top mounted	federal standard refrigerator-freezer/automatic defrost/top	Retrofit	Refrigerator	12	\$451.0	52	0.008	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					freezer/through the door ice service	mounted freezer/through the door ice service							
134	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	federal standard refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Time of Sale	Refrigerator	12	\$40.0	52	0.008	0.0
135	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	New Construction	Refrigerator	12	\$40.0	54	0.008	0.0
136	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Retrofit	Refrigerator	12	\$451.0	54	0.008	0.0
137	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Time of Sale	Refrigerator	12	\$40.0	54	0.008	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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138	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	New Construction	Refrigerator	12	\$40.0	54	0.008	0.0
139	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Retrofit	Refrigerator	12	\$451.0	54	0.008	0.0
140	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	federal standard refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Time of Sale	Refrigerator	12	\$40.0	54	0.008	0.0
141	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	New Construction	Refrigerator	12	\$40.0	57	0.009	0.0
142	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted	federal standard refrigerator-freezer/automatic defrost/side	Retrofit	Refrigerator	12	\$451.0	57	0.009	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					freezer/with through the door ice service	mounted freezer/with through the door ice service							
143	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Time of Sale	Refrigerator	12	\$40.0	57	0.009	0.0
144	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	New Construction	Refrigerator	12	\$40.0	57	0.009	0.0
145	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Retrofit	Refrigerator	12	\$451.0	57	0.009	0.0
146	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	federal standard refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Time of Sale	Refrigerator	12	\$40.0	57	0.009	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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147	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	New Construction	Refrigerator	12	\$40.0	52	0.008	0.0
148	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Retrofit	Refrigerator	12	\$451.0	52	0.008	0.0
149	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Time of Sale	Refrigerator	12	\$40.0	52	0.008	0.0
150	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	New Construction	Refrigerator	12	\$40.0	52	0.008	0.0
151	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted	federal standard Refrigerator-freezer/automatic defrost/side	Retrofit	Refrigerator	12	\$451.0	52	0.008	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					freezer/without through the door ice service	mounted freezer/without through the door ice service							
152	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	federal standard Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Time of Sale	Refrigerator	12	\$40.0	52	0.008	0.0
153	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	New Construction	Refrigerator	12	\$40.0	44	0.007	0.0
154	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Retrofit	Refrigerator	12	\$451.0	44	0.007	0.0
155	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-	federal standard Refrigerator-freezer/automatic	Time of Sale	Refrigerator	12	\$40.0	44	0.007	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	matic defrost/top mounted freezer/with out through the door ice service & refrigerators w/ automatic defrost								
156	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/with out through the door ice service & refrigerators w/ automatic defrost	New Construction	Refrigerator	12	\$40.0	44	0.007	0.0	
157	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/with out through the door ice service & refrigerators w/ automatic defrost	Retrofit	Refrigerator	12	\$451.0	44	0.007	0.0	
158	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service &	federal standard Refrigerator-freezer/automatic defrost/top mounted freezer/with out through	Time of Sale	Refrigerator	12	\$40.0	44	0.007	0.0	

*Residential applicability factors were developed only for measures included in the potential analyses.

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					refrigerators w/ automatic defrost	the door ice service & refrigerators w/ automatic defrost								
159	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	New Construction	Refrigerator	12	\$40.0	43	0.006	0.0	
160	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	Retrofit	Refrigerator	12	\$451.0	43	0.006	0.0	
161	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	Time of Sale	Refrigerator	12	\$40.0	43	0.006	0.0	
162	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	New Construction	Refrigerator	12	\$40.0	43	0.006	0.0	
163	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	Retrofit	Refrigerator	12	\$451.0	43	0.006	0.0	
164	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerator-freezer/partial automatic defrost	federal standard Refrigerator-freezer/partial automatic defrost	Time of Sale	Refrigerator	12	\$40.0	43	0.006	0.0	
165	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	New Construction	Refrigerator	12	\$40.0	37	0.006	0.0	

*Residential applicability factors were developed only for measures included in the potential analyses.

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166	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	Retrofit	Refrigerator	12	\$451.0	37	0.006	0.0
167	All	Electric Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	Time of Sale	Refrigerator	12	\$40.0	37	0.006	0.0
168	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	New Construction	Refrigerator	12	\$40.0	37	0.006	0.0
169	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	Retrofit	Refrigerator	12	\$451.0	37	0.006	0.0
170	All	Gas Heating	Appliances	ENERGY STAR and CEE Tier 2 Refrigerator	Estar (≥ 20% better than federal standard) Refrigerators&Refrigerator-freezer/manual defrost	federal standard Refrigerators &Refrigerator-freezer/manual defrost	Time of Sale	Refrigerator	12	\$40.0	37	0.006	0.0
171	All	Electric Heating	Appliances	ENERGY STAR Clothes Dryer	ENERGY STAR Clothes Dryer (Electric)	minimum federal Clothes Dryer (Electric)	New Construction	Clothes washer	14	\$152.0	160	0.022	0.0
172	All	Electric Heating	Appliances	ENERGY STAR Clothes Dryer - RPP	ENERGY STAR Clothes Dryer (Electric)	minimum federal Clothes Dryer (Electric)	Time of Sale	Clothes washer	14	\$152.0	160	0.022	0.0
173	All	Gas Heating	Appliances	ENERGY STAR Clothes Dryer	ENERGY STAR Clothes Dryer (Electric)	minimum federal Clothes Dryer (Electric)	New Construction	Clothes washer	14	\$152.0	160	0.022	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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174	All	Gas Heating	Appliances	ENERGY STAR Clothes Dryer - RPP	ENERGY STAR Clothes Dryer (Electric)	minimum federal Clothes Dryer (Electric)	Time of Sale	Clothes washer	14	\$152.0	160	0.022	0.0
175	All	Electric Heating	Appliances	ENERGY STAR Clothes Dryer	ENERGY STAR Clothes Dryer (Gas)	minimum federal Clothes Dryer (Gas)	New Construction	Clothes washer	14	\$152.0	25	0.003	4.4
176	All	Electric Heating	Appliances	ENERGY STAR Clothes Dryer	ENERGY STAR Clothes Dryer (Gas)	minimum federal Clothes Dryer (Gas)	Time of Sale	Clothes washer	14	\$152.0	25	0.003	4.4
177	All	Gas Heating	Appliances	ENERGY STAR Clothes Dryer	ENERGY STAR Clothes Dryer (Gas)	minimum federal Clothes Dryer (Gas)	New Construction	Clothes washer	14	\$152.0	25	0.003	4.4
178	All	Gas Heating	Appliances	ENERGY STAR Clothes Dryer	ENERGY STAR Clothes Dryer (Gas)	minimum federal Clothes Dryer (Gas)	Time of Sale	Clothes washer	14	\$152.0	25	0.003	4.4
179	All	Electric Heating	Appliances	ENERGY STAR Dehumidifier V 3	<75 pints/day, ≥1.85 L/kWh	>54 to ≤ 75 pints/day, ≥ 1.70 L/kWh	Time of Sale	Dehumidifier	12	\$60.0	99	0.023	0.0
180	All	Electric Heating	Appliances	ENERGY STAR Dehumidifier V 3	<75 pints/day, ≥1.85 L/kWh	>54 to ≤ 75 pints/day, ≥ 1.70 L/kWh	New Construction	Dehumidifier	12	\$60.0	99	0.023	0.0
181	All	Gas Heating	Appliances	ENERGY STAR Dehumidifier V 3	<75 pints/day, ≥1.85 L/kWh	>54 to ≤ 75 pints/day, ≥ 1.70 L/kWh	Time of Sale	Dehumidifier	12	\$60.0	99	0.023	0.0
182	All	Gas Heating	Appliances	ENERGY STAR Dehumidifier V 3	<75 pints/day, ≥1.85 L/kWh	>54 to ≤ 75 pints/day, ≥ 1.70 L/kWh	New Construction	Dehumidifier	12	\$60.0	99	0.023	0.0
183	All	Electric Heating	Appliances	ENERGY STAR Dehumidifier V 3	75 to ≤185 pints/day, ≥2.80 L/kWh	>75 to ≤185 pints/day, ≥2.5 L/kWh	Time of Sale	Dehumidifier	12	\$60.0	178	0.041	0.0
184	All	Electric Heating	Appliances	ENERGY STAR Dehumidifier V 3	75 to ≤185 pints/day, ≥2.80 L/kWh	>75 to ≤185 pints/day, ≥2.5 L/kWh	New Construction	Dehumidifier	12	\$60.0	178	0.041	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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185	All	Gas Heating	Appliances	ENERGY STAR Dehumidifier V 3	75 to ≤185 pints/day, ≥2.80 L/kWh	>75 to ≤185 pints/day, ≥2.5 L/kWh	Time of Sale	Dehumidifier	12	\$60.0	178	0.041	0.0
186	All	Gas Heating	Appliances	ENERGY STAR Dehumidifier V 3	75 to ≤185 pints/day, ≥2.80 L/kWh	>75 to ≤185 pints/day, ≥2.5 L/kWh	New Construction	Dehumidifier	12	\$60.0	178	0.041	0.0
187	All	Electric Heating	Appliances	ENERGY STAR Dishwasher (standard; electric DHW)	295 kwh/year, 4.25 gal/cycle	307 kWh/year, 5.0 gal/cycle	Time of Sale	Dishwasher	13	\$50.0	12	0.001	0.0
188	All	Electric Heating	Appliances	ENERGY STAR Dishwasher (standard; electric DHW)	295 kwh/year, 4.25 gal/cycle	307 kWh/year, 5.0 gal/cycle	New Construction	Dishwasher	13	\$50.0	12	0.001	0.0
189	All	Gas Heating	Appliances	ENERGY STAR Dishwasher (standard; electric DHW)	295 kwh/year, 4.25 gal/cycle	307 kWh/year, 5.0 gal/cycle	Time of Sale	Dishwasher	13	\$50.0	12	0.001	0.0
190	All	Gas Heating	Appliances	ENERGY STAR Dishwasher (standard; electric DHW)	295 kwh/year, 4.25 gal/cycle	307 kWh/year, 5.0 gal/cycle	New Construction	Dishwasher	13	\$50.0	12	0.001	0.0
191	All	Electric Heating	Appliances	ENERGY STAR Dishwasher (standard; gas DHW)	295 kwh/year, 4.25 gal/cycle	307 kWh/year, 5.0 gal/cycle	New Construction	Dishwasher	13	\$50.0	5	0.001	0.3
192	All	Electric Heating	Appliances	ENERGY STAR Dishwasher (standard; gas DHW)	295 kwh/year, 4.25 gal/cycle	307 kWh/year, 5.0 gal/cycle	New Construction	Dishwasher	13	\$50.0	5	0.001	0.3
193	All	Gas Heating	Appliances	ENERGY STAR Dishwasher (standard; gas DHW)	295 kwh/year, 4.25 gal/cycle	307 kWh/year, 5.0 gal/cycle	New Construction	Dishwasher	13	\$50.0	5	0.001	0.3
194	All	Gas Heating	Appliances	ENERGY STAR Dishwasher (standard; gas DHW)	295 kwh/year, 4.25 gal/cycle	307 kWh/year, 5.0 gal/cycle	New Construction	Dishwasher	13	\$50.0	5	0.001	0.3
195	All	Electric Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - chest and all others	NAECA - chest and all others	Time of Sale	Freezer	11	\$35.0	31	0.005	0.0
196	All	Gas Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - chest and all others	NAECA - chest and all others	Time of Sale	Freezer	11	\$35.0	31	0.005	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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197	All	Electric Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - chest and all others	NAECA - chest and all others	New Construction	Freezer	11	\$35.0	31	0.005	0.0
198	All	Gas Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - chest and all others	NAECA - chest and all others	New Construction	Freezer	11	\$35.0	31	0.005	0.0
199	All	Electric Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - Upright/manual defrost	NAECA - Upright/manual defrost	Time of Sale	Freezer	11	\$35.0	35	0.006	0.0
200	All	Gas Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - Upright/manual defrost	NAECA - Upright/manual defrost	Time of Sale	Freezer	11	\$35.0	35	0.006	0.0
201	All	Electric Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - Upright/manual defrost	NAECA - Upright/manual defrost	New Construction	Freezer	11	\$35.0	35	0.006	0.0
202	All	Gas Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - Upright/manual defrost	NAECA - Upright/manual defrost	New Construction	Freezer	11	\$35.0	35	0.006	0.0
203	All	Electric Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - upright/automatic defrost	NAECA - upright/automatic defrost	Time of Sale	Freezer	11	\$35.0	47	0.008	0.0
204	All	Gas Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - upright/automatic defrost	NAECA - upright/automatic defrost	Time of Sale	Freezer	11	\$35.0	47	0.008	0.0
205	All	Electric Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - upright/automatic defrost	NAECA - upright/automatic defrost	New Construction	Freezer	11	\$35.0	47	0.008	0.0
206	All	Gas Heating	Appliances	ENERGY STAR Freezer	10% more efficient than NAECA - upright/automatic defrost	NAECA - upright/automatic defrost	New Construction	Freezer	11	\$35.0	47	0.008	0.0
207	All	Electric Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact chest	NAECA - compact chest	Time of Sale	Freezer	11	\$35.0	23	0.006	0.0
208	All	Gas Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact chest	NAECA - compact chest	Time of Sale	Freezer	11	\$35.0	23	0.006	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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209	All	Electric Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact chest	NAECA - compact chest	New Construction	Freezer	11	\$35.0	23	0.006	0.0
210	All	Gas Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact chest	NAECA - compact chest	New Construction	Freezer	11	\$35.0	23	0.006	0.0
211	All	Electric Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact upright/automatic defrost	NAECA - compact upright/automatic defrost	Time of Sale	Freezer	11	\$35.0	46	0.010	0.0
212	All	Gas Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact upright/automatic defrost	NAECA - compact upright/automatic defrost	Time of Sale	Freezer	11	\$35.0	46	0.010	0.0
213	All	Electric Heating	Appliances	ENERGY STAR Freezer - RPP	20% more efficient than NAECA - compact upright/automatic defrost	NAECA - compact upright/automatic defrost	Time of Sale	Freezer	11	\$35.0	46	0.010	0.0
214	All	Gas Heating	Appliances	ENERGY STAR Freezer - RPP	20% more efficient than NAECA - compact upright/automatic defrost	NAECA - compact upright/automatic defrost	Time of Sale	Freezer	11	\$35.0	46	0.010	0.0
215	All	Electric Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact upright/automatic defrost	NAECA - compact upright/automatic defrost	New Construction	Freezer	11	\$35.0	46	0.010	0.0
216	All	Gas Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact upright/automatic defrost	NAECA - compact upright/automatic defrost	New Construction	Freezer	11	\$35.0	46	0.010	0.0
217	All	Electric Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact upright/manual defrost	NAECA - compact upright/manual defrost	Time of Sale	Freezer	11	\$35.0	32	0.008	0.0
218	All	Gas Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact upright/manual defrost	NAECA - compact upright/manual defrost	Time of Sale	Freezer	11	\$35.0	32	0.008	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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219	All	Electric Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact upright/manual defrost	NAECA - compact upright/manual defrost	New Construction	Freezer	11	\$35.0	32	0.008	0.0
220	All	Gas Heating	Appliances	ENERGY STAR Freezer	20% more efficient than NAECA - compact upright/manual defrost	NAECA - compact upright/manual defrost	New Construction	Freezer	11	\$35.0	32	0.008	0.0
221	All	Electric Heating	Appliances	Freezer Recycling	Recycling post-1990 chest and all others freezers	Keeping post-1990 chest and all others freezers	Early Retirement	Freezer	8	\$120.0	697	0.082	0.0
222	All	Gas Heating	Appliances	Freezer Recycling	Recycling post-1990 chest and all others freezers	Keeping post-1990 chest and all others freezers	Early Retirement	Freezer	8	\$120.0	697	0.082	0.0
223	All	Electric Heating	Appliances	Freezer Recycling	Recycling post-1990 upright/automatic defrost freezer	Keeping post-1990 upright/automatic defrost freezer	Early Retirement	Freezer	8	\$120.0	714	0.084	0.0
224	All	Gas Heating	Appliances	Freezer Recycling	Recycling post-1990 upright/automatic defrost freezer	Keeping post-1990 upright/automatic defrost freezer	Early Retirement	Freezer	8	\$120.0	714	0.084	0.0
225	All	Electric Heating	Appliances	Freezer Recycling	Recycling post-1990 Upright/manual defrost freezer	Keeping post-1990 Upright/manual defrost freezer	Early Retirement	Freezer	8	\$120.0	714	0.084	0.0
226	All	Gas Heating	Appliances	Freezer Recycling	Recycling post-1990 Upright/manual defrost freezer	Keeping post-1990 Upright/manual defrost freezer	Early Retirement	Freezer	8	\$120.0	714	0.084	0.0
227	All	Electric Heating	Appliances	Freezer Recycling	Recycling pre-1990 chest and all others freezers	Keeping pre-1990 chest and all others freezers	Early Retirement	Freezer	8	\$120.0	1004	0.118	0.0
228	All	Gas Heating	Appliances	Freezer Recycling	Recycling pre-1990 chest and all others freezers	Keeping pre-1990 chest and all others freezers	Early Retirement	Freezer	8	\$120.0	1004	0.118	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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229	All	Electric Heating	Appliances	Freezer Recycling	Recycling pre-1990 upright/automatic defrost freezer	Keeping pre-1990 upright/automatic defrost freezer	Early Retirement	Freezer	8	\$120.0	1021	0.120	0.0
230	All	Gas Heating	Appliances	Freezer Recycling	Recycling pre-1990 upright/automatic defrost freezer	Keeping pre-1990 upright/automatic defrost freezer	Early Retirement	Freezer	8	\$120.0	1021	0.120	0.0
231	All	Electric Heating	Appliances	Freezer Recycling	Recycling pre-1990 Upright/manual defrost freezer	Keeping pre-1990 Upright/manual defrost freezer	Early Retirement	Freezer	8	\$120.0	1021	0.120	0.0
232	All	Gas Heating	Appliances	Freezer Recycling	Recycling pre-1990 Upright/manual defrost freezer	Keeping pre-1990 Upright/manual defrost freezer	Early Retirement	Freezer	8	\$120.0	1021	0.120	0.0
233	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling post-1990 refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Keeping post-1990 refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0
234	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling post-1990 refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Keeping post-1990 refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0
235	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling post-1990 refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Keeping post-1990 refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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						the door ice service							
236	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling post-1990 refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Keeping post-1990 refrigerator-freezer/automatic defrost/bottom mounted freezer/with out through the door ice service	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0
237	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling post-1990 refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Keeping post-1990 refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Early Retirement	Refrigerator	8	\$120.0	945	0.117	0.0
238	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling post-1990 refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Keeping post-1990 refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Early Retirement	Refrigerator	8	\$120.0	945	0.117	0.0
239	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling post-1990 Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Keeping post-1990 Refrigerator-freezer/automatic defrost/sidemounted freezer/with out through the door ice service	Early Retirement	Refrigerator	8	\$120.0	945	0.117	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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240	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling post-1990 Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Keeping post-1990 Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Early Retirement	Refrigerator	8	\$120.0	945	0.117	0.0
241	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling post-1990 Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Keeping post-1990 Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0
242	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling post-1990 Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Keeping post-1990 Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0
243	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling post-1990 Refrigerator-freezer/partial automatic defrost	Keeping post-1990 Refrigerator-freezer/partial automatic defrost	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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244	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling post-1990 Refrigerator-freezer/partial automatic defrost	Keeping post-1990 Refrigerator-freezer/partial automatic defrost	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0
245	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling post-1990 Refrigerators&Refrigerator-freezer/manual defrost	Keeping post-1990 Refrigerators &Refrigerator-freezer/manual defrost	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0
246	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling post-1990 Refrigerators&Refrigerator-freezer/manual defrost	Keeping post-1990 Refrigerators &Refrigerator-freezer/manual defrost	Early Retirement	Refrigerator	8	\$120.0	588	0.073	0.0
247	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Keeping pre-1990 refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0
248	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Keeping pre-1990 refrigerator-freezer/automatic defrost/top mounted freezer/through the door ice service	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0
249	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Keeping pre-1990 refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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						the door ice service							
250	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Keeping pre-1990 refrigerator-freezer/automatic defrost/bottom mounted freezer/without through the door ice service	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0
251	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Keeping pre-1990 refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Early Retirement	Refrigerator	8	\$120.0	1370	0.169	0.0
252	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Keeping pre-1990 refrigerator-freezer/automatic defrost/sidemounted freezer/with through the door ice service	Early Retirement	Refrigerator	8	\$120.0	1370	0.169	0.0
253	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Keeping pre-1990 Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Early Retirement	Refrigerator	8	\$120.0	1370	0.169	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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254	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Keeping pre-1990 Refrigerator-freezer/automatic defrost/sidemounted freezer/without through the door ice service	Early Retirement	Refrigerator	8	\$120.0	1370	0.169	0.0
255	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Keeping pre-1990 Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0
256	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Keeping pre-1990 Refrigerator-freezer/automatic defrost/top mounted freezer/without through the door ice service & refrigerators w/ automatic defrost	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0
257	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 Refrigerator-freezer/partial automatic defrost	Keeping pre-1990 Refrigerator-freezer/partial automatic defrost	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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258	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 Refrigerator-freezer/partial automatic defrost	Keeping pre-1990 Refrigerator-freezer/partial automatic defrost	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0
259	All	Electric Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 Refrigerators&Refrigerator-freezer/manual defrost	Keeping pre-1990 Refrigerators &Refrigerator-freezer/manual defrost	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0
260	All	Gas Heating	Appliances	Refrigerator Recycling	Recycling pre-1990 Refrigerators&Refrigerator-freezer/manual defrost	Keeping pre-1990 Refrigerators &Refrigerator-freezer/manual defrost	Early Retirement	Refrigerator	8	\$120.0	1014	0.125	0.0
261	All	Gas Heating	Appliances	Room Air Conditioner Recycling	Recycling old unit	existing inefficient room air conditioner, EER 7.7	Early Retirement	AC unit	4	\$120.0	232	0.331	0.0
262	All	Electric Heating	Appliances	Room Air Conditioner Recycling	Recycling old unit	existing inefficient room air conditioner, EER 7.7	Early Retirement	AC unit	4	\$120.0	232	0.331	0.0
263	All	Electric Heating	Consumer Electronics	Smart Strip	5 plug smart strip	standard power strip	Time of Sale	power strip	4	\$16.0	57	0.006	0.0
264	Single Family & Duplex	Electric Heating	Consumer Electronics	Smart Strip	5 plug smart strip	standard power strip	Direct Install	power strip	4	\$16.0	57	0.006	0.0
265	Multi-family	Electric Heating	Consumer Electronics	Smart Strip	5 plug smart strip	standard power strip	Direct Install	power strip	4	\$16.0	57	0.006	0.0
266	All	Gas Heating	Consumer Electronics	Smart Strip	5 plug smart strip	standard power strip	Time of Sale	power strip	4	\$16.0	57	0.006	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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267	Singl eFa mily &Du plex	Gas Heating	Consumer Electronics	Smart Strip	5 plug smart strip	standard power strip	Direct Install	power strip	4	\$16.0	57	0.006	0.0
268	Mult ifami ly	Gas Heating	Consumer Electronics	Smart Strip	5 plug smart strip	standard power strip	Direct Install	power strip	4	\$16.0	57	0.006	0.0
269	All	Electric Heating	Consumer Electronics	Smart Strip	7 plug smart strip	standard power strip	Time of Sale	power strip	4	\$26.0	103	0.012	0.0
270	Singl eFa mily &Du plex	Electric Heating	Consumer Electronics	Smart Strip	7 plug smart strip	standard power strip	Direct Install	power strip	4	\$26.0	103	0.012	0.0
271	Mult ifami ly	Electric Heating	Consumer Electronics	Smart Strip	7 plug smart strip	standard power strip	Direct Install	power strip	4	\$26.0	103	0.012	0.0
272	All	Gas Heating	Consumer Electronics	Smart Strip	7 plug smart strip	standard power strip	Time of Sale	power strip	4	\$26.0	103	0.012	0.0
273	Singl eFa mily &Du plex	Gas Heating	Consumer Electronics	Smart Strip	7 plug smart strip	standard power strip	Direct Install	power strip	4	\$26.0	103	0.012	0.0
274	Mult ifami ly	Gas Heating	Consumer Electronics	Smart Strip	7 plug smart strip	standard power strip	Direct Install	power strip	4	\$26.0	103	0.012	0.0
275	Singl eFa mily &Du plex	Electric DHW w/Electri c Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	Retrofit	Faucet	9	\$8.0	45	0.071	0.0
276	Singl eFa mily &Du plex	Electric DHW w/Non- Electric Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	Retrofit	Faucet	9	\$8.0	45	0.071	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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277	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Faucet Aerators and Showerheads	1.5 GPM or less	2.25 GPM or more	Retrofit	Faucet	9	\$8.0	45	0.071	0.0
278	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	Retrofit	Faucet	9	\$8.0	45	0.071	0.0
279	Multi-family	Electric DHW w/Electric Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	Retrofit	Faucet	9	\$8.0	70	0.070	0.0
280	Multi-family	Electric DHW w/Non-Electric Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	Retrofit	Faucet	9	\$8.0	70	0.070	0.0
281	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	New Construction	Faucet	9	\$8.0	45	0.071	0.0
282	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	New Construction	Faucet	9	\$8.0	45	0.071	0.0
283	Multi-family	Electric DHW w/Electric Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	New Construction	Faucet	9	\$8.0	70	0.070	0.0
284	Multi-family	Electric DHW w/Non-Electric Heating Rate	Hot Water	Bathroom Low Flow Aerators	1.5 GPM or less	2.25 GPM or more	New Construction	Faucet	9	\$8.0	70	0.070	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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285	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	Retrofit	Faucet	9	\$8.0	131	0.031	0.0
286	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	Retrofit	Faucet	9	\$8.0	131	0.031	0.0
287	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Faucet Aerators and Showerheads	2.2 GPM or less	2.75 GPM or more	Retrofit	Faucet	9	\$8.0	131	0.031	0.0
288	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	Retrofit	Faucet	9	\$8.0	131	0.031	0.0
289	Multi-family	Electric DHW w/Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	Retrofit	Faucet	9	\$8.0	103	0.029	0.0
290	Multi-family	Electric DHW w/Non-Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	Retrofit	Faucet	9	\$8.0	103	0.029	0.0
291	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	New Construction	Faucet	9	\$8.0	131	0.031	0.0
292	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	New Construction	Faucet	9	\$8.0	131	0.031	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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293	Multifamily	Electric DHW w/Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	New Construction	Faucet	9	\$8.0	107	0.031	0.0
294	Multifamily	Electric DHW w/Non-Electric Heating Rate	Hot Water	Kitchen Low Flow Aerators	2.2 GPM or less	2.75 GPM or more	New Construction	Faucet	9	\$8.0	107	0.031	0.0
295	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	328	0.034	0.0
296	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	238	0.025	0.0
297	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	238	0.025	0.0
298	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	238	0.025	0.0
299	Multifamily	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	359	0.046	0.0
300	Multifamily	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	261	0.033	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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301	Multifamily	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	261	0.033	0.0
302	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	328	0.034	0.0
303	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	238	0.025	0.0
304	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	238	0.025	0.0
305	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	238	0.025	0.0
306	Multifamily	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	359	0.046	0.0
307	Multifamily	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	261	0.033	0.0
308	Multifamily	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	261	0.033	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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309	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	New Construction	Showerhead	10	\$17.0	238	0.025	0.0
310	Multi-family	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	New Construction	Showerhead	10	\$17.0	261	0.033	0.0
311	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	New Construction	Showerhead	10	\$17.0	238	0.025	0.0
312	Multi-family	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.5 GPM	2.5 GPM	New Construction	Showerhead	10	\$17.0	261	0.033	0.0
313	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	258	0.027	0.0
314	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	168	0.018	0.0
315	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	168	0.018	0.0
316	Multi-family	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	282	0.036	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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317	Multifamily	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	184	0.023	0.0
318	Multifamily	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	184	0.023	0.0
319	SingleFamily & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	258	0.027	0.0
320	SingleFamily & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	168	0.018	0.0
321	SingleFamily & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	168	0.018	0.0
322	Multifamily	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	282	0.036	0.0
323	Multifamily	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	184	0.023	0.0
324	Multifamily	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	1.75 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	184	0.023	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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325	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	188	0.020	0.0
326	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	98	0.010	0.0
327	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	98	0.010	0.0
328	Multi Family	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	206	0.026	0.0
329	Multi Family	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	107	0.014	0.0
330	Multi Family	Electric DHW w/Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	107	0.014	0.0
331	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	188	0.020	0.0
332	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	98	0.010	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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333	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	98	0.010	0.0
334	Multi-family	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Direct Install	Showerhead	10	\$17.0	206	0.026	0.0
335	Multi-family	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Retrofit	Showerhead	10	\$17.0	107	0.014	0.0
336	Multi-family	Electric DHW w/Non-Electric Heating Rate	Hot Water	Low flow shower head	2 GPM	2.5 GPM	Time of Sale	Showerhead	10	\$12.0	107	0.014	0.0
337	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-16	50 gal No wrap (R-8)	Retrofit	Home	5	\$27.0	225	0.026	0.0
338	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-16	50 gal No wrap (R-8)	Direct Install	Home	5	\$27.0	225	0.026	0.0
339	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-16	50 gal No wrap (R-8)	Retrofit	Home	5	\$27.0	225	0.026	0.0
340	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-16	50 gal No wrap (R-8)	Direct Install	Home	5	\$27.0	225	0.026	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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341	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-18	50 gal No wrap (R-10)	Retrofit	Home	5	\$27.0	157	0.018	0.0
342	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-18	50 gal No wrap (R-8)	Retrofit	Home	5	\$27.0	255	0.029	0.0
343	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-18	50 gal No wrap (R-10)	Direct Install	Home	5	\$27.0	157	0.018	0.0
344	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-18	50 gal No wrap (R-8)	Direct Install	Home	5	\$27.0	255	0.029	0.0
345	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-18	50 gal No wrap (R-10)	Retrofit	Home	5	\$27.0	157	0.018	0.0
346	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-18	50 gal No wrap (R-8)	Retrofit	Home	5	\$27.0	255	0.029	0.0
347	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-18	50 gal No wrap (R-10)	Direct Install	Home	5	\$27.0	157	0.018	0.0
348	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-18	50 gal No wrap (R-8)	Direct Install	Home	5	\$27.0	255	0.029	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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349	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-20	50 gal No wrap (R-12)	Retrofit	Home	5	\$27.0	115	0.013	0.0
350	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-20	50 gal No wrap (R-10)	Retrofit	Home	5	\$27.0	180	0.021	0.0
351	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-20	50 gal No wrap (R-12)	Direct Install	Home	5	\$27.0	115	0.013	0.0
352	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-20	50 gal No wrap (R-10)	Direct Install	Home	5	\$27.0	180	0.021	0.0
353	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-20	50 gal No wrap (R-12)	Retrofit	Home	5	\$27.0	115	0.013	0.0
354	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-20	50 gal No wrap (R-10)	Retrofit	Home	5	\$27.0	180	0.021	0.0
355	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-20	50 gal No wrap (R-12)	Direct Install	Home	5	\$27.0	115	0.013	0.0
356	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-20	50 gal No wrap (R-10)	Direct Install	Home	5	\$27.0	180	0.021	0.0

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357	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-22	50 gal No wrap (R-12)	Retrofit	Home	5	\$27.0	134	0.015	0.0
358	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-22	50 gal No wrap (R-12)	Direct Install	Home	5	\$27.0	134	0.015	0.0
359	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-22	50 gal No wrap (R-12)	Retrofit	Home	5	\$27.0	134	0.015	0.0
360	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Tank Wrap	50 gal: R-22	50 gal No wrap (R-12)	Direct Install	Home	5	\$27.0	134	0.015	0.0
361	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	Retrofit	Home	2	\$5.0	63	0.007	0.0
362	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	New Construction	Home	2	\$5.0	63	0.007	0.0
363	All	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	Time of Sale	Home	2	\$5.0	63	0.007	0.0
364	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	Retrofit	Home	2	\$5.0	94	0.011	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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365	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	New Construction	Home	2	\$5.0	94	0.011	0.0
366	All	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	Time of Sale	Home	2	\$5.0	94	0.011	0.0
367	Single Family & Duplex	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	Direct Install	Home	2	\$5.0	79	0.009	0.0
368	Multi-family	Electric DHW w/Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	Direct Install	Home	2	\$5.0	79	0.009	0.0
369	Single Family & Duplex	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	Direct Install	Home	2	\$5.0	79	0.009	0.0
370	Multi-family	Electric DHW w/Non-Electric Heating Rate	Hot Water	Water Heater Temp Setback	120 degrees	≥ 130 degrees	Direct Install	Home	2	\$5.0	79	0.009	0.0
371	Multi-family	Heat Pump	HVAC	Air Source Heat Pump	SEER 15	Existing air source heat pump	Early Replacement	per ton	18	\$1,518.0	1866	0.199	0.0
372	Single Family & Duplex	Heat Pump	HVAC	Air Source Heat Pump	SEER 15	Existing air source heat pump	Early Replacement	per ton	18	\$1,518.0	1899	0.199	0.0
373	Multi-family	Heat Pump	HVAC	Air Source Heat Pump	SEER 16	Existing air source heat pump	Early Replacement	per ton	18	\$1,655.0	1892	0.217	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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374	Singl eFa mily &Du plex	Heat Pump	HVAC	Air Source Heat Pump	SEER 16	Existing air source heat pump	Early Replacem ent	per ton	18	\$1,655.0	1928	0.217	0.0
375	Mult ifami ly	Heat Pump	HVAC	Air Source Heat Pump	SEER 17	Existing air source heat pump	Early Replacem ent	per ton	18	\$1,792.0	1914	0.232	0.0
376	Singl eFa mily &Du plex	Heat Pump	HVAC	Air Source Heat Pump	SEER 17	Existing air source heat pump	Early Replacem ent	per ton	18	\$1,792.0	1953	0.232	0.0
377	Mult ifami ly	Heat Pump	HVAC	Air Source Heat Pump	SEER 18	Existing air source heat pump	Early Replacem ent	per ton	18	\$1,929.0	1934	0.245	0.0
378	Singl eFa mily &Du plex	Heat Pump	HVAC	Air Source Heat Pump	SEER 18	Existing air source heat pump	Early Replacem ent	per ton	18	\$1,929.0	1975	0.245	0.0
379	Mult ifami ly	Electric Resistan ce Heat/No CAC	HVAC	Air Source Heat Pump	SEER 15	Existing electric resistance no AC/dual baseline = heat pump	Early Replacem ent	per ton	18	\$1,518.0	3617	0.000	0.0
380	Singl eFa mily &Du plex	Electric Resistan ce Heat/No CAC	HVAC	Air Source Heat Pump	SEER 15	Existing electric resistance no AC/dual baseline = heat pump	Early Replacem ent	per ton	18	\$1,518.0	3566	0.000	0.0
381	Mult ifami ly	Electric Resistan ce Heat/No CAC	HVAC	Air Source Heat Pump	SEER 16	Existing electric resistance no AC/dual baseline = heat pump	Early Replacem ent	per ton	18	\$1,655.0	3642	0.000	0.0
382	Singl eFa mily &Du plex	Electric Resistan ce Heat/No CAC	HVAC	Air Source Heat Pump	SEER 16	Existing electric resistance no AC/dual baseline = heat pump	Early Replacem ent	per ton	18	\$1,655.0	3594	0.000	0.0

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383	Multifamily	Electric Resistance Heat/No CAC	HVAC	Air Source Heat Pump	SEER 17	Existing electric resistance no AC/dual baseline = heat pump	Early Replacement	per ton	18	\$1,792.0	3665	0.000	0.0
384	Single Family & Duplex	Electric Resistance Heat/No CAC	HVAC	Air Source Heat Pump	SEER 17	Existing electric resistance no AC/dual baseline = heat pump	Early Replacement	per ton	18	\$1,792.0	3619	0.000	0.0
385	Multifamily	Electric Resistance Heat/No CAC	HVAC	Air Source Heat Pump	SEER 18	Existing electric resistance no AC/dual baseline = heat pump	Early Replacement	per ton	18	\$1,929.0	3684	0.000	0.0
386	Single Family & Duplex	Electric Resistance Heat/No CAC	HVAC	Air Source Heat Pump	SEER 18	Existing electric resistance no AC/dual baseline = heat pump	Early Replacement	per ton	18	\$1,929.0	3642	0.000	0.0
387	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$119.0	54	0.035	0.0
388	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$119.0	48	0.035	0.0
389	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$119.0	54	0.035	0.0
390	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$119.0	48	0.035	0.0
391	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Federal minimum SEER13 equipment	New Construction	per ton	18	\$119.0	54	0.035	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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392	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Federal minimum SEER13 equipment	New Construction	per ton	18	\$119.0	48	0.035	0.0
393	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Federal minimum SEER13 equipment	New Construction	per ton	18	\$119.0	54	0.035	0.0
394	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Federal minimum SEER13 equipment	New Construction	per ton	18	\$119.0	48	0.035	0.0
395	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,001.6	212	0.143	0.0
396	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,001.6	188	0.143	0.0
397	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,001.6	212	0.143	0.0
398	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 14.5	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,001.6	188	0.143	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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399	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$238.0	70	0.045	0.0
400	Multi-family	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$238.0	62	0.045	0.0
401	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$238.0	70	0.045	0.0
402	Multi-family	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$238.0	62	0.045	0.0
403	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Federal minimum SEER13 equipment	New Construction	per ton	18	\$238.0	70	0.045	0.0
404	Multi-family	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Federal minimum SEER13 equipment	New Construction	per ton	18	\$238.0	62	0.045	0.0
405	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Federal minimum SEER13 equipment	New Construction	per ton	18	\$238.0	70	0.045	0.0
406	Multi-family	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Federal minimum SEER13 equipment	New Construction	per ton	18	\$238.0	62	0.045	0.0
407	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,120.6	228	0.153	0.0
408	Multi-family	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Shifting baseline from existing AC	Early Replacement	per ton	18	\$3,120.6	202	0.153	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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						equipment to Federal minimum SEER13 equipment							
409	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,120.6	228	0.153	0.0
410	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 15	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,120.6	202	0.153	0.0
411	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$357.0	99	0.062	0.0
412	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$357.0	88	0.062	0.0
413	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$357.0	99	0.062	0.0
414	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$357.0	88	0.062	0.0
415	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Federal minimum SEER13 equipment	New Construction	per ton	18	\$357.0	99	0.062	0.0
416	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Federal minimum SEER13 equipment	New Construction	per ton	18	\$357.0	88	0.062	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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417	Singl eFam ily &Du plex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Federal minimum SEER13 equipment	New Constructi on	per ton	18	\$357.0	99	0.062	0.0
418	Mult ifami ly	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Federal minimum SEER13 equipment	New Constructi on	per ton	18	\$357.0	88	0.062	0.0
419	Singl eFam ily &Du plex	AC/Elect ric Resistan ce Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacem ent	per ton	18	\$3,239.6	257	0.171	0.0
420	Mult ifami ly	AC/Elect ric Resistan ce Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacem ent	per ton	18	\$3,239.6	228	0.171	0.0
421	Singl eFam ily &Du plex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacem ent	per ton	18	\$3,239.6	257	0.171	0.0
422	Mult ifami ly	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 16	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacem ent	per ton	18	\$3,239.6	228	0.171	0.0
423	Singl eFam ily &Du plex	AC/Elect ric Resistan ce Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$476.0	124	0.078	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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424	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$476.0	110	0.078	0.0
425	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$476.0	124	0.078	0.0
426	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$476.0	110	0.078	0.0
427	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Federal minimum SEER13 equipment	New Construction	per ton	18	\$476.0	124	0.078	0.0
428	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Federal minimum SEER13 equipment	New Construction	per ton	18	\$476.0	110	0.078	0.0
429	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Federal minimum SEER13 equipment	New Construction	per ton	18	\$476.0	124	0.078	0.0
430	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Federal minimum SEER13 equipment	New Construction	per ton	18	\$476.0	110	0.078	0.0
431	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,358.6	282	0.186	0.0
432	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,358.6	250	0.186	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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433	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,358.6	282	0.186	0.0
434	Multi-family	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 17	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,358.6	250	0.186	0.0
435	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$596.0	146	0.091	0.0
436	Multi-family	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$596.0	130	0.091	0.0
437	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$596.0	146	0.091	0.0
438	Multi-family	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$596.0	130	0.091	0.0
439	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Federal minimum SEER13 equipment	New Construction	per ton	18	\$596.0	146	0.091	0.0
440	Multi-family	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Federal minimum SEER13 equipment	New Construction	per ton	18	\$596.0	130	0.091	0.0
441	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Federal minimum SEER13 equipment	New Construction	per ton	18	\$596.0	146	0.091	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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442	Multi-family	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Federal minimum SEER13 equipment	New Construction	per ton	18	\$596.0	130	0.091	0.0
443	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,478.6	304	0.199	0.0
444	Multi-family	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	270	0.199	0.0
445	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	304	0.199	0.0
446	Multi-family	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 18	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	270	0.199	0.0
447	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$715.0	166	0.102	0.0
448	Multi-family	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$715.0	147	0.102	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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449	Singl eFa mily &Du plex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$715.0	166	0.102	0.0
450	Mult ifami ly	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$715.0	147	0.102	0.0
451	Singl eFa mily &Du plex	AC/Elect ric Resistan ce Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Federal minimum SEER13 equipment	New Constructi on	per ton	18	\$715.0	166	0.102	0.0
452	Mult ifami ly	AC/Elect ric Resistan ce Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Federal minimum SEER13 equipment	New Constructi on	per ton	18	\$715.0	147	0.102	0.0
453	Singl eFa mily &Du plex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Federal minimum SEER13 equipment	New Constructi on	per ton	18	\$715.0	166	0.102	0.0
454	Mult ifami ly	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Federal minimum SEER13 equipment	New Constructi on	per ton	18	\$715.0	147	0.102	0.0
455	Singl eFa mily &Du plex	AC/Elect ric Resistan ce Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacem ent	per ton	18	\$3,431.0	324	0.210	0.0
456	Mult ifami ly	AC/Elect ric Resistan ce Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacem ent	per ton	18	\$3,431.0	288	0.210	0.0
457	Singl eFa mily &Du plex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Shifting baseline from existing AC equipment	Early Replacem ent	per ton	18	\$3,431.0	324	0.210	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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						to Federal minimum SEER13 equipment							
458	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 19	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	288	0.210	0.0
459	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$834.0	184	0.111	0.0
460	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$834.0	163	0.111	0.0
461	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$834.0	184	0.111	0.0
462	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$834.0	163	0.111	0.0
463	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Federal minimum SEER13 equipment	New Construction	per ton	18	\$834.0	184	0.111	0.0
464	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Federal minimum SEER13 equipment	New Construction	per ton	18	\$834.0	163	0.111	0.0
465	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Federal minimum SEER13 equipment	New Construction	per ton	18	\$834.0	184	0.111	0.0
466	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Federal minimum SEER13 equipment	New Construction	per ton	18	\$834.0	163	0.111	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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467	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	342	0.219	0.0
468	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	304	0.219	0.0
469	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	342	0.219	0.0
470	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 20	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	304	0.219	0.0
471	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$908.0	200	0.119	0.0
472	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$908.0	178	0.119	0.0
473	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$908.0	200	0.119	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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474	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Federal minimum SEER13 equipment	Time of Sale	per ton	18	\$908.0	178	0.119	0.0
475	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Federal minimum SEER13 equipment	New Construction	per ton	18	\$908.0	200	0.119	0.0
476	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Federal minimum SEER13 equipment	New Construction	per ton	18	\$908.0	178	0.119	0.0
477	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Federal minimum SEER13 equipment	New Construction	per ton	18	\$908.0	200	0.119	0.0
478	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Federal minimum SEER13 equipment	New Construction	per ton	18	\$908.0	178	0.119	0.0
479	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	358	0.227	0.0
480	Multifamily	AC/Electric Resistance Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	318	0.227	0.0
481	Single Family & Duplex	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	358	0.227	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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482	Multifamily	AC/Gas Heat	HVAC	Central Air Conditioning > 14.5 SEER	SEER 21	Shifting baseline from existing AC equipment to Federal minimum SEER13 equipment	Early Replacement	per ton	18	\$3,431.0	318	0.227	0.0
483	Single Family & Duplex	AC/Gas Heat	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$415.0	466	0.262	159.1
484	Single Family & Duplex	Gas Heat (No AC)	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$415.0	146	0.000	159.1
485	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$415.0	3771	0.262	0.0
486	Single Family & Duplex	Electric Resistance Heat/No CAC	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$415.0	3451	0.000	0.0
487	Single Family & Duplex	Heat Pump	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts	50% or more ducts inside envelope Significant leaks Ducts	Retrofit	per home	20	\$415.0	1950	0.262	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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					outside envelope are insulated to R8	outside envelope are insulated to R4 to R7							
488	Single Family & Duplex	AC/Gas Heat	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$204.3	260	0.143	92.0
489	Single Family & Duplex	Gas Heat (No AC)	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$204.3	85	0.000	92.0
490	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$204.3	2332	0.143	0.0
491	Single Family & Duplex	Electric Resistance Heat/No CAC	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$204.3	2157	0.000	0.0
492	Single Family & Duplex	Heat Pump	HVAC	Duct Insulation and Sealing	50% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	50% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$204.3	1115	0.133	0.0

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493	Multifamily	AC/Gas Heat	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$126.0	135	0.085	45.7
494	Multifamily	Gas Heat (No AC)	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$126.0	42	0.000	45.7
495	Multifamily	AC/Electric Resistance Heat	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$126.0	1216	0.085	0.0
496	Multifamily	Electric Resistance Heat/No CAC	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$126.0	1124	0.000	0.0
497	Multifamily	Heat Pump	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	Retrofit	per home	20	\$126.0	623	0.085	0.0
498	Multifamily	AC/Gas Heat	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts	90% or more ducts inside envelope Significant leaks Ducts	New Construction	per home	20	\$131.5	55	0.034	19.4

*Residential applicability factors were developed only for measures included in the potential analyses.

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					outside envelope are insulated to R8	outside envelope are insulated to R4 to R7							
499	Multifamily	Gas Heat (No AC)	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$131.5	18	0.000	19.4
500	Multifamily	AC/Electric Resistance Heat	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$131.5	548	0.034	0.0
501	Multifamily	Electric Resistance Heat/No CAC	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$131.5	511	0.000	0.0
502	Multifamily	Heat Pump	HVAC	Duct Insulation and Sealing	90% or more ducts inside envelope Connections sealed with mastic Ducts outside envelope are insulated to R8	90% or more ducts inside envelope Significant leaks Ducts outside envelope are insulated to R4 to R7	New Construction	per home	20	\$131.5	260	0.032	0.0
503	All	AC/Gas Heat	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	Time of Sale	per home	20	\$97.0	732	0.215	0.0
504	All	AC/Gas Heat	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	New Construction	per home	20	\$97.0	732	0.215	0.0

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505	All	AC/Electric Resistance Heat	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	Time of Sale	per home	20	\$97.0	732	0.215	0.0
506	All	AC/Electric Resistance Heat	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	New Construction	per home	20	\$97.0	732	0.215	0.0
507	All	Electric Resistance Heat/No CAC	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	Time of Sale	per home	20	\$97.0	644	0.143	0.0
508	All	Electric Resistance Heat/No CAC	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	New Construction	per home	20	\$97.0	644	0.143	0.0
509	All	Heat Pump	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	Time of Sale	per home	20	\$97.0	732	0.215	0.0
510	All	Heat Pump	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	New Construction	per home	20	\$97.0	732	0.215	0.0
511	All	Gas Heat (No AC)	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	Time of Sale	per home	20	\$97.0	644	0.143	0.0
512	All	Gas Heat (No AC)	HVAC	Furnace Blower Motor	Brushless permanent magnet (BPM) blower motor	non-BPM blower motor	New Construction	per home	20	\$97.0	644	0.143	0.0
513	Multi-family	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	SEER 14, HSPF 8.2, 11.8 EER ASHP	Time of Sale	per ton	25	\$2,021.0	1047	0.097	0.0
514	Single Family & Duplex	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	SEER 14, HSPF 8.2, 11.8 EER ASHP	Time of Sale	per ton	25	\$2,021.0	1066	0.097	0.0
515	Multi-family	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	SEER 14, HSPF 8.2, 11.8 EER ASHP	New Construction	per ton	25	\$2,021.0	981	0.090	0.0

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516	Single Family & Duplex	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	SEER 14, HSPF 8.2, 11.8 EER ASHP	New Construction	per ton	25	\$2,021.0	999	0.090	0.0
517	Multi-family	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	Federal standard central AC, electric resistance heating	Time of Sale	per ton	25	\$1,100.0	4773	0.077	0.0
518	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	Federal standard central AC, electric resistance heating	Time of Sale	per ton	25	\$1,100.0	4785	0.077	0.0
519	Multi-family	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	Federal standard central AC, electric resistance heating	New Construction	per ton	25	\$1,100.0	4797	0.124	0.0
520	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	Federal standard central AC, electric resistance heating	New Construction	per ton	25	\$1,100.0	4819	0.124	0.0
521	Multi-family	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	Existing air source heat pump	Early Replacement	per ton	25	\$3,957.0	2580	0.270	0.0
522	Single Family & Duplex	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	Existing air source heat pump	Early Replacement	per ton	25	\$3,957.0	2626	0.270	0.0
523	Multi-family	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	Existing AC, electric heating	Early Replacement	per ton	25	\$3,957.0	5036	0.302	0.0
524	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR DGX	Existing AC, electric heating	Early Replacement	per ton	25	\$3,957.0	5088	0.302	0.0

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525	Multifamily	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR Water to air - Closed Loop	SEER 14, HSPF 8.2, 11.8 EER ASHP	Time of Sale	per ton	25	\$2,021.0	957	0.042	0.0
526	Single Family & Duplex	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR Water to air - Closed Loop	SEER 14, HSPF 8.2, 11.8 EER ASHP	Time of Sale	per ton	25	\$2,021.0	965	0.042	0.0
527	Multifamily	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR Water to air - Closed Loop	SEER 14, HSPF 8.2, 11.8 EER ASHP	New Construction	per ton	25	\$2,021.0	1047	0.097	0.0
528	Single Family & Duplex	Heat Pump	HVAC	Ground Source Heat Pump	ENERGY STAR Water to air - Closed Loop	SEER 14, HSPF 8.2, 11.8 EER ASHP	New Construction	per ton	25	\$2,021.0	1066	0.097	0.0
529	Multifamily	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR Water to air - Closed Loop	Federal standard central AC, electric resistance heating	Time of Sale	per ton	25	\$1,100.0	4796	0.093	0.0
530	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR Water to air - Closed Loop	Federal standard central AC, electric resistance heating	Time of Sale	per ton	25	\$1,100.0	4811	0.093	0.0
531	Multifamily	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR Water to air - Closed Loop	Federal standard central AC, electric resistance heating	New Construction	per ton	25	\$1,100.0	4773	0.077	0.0
532	Single Family & Duplex	AC/Electric Resistance Heat	HVAC	Ground Source Heat Pump	ENERGY STAR Water to air - Closed Loop	Federal standard central AC, electric resistance heating	New Construction	per ton	25	\$1,100.0	4785	0.077	0.0
533	All	Electric Heating	HVAC	High Efficiency Bathroom Exhaust Fan	Continuous operation - 8.3 CFM/watt exhaust-only ventilation fan	3.1 CFM/watt exhaust-only ventilation fan	Time of Sale	per bathroom fan	19	\$43.5	89	0.010	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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534	Single Family & Duplex	Electric Heating	HVAC	High Efficiency Bathroom Exhaust Fan	Continuous operation - 8.3 CFM/watt exhaust-only ventilation fan	3.1 CFM/watt exhaust-only ventilation fan	Retrofit	per bathroom fan	19	\$43.5	89	0.010	0.0
535	Multi-family	Electric Heating	HVAC	High Efficiency Bathroom Exhaust Fan	Continuous operation - 8.3 CFM/watt exhaust-only ventilation fan	3.1 CFM/watt exhaust-only ventilation fan	Retrofit	per bathroom fan	19	\$43.5	89	0.010	0.0
536	All	Electric Heating	HVAC	High Efficiency Bathroom Exhaust Fan	Continuous operation - 8.3 CFM/watt exhaust-only ventilation fan	3.1 CFM/watt exhaust-only ventilation fan	New Construction	per bathroom fan	19	\$43.5	89	0.010	0.0
537	All	Gas Heating	HVAC	High Efficiency Bathroom Exhaust Fan	Continuous operation - 8.3 CFM/watt exhaust-only ventilation fan	3.1 CFM/watt exhaust-only ventilation fan	Time of Sale	per bathroom fan	19	\$43.5	89	0.010	0.0
538	Single Family & Duplex	Gas Heating	HVAC	High Efficiency Bathroom Exhaust Fan	Continuous operation - 8.3 CFM/watt exhaust-only ventilation fan	3.1 CFM/watt exhaust-only ventilation fan	Retrofit	per bathroom fan	19	\$43.5	89	0.010	0.0
539	Multi-family	Gas Heating	HVAC	High Efficiency Bathroom Exhaust Fan	Continuous operation - 8.3 CFM/watt exhaust-only ventilation fan	3.1 CFM/watt exhaust-only ventilation fan	Retrofit	per bathroom fan	19	\$43.5	89	0.010	0.0
540	All	Gas Heating	HVAC	High Efficiency Bathroom Exhaust Fan	Continuous operation - 8.3 CFM/watt exhaust-only ventilation fan	3.1 CFM/watt exhaust-only ventilation fan	New Construction	per bathroom fan	19	\$43.5	89	0.010	0.0
541	Single Family & Duplex	Electric Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$30.0	721	0.000	0.0
542	Multi-family	Electric Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$30.0	469	0.000	0.0
543	Single Family & Duplex	Electric Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$30.0	721	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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544	Multifamily	Electric Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$30.0	469	0.000	0.0
545	Single Family & Duplex	Gas Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$30.0	32	0.000	34.9
546	Multifamily	Gas Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$30.0	21	0.000	22.7
547	Single Family & Duplex	Gas Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$30.0	32	0.000	34.9
548	Multifamily	Gas Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$30.0	21	0.000	22.7
549	Single Family & Duplex	Electric Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	Time of Sale	per unit	5	\$30.0	721	0.000	0.0
550	Multifamily	Electric Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	Time of Sale	per unit	5	\$30.0	469	0.000	0.0
551	Single Family & Duplex	Electric Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	Direct Install	per unit	5	\$30.0	1288	0.000	0.0
552	Multifamily	Electric Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	Direct Install	per unit	5	\$30.0	837	0.000	0.0
553	Single Family & Duplex	Heat Pump	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$30.0	424	0.000	0.0
554	Multifamily	Heat Pump	HVAC	Programmable Thermostats	Programmable Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$30.0	276	0.000	0.0

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555	Singl eFa mily &Du plex	Heat Pump	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Retrofit	per unit	5	\$30.0	424	0.000	0.0
556	Mult ifami ly	Heat Pump	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Retrofit	per unit	5	\$30.0	276	0.000	0.0
557	Singl eFa mily &Du plex	Gas Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Direct Install	per unit	5	\$30.0	57	0.000	34.9
558	Mult ifami ly	Gas Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Direct Install	per unit	5	\$30.0	37	0.000	22.7
559	Singl eFa mily &Du plex	Gas Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Time of Sale	per unit	5	\$30.0	32	0.000	34.9
560	Mult ifami ly	Gas Heating	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Time of Sale	per unit	5	\$30.0	21	0.000	22.7
561	Singl eFa mily &Du plex	Heat Pump	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Direct Install	per unit	5	\$30.0	758	0.000	0.0
562	Mult ifami ly	Heat Pump	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Direct Install	per unit	5	\$30.0	492	0.000	0.0
563	Singl eFa mily &Du plex	Heat Pump	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Time of Sale	per unit	5	\$30.0	424	0.000	0.0
564	Mult ifami ly	Heat Pump	HVAC	Programmable Thermostats	Programmable Thermostats	Non- Programmab le Thermostat	Time of Sale	per unit	5	\$30.0	276	0.000	0.0
565	Singl eFa mily	Electric Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non- Programmab le Thermostat	Retrofit	per unit	5	\$225.0	1506	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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566	Multifamily	Electric Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$225.0	979	0.000	0.0
567	Single Family &Duple	Electric Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$225.0	1506	0.000	0.0
568	Multifamily	Electric Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$225.0	979	0.000	0.0
569	Single Family &Duple	Gas Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$225.0	67	0.000	72.9
570	Multifamily	Gas Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$225.0	44	0.000	47.4
571	Single Family &Duple	Gas Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$225.0	67	0.000	72.9
572	Multifamily	Gas Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$225.0	44	0.000	47.4
573	Single Family &Duple	Electric Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Time of Sale	per unit	5	\$225.0	1506	0.000	0.0
574	Multifamily	Electric Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Time of Sale	per unit	5	\$225.0	979	0.000	0.0
575	Single Family &Duple	Electric Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Direct Install	per unit	5	\$225.0	2690	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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576	Multifamily	Electric Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Direct Install	per unit	5	\$225.0	1748	0.000	0.0
577	Single Family & Duplex	Heat Pump	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$225.0	1506	0.000	0.0
578	Multifamily	Heat Pump	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	New Construction	per unit	5	\$225.0	979	0.000	0.0
579	Single Family & Duplex	Heat Pump	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$225.0	67	0.000	72.9
580	Multifamily	Heat Pump	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Retrofit	per unit	5	\$225.0	44	0.000	47.4
581	Single Family & Duplex	Gas Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Direct Install	per unit	5	\$225.0	120	0.000	130.1
582	Multifamily	Gas Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Direct Install	per unit	5	\$225.0	44	0.000	47.4
583	Single Family & Duplex	Gas Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Time of Sale	per unit	5	\$225.0	67	0.000	72.9
584	Multifamily	Gas Heating	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Time of Sale	per unit	5	\$225.0	44	0.000	47.4
585	Single Family & Duplex	Heat Pump	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Direct Install	per unit	5	\$225.0	1582	0.000	0.0
586	Multifamily	Heat Pump	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non-Programmable Thermostat	Direct Install	per unit	5	\$225.0	1028	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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587	Singl eFa mily &Du plex	Heat Pump	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non- Programmab le Thermostat	Time of Sale	per unit	5	\$225.0	886	0.000	0.0
588	Mult ifami ly	Heat Pump	HVAC	Smart Wifi Thermostats	Smart Wifi Thermostats	Non- Programmab le Thermostat	Time of Sale	per unit	5	\$225.0	576	0.000	0.0
589	Singl eFa mily &Du plex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	17	0.002	0.0
590	Singl eFa mily &Du plex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	14	0.002	0.0
591	Mult ifami ly	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	17	0.002	0.0
592	Mult ifami ly	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	13	0.002	0.0
593	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	18	0.002	0.0
594	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	14	0.002	0.0
595	All	Gas Heating	Lighting	Efficient light bulbs	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	18	0.002	0.0
596	All	Electric Heating	Lighting	Efficient light bulbs	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	14	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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597	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps - OM	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	18	0.002	0.0
598	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps - OM	12.32 W LED installed in year 2020 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	14	0.002	0.0
599	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2021 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	17	0.002	0.0
600	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2021 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	14	0.002	0.0
601	Multi Family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2021 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	17	0.002	0.0
602	Multi Family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2021 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	13	0.002	0.0
603	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2021 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.1	18	0.002	0.0
604	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2021 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.1	14	0.002	0.0
605	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2022 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	17	0.002	0.0
606	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2022 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	14	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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607	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2022 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	17	0.002	0.0
608	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2022 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	13	0.002	0.0
609	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2022 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.4	18	0.002	0.0
610	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2022 representing bulbs less than 1050 lumens	15W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.4	14	0.002	0.0
611	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2020	28.2W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	26	0.003	0.0
612	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2020	28.2W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	20	0.003	0.0
613	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2020	28.2W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	26	0.003	0.0
614	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2020	28.2W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	20	0.003	0.0
615	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2020	28.2W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	26	0.003	0.0
616	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2020	28.2W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	21	0.003	0.0

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617	Singl eFa mily &Du plex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2021	28.2W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	26	0.003	0.0
618	Singl eFa mily &Du plex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2021	28.2W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	20	0.003	0.0
619	Mult ifami ly	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2021	28.2W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	26	0.003	0.0
620	Mult ifami ly	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2021	28.2W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	20	0.003	0.0
621	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2021	28.2W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.1	26	0.003	0.0
622	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2021	28.2W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.1	21	0.003	0.0
623	Singl eFa mily &Du plex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2022	28.2W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	26	0.003	0.0
624	Singl eFa mily &Du plex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2022	28.2W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	20	0.003	0.0
625	Mult ifami ly	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2022	28.2W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	26	0.003	0.0
626	Mult ifami ly	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2022	28.2W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	20	0.003	0.0
627	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2022	28.2W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.4	26	0.003	0.0

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628	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2022	28.2W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.4	21	0.003	0.0
631	Multifamily	Gas Heating	Lighting	High Performance and Reduced Wattage T8 Fixtures and Lamps	High Performance T8/T5, Reduced Wattage T8/T5, and T8/T5 Fixtures and Lamps	2-Lamp 32W HPT8 with Low-BF Ballast	Time of Sale	per lamp	4	\$31.0	62	0.003	0.0
632	Multifamily	Electric Heating	Lighting	High Performance and Reduced Wattage T8 Fixtures and Lamps	High Performance T8/T5, Reduced Wattage T8/T5, and T8/T5 Fixtures and Lamps	2-Lamp 32W HPT8 with Low-BF Ballast	Time of Sale	per lamp	4	\$31.0	54	0.003	0.0
633	All	Gas Heating	Lighting	LED Downlights	14 W LED	35W Incandescent /Halogen MR16/PAR1 6 pin-based lamps	Time of Sale	per lamp	2	-\$10.5	32	0.004	0.0
634	All	Gas Heating	Lighting	LED Downlights	14 W LED	35W Incandescent /Halogen MR16/PAR1 6 pin-based lamps	New Construction	per lamp	2	-\$10.5	32	0.004	0.0
635	All	Electric Heating	Lighting	LED Downlights	14 W LED	35W Incandescent /Halogen MR16/PAR1 6 pin-based lamps	Time of Sale	per lamp	2	-\$10.5	25	0.004	0.0
636	All	Electric Heating	Lighting	LED Downlights	14 W LED	35W Incandescent /Halogen MR16/PAR1 6 pin-based lamps	New Construction	per lamp	2	-\$10.5	25	0.004	0.0
637	Single Family & Duplex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$3.6	23	0.002	0.0
638	Single Family & Duplex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$3.6	18	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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639	Multifamily	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$3.6	23	0.002	0.0
640	Multifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$3.6	18	0.002	0.0
641	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	-\$1.4	25	0.003	0.0
642	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	-\$1.4	20	0.003	0.0
643	Single Family & Duplex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$4.5	23	0.002	0.0
644	Single Family & Duplex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$4.5	18	0.002	0.0
645	Multifamily	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$4.5	23	0.002	0.0
646	Multifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$4.5	18	0.002	0.0
647	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	-\$0.5	25	0.003	0.0
648	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	-\$0.5	20	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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649	Singl eFa mily &Du plex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$5.3	23	0.002	0.0
650	Singl eFa mily &Du plex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$5.3	18	0.002	0.0
651	Mult ifami ly	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$5.3	23	0.002	0.0
652	Mult ifami ly	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$5.3	18	0.002	0.0
653	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	\$0.3	25	0.003	0.0
654	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	\$0.3	20	0.003	0.0
655	Singl eFa mily &Du plex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$6.0	23	0.002	0.0
656	Singl eFa mily &Du plex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$6.0	18	0.002	0.0
657	Mult ifami ly	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$6.0	23	0.002	0.0
658	Mult ifami ly	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$6.0	18	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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659	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	\$1.0	25	0.003	0.0
660	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	\$1.0	20	0.003	0.0
661	Single Family & Duplex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$6.5	23	0.002	0.0
662	Single Family & Duplex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$6.5	18	0.002	0.0
663	Multi Family	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$6.5	23	0.002	0.0
664	Multi Family	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Direct Install	per lamp	1	\$6.5	18	0.002	0.0
665	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	\$1.5	25	0.003	0.0
666	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	Time of Sale	per lamp	1	\$1.5	20	0.003	0.0
667	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp	New Construction	per lamp	20	\$20.6	69	0.000	0.0
668	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent	13.9 W CFL installed in year 2016 representing bulbs	42.4W EISA compliant lamp -	Time of Sale	per lamp	20	\$20.6	69	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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				Lamp (CFL) Fixture	less than 1050 lumens	Exterior Hardwired							
669	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Constructi on	per lamp	20	\$20.6	69	0.000	0.0
670	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$20.6	69	0.000	0.0
671	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Constructi on	per lamp	20	\$24.4	69	0.000	0.0
672	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$24.4	69	0.000	0.0
673	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Constructi on	per lamp	20	\$24.4	69	0.000	0.0
674	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$24.4	69	0.000	0.0
675	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Constructi on	per lamp	20	\$27.6	69	0.000	0.0
676	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent	13.9 W CFL installed in year 2018 representing bulbs	42.4W EISA compliant lamp -	Time of Sale	per lamp	20	\$27.6	69	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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				Lamp (CFL) Fixture	less than 1050 lumens	Exterior Hardwired							
677	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Constructi on	per lamp	20	\$27.6	69	0.000	0.0
678	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$27.6	69	0.000	0.0
679	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Constructi on	per lamp	20	\$30.2	69	0.000	0.0
680	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.2	69	0.000	0.0
681	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Constructi on	per lamp	20	\$30.2	69	0.000	0.0
682	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.2	69	0.000	0.0
683	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Constructi on	per lamp	20	\$30.6	69	0.000	0.0
684	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.6	69	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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685	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.6	69	0.000	0.0
686	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.6	69	0.000	0.0
687	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.3	45	0.004	0.0
688	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.3	45	0.004	0.0
689	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.3	35	0.004	0.0
690	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2016 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.3	35	0.004	0.0
691	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.9	45	0.004	0.0
692	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.9	45	0.004	0.0
693	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.9	35	0.004	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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694	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2017 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.9	35	0.004	0.0
695	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.4	45	0.004	0.0
696	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.4	45	0.004	0.0
697	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.4	35	0.004	0.0
698	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2018 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.4	35	0.004	0.0
699	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.8	45	0.004	0.0
700	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.8	45	0.004	0.0
701	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.8	35	0.004	0.0
702	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2019 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.8	35	0.004	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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703	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.9	45	0.004	0.0
704	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.9	45	0.004	0.0
705	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.9	35	0.004	0.0
706	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	13.9 W CFL installed in year 2020 representing bulbs less than 1050 lumens	42.4W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.9	35	0.004	0.0
707	Multifamily	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	MF Common Area Default Value W CFL installed in year representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	2	\$3.1	158	0.010	0.0
708	Multifamily	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	MF Common Area Default Value W CFL installed in year representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	2	\$3.1	158	0.010	0.0
709	Multifamily	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	MF Common Area Default Value W CFL installed in year representing bulbs less than 1050 lumens	43W EISA compliant lamp	Retrofit	per lamp	2	\$3.1	158	0.010	0.0
710	Multifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	MF Common Area Default Value W CFL installed in year representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	2	\$3.1	136	0.010	0.0
711	Multifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	MF Common Area Default Value W CFL installed in year representing bulbs	43W EISA compliant lamp	New Construction	per lamp	2	\$3.1	136	0.010	0.0

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					less than 1050 lumens								
712	Multifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	MF Common Area Default Value W CFL installed in year representing bulbs less than 1050 lumens	43W EISA compliant lamp	Retrofit	per lamp	2	\$3.1	136	0.010	0.0
713	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2016 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$30.3	46	0.004	0.0
714	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2016 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$30.3	46	0.004	0.0
715	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2016 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$30.3	36	0.004	0.0
716	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2016 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$30.3	36	0.004	0.0
717	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2017 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$30.9	46	0.004	0.0
718	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2017 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$30.9	46	0.004	0.0
719	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2017 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$30.9	36	0.004	0.0

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720	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2017 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$30.9	36	0.004	0.0
721	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2018 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$31.4	46	0.004	0.0
722	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2018 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$31.4	46	0.004	0.0
723	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2018 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$31.4	36	0.004	0.0
724	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2018 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$31.4	36	0.004	0.0
725	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2019 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$31.8	46	0.004	0.0
726	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2019 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$31.8	46	0.004	0.0
727	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2019 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$31.8	36	0.004	0.0
728	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2019 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$31.8	36	0.004	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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729	All	Gas Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2020 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$31.9	46	0.004	0.0
730	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2020 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$31.9	46	0.004	0.0
731	All	Electric Heating	Lighting	Interior Hardwired Lighting Fixtures	14 W CFL installed in year 2020 representing bulbs less than 1050 lumens	43W EISA compliant lamp	New Construction	per lamp	20	\$31.9	36	0.004	0.0
732	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	14 W CFL installed in year 2020 representing bulbs less than 1050 lumens	43W EISA compliant lamp	Time of Sale	per lamp	20	\$31.9	36	0.004	0.0
733	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2020	45.4W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	30	0.003	0.0
734	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2020	45.4W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	24	0.003	0.0
735	Multifamily	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2020	45.4W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	30	0.003	0.0
736	Multifamily	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2020	45.4W Post-2020 EISA compliant lamp	Direct Install	per lamp	1	\$0.9	23	0.003	0.0
737	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2020	45.4W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	31	0.003	0.0
738	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2020	45.4W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$0.9	24	0.003	0.0

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739	Singl eFa mily &Du plex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2021	45.4W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	30	0.003	0.0
740	Singl eFa mily &Du plex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2021	45.4W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	24	0.003	0.0
741	Mult ifami ly	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2021	45.4W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	30	0.003	0.0
742	Mult ifami ly	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2021	45.4W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.1	23	0.003	0.0
743	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2021	45.4W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.1	31	0.003	0.0
744	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2021	45.4W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.1	24	0.003	0.0
745	Singl eFa mily &Du plex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2022	45.4W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	30	0.003	0.0
746	Singl eFa mily &Du plex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2022	45.4W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	24	0.003	0.0
747	Mult ifami ly	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2022	45.4W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	30	0.003	0.0
748	Mult ifami ly	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2022	45.4W Post- 2020 EISA compliant lamp	Direct Install	per lamp	1	\$1.4	23	0.003	0.0
749	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2022	45.4W Post- 2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.4	31	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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750	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2022	45.4W Post-2020 EISA compliant lamp	Time of Sale	per lamp	1	\$1.4	24	0.003	0.0
751	All	Gas Heating	Lighting	LED Downlights	13 W LED	45W Incandescent /Halogen Tracklight	Time of Sale	per lamp	2	-\$8.4	28	0.003	0.0
752	All	Gas Heating	Lighting	LED Downlights	13 W LED	45W Incandescent /Halogen Tracklight	New Construction	per lamp	2	-\$8.4	28	0.003	0.0
753	All	Electric Heating	Lighting	LED Downlights	13 W LED	45W Incandescent /Halogen Tracklight	Time of Sale	per lamp	2	-\$8.4	22	0.003	0.0
754	All	Electric Heating	Lighting	LED Downlights	13 W LED	45W Incandescent /Halogen Tracklight	New Construction	per lamp	2	-\$8.4	22	0.003	0.0
755	All	Gas Heating	Lighting	LED Downlights	14 W LED	50W Incandescent /Halogen Recessed Downlight	Time of Sale	per lamp	2	\$0.1	34	0.004	0.0
756	All	Gas Heating	Lighting	LED Downlights - OM	14 W LED	50W Incandescent /Halogen Recessed Downlight	Time of Sale	per lamp	2	\$0.1	34	0.004	0.0
757	All	Gas Heating	Lighting	LED Downlights	14 W LED	50W Incandescent /Halogen Recessed Downlight	New Construction	per lamp	2	\$0.1	34	0.004	0.0
758	All	Electric Heating	Lighting	LED Downlights	14 W LED	50W Incandescent /Halogen Recessed Downlight	Time of Sale	per lamp	2	\$0.1	27	0.004	0.0
759	All	Electric Heating	Lighting	LED Downlights - OM	14 W LED	50W Incandescent /Halogen Recessed Downlight	Time of Sale	per lamp	2	\$0.1	27	0.004	0.0
760	All	Electric Heating	Lighting	LED Downlights	14 W LED	50W Incandescent /Halogen	New Construction	per lamp	2	\$0.1	27	0.004	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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						Recessed Downlight							
761	Singl eFa mily &Du plex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2016	53W EISA compliant lamp	Direct Install	per lamp	1	\$4.6	27	0.003	0.0
762	Singl eFa mily &Du plex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2016	53W EISA compliant lamp	Direct Install	per lamp	1	\$4.6	21	0.003	0.0
763	Mult ifami ly	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2016	53W EISA compliant lamp	Direct Install	per lamp	1	\$4.6	26	0.003	0.0
764	Mult ifami ly	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2016	53W EISA compliant lamp	Direct Install	per lamp	1	\$4.6	20	0.003	0.0
765	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2016	53W EISA compliant lamp	Time of Sale	per lamp	1	-\$1.2	29	0.003	0.0
766	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2016	53W EISA compliant lamp	Time of Sale	per lamp	1	-\$1.2	23	0.003	0.0
767	Singl eFa mily &Du plex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2017	53W EISA compliant lamp	Direct Install	per lamp	1	\$5.5	27	0.003	0.0
768	Singl eFa mily &Du plex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2017	53W EISA compliant lamp	Direct Install	per lamp	1	\$5.5	21	0.003	0.0
769	Mult ifami ly	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2017	53W EISA compliant lamp	Direct Install	per lamp	1	\$5.5	26	0.003	0.0
770	Mult ifami ly	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2017	53W EISA compliant lamp	Direct Install	per lamp	1	\$5.5	20	0.003	0.0

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771	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2017	53W EISA compliant lamp	Time of Sale	per lamp	1	-\$0.3	29	0.003	0.0
772	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2017	53W EISA compliant lamp	Time of Sale	per lamp	1	-\$0.3	23	0.003	0.0
773	Single Family & Duplex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2018	53W EISA compliant lamp	Direct Install	per lamp	1	\$6.3	27	0.003	0.0
774	Single Family & Duplex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2018	53W EISA compliant lamp	Direct Install	per lamp	1	\$6.3	21	0.003	0.0
775	Multi-family	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2018	53W EISA compliant lamp	Direct Install	per lamp	1	\$6.3	26	0.003	0.0
776	Multi-family	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2018	53W EISA compliant lamp	Direct Install	per lamp	1	\$6.3	20	0.003	0.0
777	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2018	53W EISA compliant lamp	Time of Sale	per lamp	1	\$0.5	29	0.003	0.0
778	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2018	53W EISA compliant lamp	Time of Sale	per lamp	1	\$0.5	23	0.003	0.0
779	Single Family & Duplex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2019	53W EISA compliant lamp	Direct Install	per lamp	1	\$7.0	27	0.003	0.0
780	Single Family & Duplex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2019	53W EISA compliant lamp	Direct Install	per lamp	1	\$7.0	21	0.003	0.0
781	Multi-family	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2019	53W EISA compliant lamp	Direct Install	per lamp	1	\$7.0	26	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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782	Multifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2019	53W EISA compliant lamp	Direct Install	per lamp	1	\$7.0	20	0.003	0.0
783	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2019	53W EISA compliant lamp	Time of Sale	per lamp	1	\$1.2	29	0.003	0.0
784	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2019	53W EISA compliant lamp	Time of Sale	per lamp	1	\$1.2	23	0.003	0.0
785	SingleFamily & Duplex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2020	53W EISA compliant lamp	Direct Install	per lamp	1	\$7.5	27	0.003	0.0
786	SingleFamily & Duplex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2020	53W EISA compliant lamp	Direct Install	per lamp	1	\$7.5	21	0.003	0.0
787	Multifamily	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2020	53W EISA compliant lamp	Direct Install	per lamp	1	\$7.5	26	0.003	0.0
788	Multifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2020	53W EISA compliant lamp	Direct Install	per lamp	1	\$7.5	20	0.003	0.0
789	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2020	53W EISA compliant lamp	Time of Sale	per lamp	1	\$1.7	29	0.003	0.0
790	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	20 W CFL installed in year 2020	53W EISA compliant lamp	Time of Sale	per lamp	1	\$1.7	23	0.003	0.0
791	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2016	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$20.6	80	0.000	0.0
792	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2016	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$20.6	80	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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793	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2016	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$20.6	80	0.000	0.0
794	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2016	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$20.6	80	0.000	0.0
795	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2017	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$24.4	80	0.000	0.0
796	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2017	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$24.4	80	0.000	0.0
797	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2017	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$24.4	80	0.000	0.0
798	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2017	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$24.4	80	0.000	0.0
799	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2018	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$27.6	80	0.000	0.0
800	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2018	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$27.6	80	0.000	0.0
801	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2018	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$27.6	80	0.000	0.0

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802	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2018	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$27.6	80	0.000	0.0
803	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2019	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.2	80	0.000	0.0
804	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2019	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.2	80	0.000	0.0
805	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2019	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.2	80	0.000	0.0
806	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2019	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.2	80	0.000	0.0
807	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2020	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.6	80	0.000	0.0
808	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2020	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.6	80	0.000	0.0
809	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	20 W CFL installed in year 2020	53W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.6	80	0.000	0.0
810	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2020	53W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.6	80	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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811	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2016	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.3	52	0.005	0.0
812	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2016	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.3	52	0.005	0.0
813	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2016	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.3	41	0.005	0.0
814	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2016	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.3	41	0.005	0.0
815	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2017	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.9	52	0.005	0.0
816	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2017	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.9	52	0.005	0.0
817	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2017	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.9	41	0.005	0.0
818	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2017	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.9	41	0.005	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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819	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2018	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.4	52	0.005	0.0
820	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2018	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.4	52	0.005	0.0
821	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2018	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.4	41	0.005	0.0
822	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2018	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.4	41	0.005	0.0
823	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2019	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.8	52	0.005	0.0
824	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2019	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.8	52	0.005	0.0
825	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2019	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.8	41	0.005	0.0
826	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2019	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.8	41	0.005	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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827	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2020	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.9	52	0.005	0.0
828	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2020	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.9	52	0.005	0.0
829	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2020	53W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.9	41	0.005	0.0
830	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	20 W CFL installed in year 2020	53W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.9	41	0.005	0.0
831	All	Gas Heating	Lighting	ENERGY STAR Specialty Compact Fluorescent Lamp (CFL)	15W CFL Generic Specialty Lamp	60W Incandescent Generic Specialty Lamp	Time of Sale	per lamp	1	-\$10.3	40	0.004	0.0
832	Single Family & Duplex	Gas Heating	Lighting	ENERGY STAR Specialty Compact Fluorescent Lamp (CFL)	15W CFL Generic Specialty Lamp	60W Incandescent Generic Specialty Lamp	Direct Install	per lamp	1	-\$1.8	39	0.004	0.0
833	Multi Family	Gas Heating	Lighting	ENERGY STAR Specialty Compact Fluorescent Lamp (CFL)	15W CFL Generic Specialty Lamp	60W Incandescent Generic Specialty Lamp	Direct Install	per lamp	1	-\$1.8	38	0.004	0.0
834	All	Gas Heating	Lighting	ENERGY STAR Specialty Compact Fluorescent Lamp (CFL)	15W CFL Generic Specialty Lamp	60W Incandescent Generic Specialty Lamp	New Construction	per lamp	1	-\$10.3	40	0.004	0.0
835	All	Electric Heating	Lighting	ENERGY STAR Specialty Compact Fluorescent Lamp (CFL)	15W CFL Generic Specialty Lamp	60W Incandescent Generic Specialty Lamp	Time of Sale	per lamp	1	-\$10.3	31	0.004	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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836	Single Family & Duplex	Electric Heating	Lighting	ENERGY STAR Specialty Compact Fluorescent Lamp (CFL)	15W CFL Generic Specialty Lamp	60W Incandescent Generic Specialty Lamp	Direct Install	per lamp	1	-\$1.8	31	0.004	0.0
837	Multi-family	Electric Heating	Lighting	ENERGY STAR Specialty Compact Fluorescent Lamp (CFL)	15W CFL Generic Specialty Lamp	60W Incandescent Generic Specialty Lamp	Direct Install	per lamp	1	-\$1.8	30	0.004	0.0
838	All	Electric Heating	Lighting	ENERGY STAR Specialty Compact Fluorescent Lamp (CFL)	15W CFL Generic Specialty Lamp	60W Incandescent Generic Specialty Lamp	New Construction	per lamp	1	-\$10.3	31	0.004	0.0
839	All	Gas Heating	Lighting	LED Downlights	21 W LED	67W Incandescent /Halogen PAR30 screw-in lamps	Time of Sale	per lamp	2	-\$8.0	39	0.004	0.0
840	All	Gas Heating	Lighting	LED Downlights	21 W LED	67W Incandescent /Halogen PAR30 screw-in lamps	New Construction	per lamp	2	-\$8.0	39	0.004	0.0
841	All	Electric Heating	Lighting	LED Downlights	21 W LED	67W Incandescent /Halogen PAR30 screw-in lamps	Time of Sale	per lamp	2	-\$8.0	31	0.004	0.0
842	All	Electric Heating	Lighting	LED Downlights	21 W LED	67W Incandescent /Halogen PAR30 screw-in lamps	New Construction	per lamp	2	-\$8.0	31	0.004	0.0
843	Single Family & Duplex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2016	72W EISA compliant lamp	Direct Install	per lamp	1	\$4.6	38	0.004	0.0
844	Single Family & Duplex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2016	72W EISA compliant lamp	Direct Install	per lamp	1	\$4.6	30	0.004	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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845	Mult ifamily	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2016	72W EISA compliant lamp	Direct Install	per lamp	1	\$4.6	38	0.004	0.0
846	Mult ifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2016	72W EISA compliant lamp	Direct Install	per lamp	1	\$4.6	29	0.004	0.0
847	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2016	72W EISA compliant lamp	Time of Sale	per lamp	1	-\$1.2	41	0.004	0.0
848	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2016	72W EISA compliant lamp	Time of Sale	per lamp	1	-\$1.2	32	0.004	0.0
849	Singl eFami ly &Du plex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2017	72W EISA compliant lamp	Direct Install	per lamp	1	\$5.5	38	0.004	0.0
850	Singl eFami ly &Du plex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2017	72W EISA compliant lamp	Direct Install	per lamp	1	\$5.5	30	0.004	0.0
851	Mult ifami ly	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2017	72W EISA compliant lamp	Direct Install	per lamp	1	\$5.5	38	0.004	0.0
852	Mult ifami ly	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2017	72W EISA compliant lamp	Direct Install	per lamp	1	\$5.5	29	0.004	0.0
853	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2017	72W EISA compliant lamp	Time of Sale	per lamp	1	-\$0.3	41	0.004	0.0
854	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2017	72W EISA compliant lamp	Time of Sale	per lamp	1	-\$0.3	32	0.004	0.0
855	Singl eFami ly &Du plex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2018	72W EISA compliant lamp	Direct Install	per lamp	1	\$6.3	38	0.004	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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856	Singl eFa mily &Du plex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2018	72W EISA compliant lamp	Direct Install	per lamp	1	\$6.3	30	0.004	0.0
857	Mult ifami ly	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2018	72W EISA compliant lamp	Direct Install	per lamp	1	\$6.3	38	0.004	0.0
858	Mult ifami ly	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2018	72W EISA compliant lamp	Direct Install	per lamp	1	\$6.3	29	0.004	0.0
859	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2018	72W EISA compliant lamp	Time of Sale	per lamp	1	\$0.5	41	0.004	0.0
860	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2018	72W EISA compliant lamp	Time of Sale	per lamp	1	\$0.5	32	0.004	0.0
861	Singl eFa mily &Du plex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2019	72W EISA compliant lamp	Direct Install	per lamp	1	\$7.0	38	0.004	0.0
862	Singl eFa mily &Du plex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2019	72W EISA compliant lamp	Direct Install	per lamp	1	\$7.0	30	0.004	0.0
863	Mult ifami ly	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2019	72W EISA compliant lamp	Direct Install	per lamp	1	\$7.0	38	0.004	0.0
864	Mult ifami ly	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2019	72W EISA compliant lamp	Direct Install	per lamp	1	\$7.0	29	0.004	0.0
865	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2019	72W EISA compliant lamp	Time of Sale	per lamp	1	\$1.2	41	0.004	0.0
866	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2019	72W EISA compliant lamp	Time of Sale	per lamp	1	\$1.2	32	0.004	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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867	Single Family & Duplex	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2020	72W EISA compliant lamp	Direct Install	per lamp	1	\$7.5	38	0.004	0.0
868	Single Family & Duplex	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2020	72W EISA compliant lamp	Direct Install	per lamp	1	\$7.5	30	0.004	0.0
869	Multifamily	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2020	72W EISA compliant lamp	Direct Install	per lamp	1	\$7.5	38	0.004	0.0
870	Multifamily	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2020	72W EISA compliant lamp	Direct Install	per lamp	1	\$7.5	29	0.004	0.0
871	All	Gas Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2020	72W EISA compliant lamp	Time of Sale	per lamp	1	\$1.7	41	0.004	0.0
872	All	Electric Heating	Lighting	ENERGY STAR Compact Fluorescent Lamp (CFL)	25 W CFL installed in year 2020	72W EISA compliant lamp	Time of Sale	per lamp	1	\$1.7	32	0.004	0.0
873	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2016	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$20.6	114	0.000	0.0
874	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2016	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$20.6	114	0.000	0.0
875	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2016	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$20.6	114	0.000	0.0
876	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2016	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$20.6	114	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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877	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2017	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$24.4	114	0.000	0.0
878	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2017	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$24.4	114	0.000	0.0
879	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2017	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$24.4	114	0.000	0.0
880	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2017	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$24.4	114	0.000	0.0
881	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2018	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$27.6	114	0.000	0.0
882	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2018	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$27.6	114	0.000	0.0
883	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2018	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$27.6	114	0.000	0.0
884	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2018	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$27.6	114	0.000	0.0
885	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2019	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.2	114	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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886	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2019	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.2	114	0.000	0.0
887	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2019	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.2	114	0.000	0.0
888	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2019	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.2	114	0.000	0.0
889	All	Electric Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2020	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.6	114	0.000	0.0
890	All	Electric Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2020	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.6	114	0.000	0.0
891	All	Gas Heating	Lighting	Exterior Hardwired Lighting Fixtures	25 W CFL installed in year 2020	72W EISA compliant lamp - Exterior Hardwired	New Construction	per lamp	20	\$30.6	114	0.000	0.0
892	All	Gas Heating	Lighting	Exterior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2020	72W EISA compliant lamp - Exterior Hardwired	Time of Sale	per lamp	20	\$30.6	114	0.000	0.0
893	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2016	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.3	74	0.007	0.0
894	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent	25 W CFL installed in year 2016	72W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.3	74	0.007	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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				Lamp (CFL) Fixture									
895	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2016	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.3	58	0.007	0.0
896	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2016	72W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.3	58	0.007	0.0
897	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2017	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.9	74	0.007	0.0
898	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2017	72W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.9	74	0.007	0.0
899	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2017	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$30.9	58	0.007	0.0
900	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2017	72W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$30.9	58	0.007	0.0
901	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2018	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.4	74	0.007	0.0
902	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent	25 W CFL installed in year 2018	72W EISA compliant lamp -	Time of Sale	per lamp	20	\$31.4	74	0.007	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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				Lamp (CFL) Fixture		Interior Hardwired							
903	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2018	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.4	58	0.007	0.0
904	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2018	72W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.4	58	0.007	0.0
905	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2019	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.8	74	0.007	0.0
906	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2019	72W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.8	74	0.007	0.0
907	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2019	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.8	58	0.007	0.0
908	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2019	72W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.8	58	0.007	0.0
909	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2020	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.9	74	0.007	0.0
910	All	Gas Heating	Lighting	Interior Hardwired Compact Fluorescent	25 W CFL installed in year 2020	72W EISA compliant lamp -	Time of Sale	per lamp	20	\$31.9	74	0.007	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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				Lamp (CFL) Fixture		Interior Hardwired							
911	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2020	72W EISA compliant lamp - Interior Hardwired	New Construction	per lamp	20	\$31.9	58	0.007	0.0
912	All	Electric Heating	Lighting	Interior Hardwired Compact Fluorescent Lamp (CFL) Fixture	25 W CFL installed in year 2020	72W EISA compliant lamp - Interior Hardwired	Time of Sale	per lamp	20	\$31.9	58	0.007	0.0
913	Multifamily	Gas Heating	Lighting	LED Exit Signs	LED exit sign	Fluorescent Exit Sign	Time of Sale	per exit sign	1	-\$28.5	82	0.010	0.0
914	Multifamily	Gas Heating	Lighting	LED Exit Signs	LED exit sign	Fluorescent Exit Sign	Retrofit	per exit sign	1	-\$21.5	82	0.010	0.0
915	Multifamily	Gas Heating	Lighting	LED Exit Signs	LED exit sign	Fluorescent Exit Sign	New Construction	per exit sign	1	-\$28.5	82	0.010	0.0
916	Multifamily	Electric Heating	Lighting	LED Exit Signs	LED exit sign	Fluorescent Exit Sign	Time of Sale	per exit sign	1	-\$28.5	64	0.010	0.0
917	Multifamily	Electric Heating	Lighting	LED Exit Signs	LED exit sign	Fluorescent Exit Sign	Retrofit	per exit sign	1	-\$21.5	64	0.010	0.0
918	Multifamily	Electric Heating	Lighting	LED Exit Signs	LED exit sign	Fluorescent Exit Sign	New Construction	per exit sign	1	-\$28.5	64	0.010	0.0
919	Multifamily	Gas Heating	Lighting	Home Energy Audit & Retrofit Multifamily: Common Area	0	Home Energy Audit & Retrofit Multifamily: Common Area	Direct Install	per building	25	\$100.0	0	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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920	Multifamily	Electric Heating	Lighting	Home Energy Audit & Retrofit Multifamily: Common Area	0	Home Energy Audit & Retrofit Multifamily: Common Area	Direct Install	per building	25	\$100.0	0	0.000	0.0
921	All	Gas Heating	Lighting	ENERGY STAR Torchiere - OM	Energy Star Torchiere	Incandescent /Halogen Torchiere	Time of Sale	per torchiere	2	-\$15.9	116	0.009	0.0
922	All	Gas Heating	Lighting	ENERGY STAR Torchiere	Energy Star Torchiere	Incandescent /Halogen Torchiere	New Construction	per torchiere	2	-\$15.9	116	0.009	0.0
923	All	Electric Heating	Lighting	ENERGY STAR Torchiere - OM	Energy Star Torchiere	Incandescent /Halogen Torchiere	Time of Sale	per torchiere	2	-\$15.9	90	0.009	0.0
924	All	Electric Heating	Lighting	ENERGY STAR Torchiere	Energy Star Torchiere	Incandescent /Halogen Torchiere	New Construction	per torchiere	2	-\$15.9	90	0.009	0.0
925	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2016 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	17	0.002	0.0
926	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2016 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	14	0.002	0.0
927	Multifamily	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2016 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	17	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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928	Multifamily	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2016 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	13	0.002	0.0
929	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2016 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$1.7	18	0.002	0.0
930	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2016 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$1.7	14	0.002	0.0
931	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.0	17	0.002	0.0
932	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.0	14	0.002	0.0
933	Multifamily	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.0	17	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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934	Multifamily	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.0	13	0.002	0.0
935	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.0	18	0.002	0.0
936	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.0	14	0.002	0.0
937	All	Gas Heating	Lighting	Efficient light bulbs	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.0	18	0.002	0.0
938	All	Electric Heating	Lighting	Efficient light bulbs	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.0	14	0.002	0.0
939	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps - OM	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.0	18	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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940	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps - OM	12.32 W LED installed in year 2017 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.0	14	0.002	0.0
941	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2018 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.3	17	0.002	0.0
942	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2018 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.3	14	0.002	0.0
943	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2018 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.3	17	0.002	0.0
944	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2018 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.3	13	0.002	0.0
945	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2018 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.3	18	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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946	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2018 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.3	14	0.002	0.0
947	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2019 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.5	17	0.002	0.0
948	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2019 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.5	14	0.002	0.0
949	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2019 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.5	17	0.002	0.0
950	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2019 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.5	13	0.002	0.0
951	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2019 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.5	18	0.002	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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952	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	12.32 W LED installed in year 2019 representing bulbs less than 1050 lumens	Pre 2020 lamp of 32.3W; switching to 15W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.5	14	0.002	0.0
953	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2016	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	26	0.003	0.0
954	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2016	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	20	0.003	0.0
955	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2016	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	26	0.003	0.0
956	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2016	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	20	0.003	0.0
957	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2016	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$1.7	26	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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958	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2016	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$1.7	21	0.003	0.0
959	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2017	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.0	26	0.003	0.0
960	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2017	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.0	20	0.003	0.0
961	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2017	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.0	26	0.003	0.0
962	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2017	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.0	20	0.003	0.0
963	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2017	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.0	26	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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964	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2017	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.0	21	0.003	0.0
965	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2018	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.3	26	0.003	0.0
966	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2018	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.3	20	0.003	0.0
967	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2018	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.3	26	0.003	0.0
968	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2018	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.3	20	0.003	0.0
969	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2018	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.3	26	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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970	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2018	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.3	21	0.003	0.0
971	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2019	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.5	26	0.003	0.0
972	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2019	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.5	20	0.003	0.0
973	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2019	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.5	26	0.003	0.0
974	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2019	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$2.5	20	0.003	0.0
975	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2019	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.5	26	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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976	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	23.1 W LED installed in year 2019	Pre 2020 lamp of 53W; switching to 28.2W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$2.5	21	0.003	0.0
977	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2016	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	30	0.003	0.0
978	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2016	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	24	0.003	0.0
979	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2016	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	30	0.003	0.0
980	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2016	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$1.7	23	0.003	0.0
981	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2016	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$1.7	31	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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982	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2016	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$1.7	24	0.003	0.0
983	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2017	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	-\$0.3	30	0.003	0.0
984	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2017	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	-\$0.3	24	0.003	0.0
985	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2017	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	-\$0.3	30	0.003	0.0
986	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2017	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	-\$0.3	23	0.003	0.0
987	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2017	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	-\$0.3	31	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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988	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2017	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	-\$0.3	24	0.003	0.0
989	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2018	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$0.0	30	0.003	0.0
990	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2018	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$0.0	24	0.003	0.0
991	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2018	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$0.0	30	0.003	0.0
992	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2018	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$0.0	23	0.003	0.0
993	All	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2018	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$0.0	31	0.003	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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994	All	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2018	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Time of Sale	per lamp	1	\$0.0	24	0.003	0.0
995	Single Family & Duplex	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2019	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$0.2	30	0.003	0.0
996	Single Family & Duplex	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2019	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$0.2	24	0.003	0.0
997	Multi-family	Gas Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2019	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$0.2	30	0.003	0.0
998	Multi-family	Electric Heating	Lighting	Omnidirectional A-type LED lamps	37.2 W LED installed in year 2019	Pre 2020 lamp of 72W; switching to 45.4W EISA post-2020 compliant lamp	Direct Install	per lamp	1	\$0.2	23	0.003	0.0
999	Single Family & Duplex	AC/Electric Resistance Heat	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$510.6	2701	0.282	0.0

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1000	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$510.6	2356	0.000	0.0
1001	Single Family & Duplex	Heat Pump	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$510.6	1549	0.262	0.0
1002	Single Family & Duplex	AC/Gas Heat	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$510.6	345	0.282	100.5
1003	Single Family & Duplex	Gas Heat (No AC)	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$510.6	0	0.000	100.5
1004	Multi Family	AC/Electric Resistance Heat	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$315.0	1525	0.196	0.0
1005	Multi Family	Electric Resistance Heat/No CAC	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$315.0	684	0.000	0.0
1006	Multi Family	Heat Pump	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$315.0	1509	0.182	0.0

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1007	Multifamily	AC/Gas Heat	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$315.0	213	0.196	63.9
1008	Multifamily	Gas Heat (No AC)	Shell	Air Sealing	Sealed Envelope with Normal Exposure - 4 ACH50	IECC 2009 Code Level Envelope Tightness with Normal Exposure - 7 ACH50	New Construction	per home	15	\$315.0	0	0.000	63.9
1009	Single Family & Duplex	AC/Electric Resistance Heat	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$426.9	2749	0.321	0.0
1010	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$426.9	2356	0.000	0.0
1011	Single Family & Duplex	Heat Pump	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$426.9	1707	0.321	0.0
1012	Single Family & Duplex	AC/Gas Heat	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$426.9	393	0.321	114.8
1013	Single Family & Duplex	Gas Heat (No AC)	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$426.9	0	0.000	114.8
1014	Multifamily	AC/Electric Resistance Heat	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$263.3	1554	0.223	0.0
1015	Multifamily	Electric Resistance Heat/No CAC	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$263.3	732	0.000	0.0

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1016	Multifamily	Heat Pump	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$263.3	1554	0.223	0.0
1017	Multifamily	AC/Gas Heat	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$263.3	243	0.223	63.9
1018	Multifamily	Gas Heat (No AC)	Shell	Air Sealing	Sealed Envelope with Normal Exposure	Leaky Envelope with Normal Exposure	Retrofit	per home	15	\$263.3	0	0.000	63.9
1019	SingleFamily & Duplex	AC/Electric Resistance Heat	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	7926	0.220	0.0
1020	SingleFamily & Duplex	Electric Resistance Heat/No CAC	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	7657	0.000	0.0
1021	SingleFamily & Duplex	Heat Pump	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	4539	0.220	0.0
1022	SingleFamily & Duplex	AC/Gas Heat	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	612	0.220	373.0
1023	SingleFamily & Duplex	Gas Heat (No AC)	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	343	0.000	373.0
1024	Multifamily	AC/Electric Resistance Heat	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	3880	0.121	0.0
1025	Multifamily	Electric Resistance Heat/No CAC	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	3748	0.000	0.0

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1026	Multifamily	Heat Pump	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	2222	0.121	0.0
1027	Multifamily	AC/Gas Heat	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	299	0.121	182.6
1028	Multifamily	Gas Heat (No AC)	Shell	Basement Sidewall Insulation	Conditioned basement with code level - R13 Cavity Insulation above and below grade	Conditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	168	0.000	182.6
1029	SingleFamily & Duplex	AC/Electric Resistance Heat	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$925.3	3940	0.073	0.0
1030	SingleFamily & Duplex	Electric Resistance Heat/No CAC	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$925.3	3850	0.000	0.0
1031	SingleFamily & Duplex	Heat Pump	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$925.3	2237	0.073	0.0
1032	SingleFamily & Duplex	AC/Gas Heat	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$925.3	262	0.073	187.5
1033	SingleFamily & Duplex	Gas Heat (No AC)	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$925.3	173	0.000	187.5
1034	Multifamily	AC/Electric Resistance Heat	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$452.9	1928	0.040	0.0
1035	Multifamily	Electric Resistance Heat/No CAC	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$452.9	1885	0.000	0.0

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1036	Multifamily	Heat Pump	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$452.9	1095	0.040	0.0
1037	Multifamily	AC/Gas Heat	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$452.9	128	0.040	91.8
1038	Multifamily	Gas Heat (No AC)	Shell	Basement Sidewall Insulation	Crawlspace with code level - R13 Cavity Insulation above and below grade	Crawlspace No Insulation	Retrofit	per home	25	\$452.9	84	0.000	91.8
1039	Single Family & Duplex	Heat Pump	Shell	Basement Sidewall Insulation	Unconditioned basement with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	2661	0.073	0.0
1040	Single Family & Duplex	AC/Gas Heat	Shell	Basement Sidewall Insulation	Unconditioned basement with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	296	0.073	224.6
1041	Single Family & Duplex	Gas Heat (No AC)	Shell	Basement Sidewall Insulation	Unconditioned basement with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	207	0.000	224.6
1042	Multifamily	AC/Electric Resistance Heat	Shell	Basement Sidewall Insulation	Unconditioned basement with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	2301	0.040	0.0
1043	Multifamily	Electric Resistance Heat/No CAC	Shell	Basement Sidewall Insulation	Unconditioned basement with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	2257	0.000	0.0
1044	Multifamily	Heat Pump	Shell	Basement Sidewall Insulation	Unconditioned basement with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	1303	0.040	0.0
1045	Multifamily	AC/Gas Heat	Shell	Basement Sidewall Insulation	Unconditioned basement with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	145	0.040	109.9

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1046	Multifamily	Gas Heat (No AC)	Shell	Basement Sidewall Insulation	UnConditioned basement with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$1,811.7	101	0.000	109.9
1047	Single Family & Duplex	AC/Electric Resistance Heat	Shell	Basement Sidewall Insulation	UnConditioned space with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	4701	0.073	0.0
1048	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Basement Sidewall Insulation	UnConditioned space with code level - R13 Cavity Insulation above and below grade	Unconditioned Space No Insulation	Retrofit	per home	25	\$3,701.3	4611	0.000	0.0
1049	Single Family & Duplex	AC/Electric Resistance Heat	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$2,024.6	5033	0.094	0.0
1050	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$2,024.6	4919	0.000	0.0
1051	Single Family & Duplex	Heat Pump	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$2,024.6	2858	0.094	0.0
1052	Single Family & Duplex	AC/Gas Heat	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$2,024.6	335	0.094	239.8
1053	Single Family & Duplex	Gas Heat (No AC)	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$2,024.6	221	0.000	239.8
1054	Multifamily	AC/Electric Resistance Heat	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$1,940.4	4824	0.101	0.0
1055	Multifamily	Electric Resistance Heat/No CAC	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$1,940.4	4714	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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1056	Multifamily	Heat Pump	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$1,940.4	2739	0.101	0.0
1057	Multifamily	AC/Gas Heat	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$1,940.4	321	0.101	229.8
1058	Multifamily	Gas Heat (No AC)	Shell	Floor insulation above crawlspace	R30 Floor Insulation	no insulation	Retrofit	per home	25	\$1,940.4	211	0.000	229.8
1059	SingleFamily & Duplex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$1,738.3	289	0.023	0.0
1060	SingleFamily & Duplex	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$1,738.3	497	0.023	0.0
1061	SingleFamily & Duplex	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$1,738.3	469	0.000	0.0
1062	SingleFamily & Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$1,738.3	28	0.023	22.9
1063	SingleFamily & Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$1,738.3	21	0.000	22.9
1064	Multifamily	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$522.5	87	0.008	0.0
1065	Multifamily	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$522.5	149	0.008	0.0
1066	Multifamily	Electric Resistance	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$522.5	141	0.000	0.0

*Residential applicability factors were developed only for measures included in the potential analyses.

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Heat/No CAC													
1067	Mult ifamily	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$522.5	8	0.008	6.9
1068	Mult ifamily	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Cavity Insulation + R5 Sheathing	R19 Wall Cavity Insulation	New Construction	per home	25	\$522.5	6	0.000	6.9
1069	Singl eFami ly &Duplex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$3,608.8	2964	0.231	0.0
1070	Singl eFami ly &Duplex	AC/Elect ric Resistan ce Heat	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$3,608.8	5092	0.231	0.0
1071	Singl eFami ly &Duplex	Electric Resistan ce Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$3,608.8	4810	0.000	0.0
1072	Singl eFami ly &Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$3,608.8	282	0.231	234.3
1073	Singl eFami ly &Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$3,608.8	216	0.000	234.3
1074	Mult ifamily	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$1,084.8	891	62.747	0.0
1075	Mult ifamily	AC/Elect ric Resistan ce Heat	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$1,084.8	1531	62.747	0.0
1076	Mult ifamily	Electric Resistan ce	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$1,084.8	1446	62.747	0.0

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Appendix D: Residential Measure Assumptions

Heat/No CAC													
1077	Mult ifami ly	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$1,084.8	85	62.747	70.4
1078	Mult ifami ly	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R19 Wall Insulation	Uninsulated external wall	Retrofit	per home	25	\$1,084.8	65	62.747	70.4
1079	Singl eFam ily &Du plex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	3530	0.238	0.0
1080	Singl eFam ily &Du plex	AC/Elect ric Resistan ce Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	6100	0.238	0.0
1081	Singl eFam ily &Du plex	Electric Resistan ce Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	5809	0.000	0.0
1082	Singl eFam ily &Du plex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	291	0.238	282.9
1083	Singl eFam ily &Du plex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	260	0.000	282.9
1084	Singl eFam ily &Du plex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	798	0.054	0.0
1085	Singl eFam ily &Du plex	AC/Elect ric Resistan ce Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	1379	0.054	0.0

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1086	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	1313	0.000	0.0
1087	Single Family & Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	66	0.054	64.0
1088	Single Family & Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	59	0.000	64.0
1089	Single Family & Duplex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,433.0	271	0.018	0.0
1090	Single Family & Duplex	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,433.0	468	0.018	0.0
1091	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,433.0	445	0.000	0.0
1092	Single Family & Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,433.0	22	0.018	21.7
1093	Single Family & Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,433.0	20	0.000	21.7
1094	Multi-family	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	3352	203.959	0.0
1095	Multi-family	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	5791	203.959	0.0

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1096	Multifamily	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	5516	203.959	0.0
1097	Multifamily	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	276	203.959	268.7
1098	Multifamily	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	247	203.959	268.7
1099	Multifamily	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	765	46.498	0.0
1100	Multifamily	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	1321	46.498	0.0
1101	Multifamily	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	1258	46.498	0.0
1102	Multifamily	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	63	46.498	61.3
1103	Multifamily	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	56	46.498	61.3
1104	Multifamily	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,373.4	259	15.769	0.0
1105	Multifamily	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,373.4	448	15.769	0.0
1106	Multifamily	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,373.4	427	15.769	0.0

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1107	Multifamily	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,373.4	21	15.769	20.8
1108	Multifamily	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R38 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,373.4	19	15.769	20.8
1109	SingleFamily & Duplex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,392.7	3647	0.246	0.0
1110	SingleFamily & Duplex	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,392.7	6301	0.246	0.0
1111	SingleFamily & Duplex	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,392.7	6001	0.000	0.0
1112	SingleFamily & Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,392.7	300	0.246	292.3
1113	SingleFamily & Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,392.7	269	0.000	292.3
1114	SingleFamily & Duplex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	915	0.061	0.0
1115	SingleFamily & Duplex	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	1580	0.061	0.0
1116	SingleFamily & Duplex	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	1505	0.000	0.0

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1117	Single Family & Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	75	0.061	73.3
1118	Single Family & Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,024.6	67	0.000	73.3
1119	Single Family & Duplex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	387	0.026	0.0
1120	Single Family & Duplex	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	669	0.026	0.0
1121	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	638	0.000	0.0
1122	Single Family & Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	32	0.026	31.1
1123	Single Family & Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,656.5	29	0.000	31.1
1124	Single Family & Duplex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$972.9	117	0.008	0.0
1125	Single Family & Duplex	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$972.9	202	0.008	0.0
1126	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$972.9	192	0.000	0.0

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1127	Single Family & Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$972.9	10	0.008	9.4
1128	Single Family & Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$972.9	9	0.000	9.4
1129	Multi-family	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,293.2	3464	210.767	0.0
1130	Multi-family	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,293.2	5985	210.767	0.0
1131	Multi-family	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,293.2	5700	210.767	0.0
1132	Multi-family	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,293.2	285	210.767	277.6
1133	Multi-family	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	0 to 3 inches of ceiling/attic insulation	Retrofit	per home	25	\$2,293.2	255	210.767	277.6
1134	Multi-family	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	877	53.305	0.0
1135	Multi-family	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	1515	53.305	0.0
1136	Multi-family	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	1443	53.305	0.0
1137	Multi-family	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	72	53.305	70.3

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1138	Multifamily	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	4 to 6 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,940.4	65	53.305	70.3
1139	Multifamily	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	371	22.576	0.0
1140	Multifamily	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	642	22.576	0.0
1141	Multifamily	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	611	22.576	0.0
1142	Multifamily	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	31	22.576	29.8
1143	Multifamily	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	7 to 10 inches of ceiling/attic insulation	Retrofit	per home	25	\$1,587.6	27	22.576	29.8
1144	Multifamily	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$932.4	112	6.808	0.0
1145	Multifamily	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$932.4	193	6.808	0.0
1146	Multifamily	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$932.4	184	6.808	0.0
1147	Multifamily	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$932.4	9	6.808	9.0
1148	Multifamily	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	10+ inches of ceiling/attic insulation	Retrofit	per home	25	\$932.4	8	6.808	9.0

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1149	Single Family & Duplex	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$972.9	74	0.005	0.0
1150	Single Family & Duplex	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$972.9	128	0.005	0.0
1151	Single Family & Duplex	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$972.9	122	0.000	0.0
1152	Single Family & Duplex	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$972.9	6	0.005	5.9
1153	Single Family & Duplex	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$973.0	5	0.000	5.9
1154	Multi-family	Heat Pump	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$932.0	71	4.311	0.0
1155	Multi-family	AC/Electric Resistance Heat	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$932.0	123	4.311	0.0
1156	Multi-family	Electric Resistance Heat/No CAC	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$932.0	117	4.311	0.0
1157	Multi-family	AC/Gas Heat	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$932.4	6	4.311	5.7
1158	Multi-family	Gas Heat (No AC)	Shell	Wall and Ceiling/Attic Insulation	R60 Ceiling/Attic Insulation	R49 Ceiling/Attic Insulation	New Construction	per home	25	\$932.0	5	4.311	5.7

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