Demand Response Portfolio:
Volume 2

Submitted to: Ameren Missouri

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Submitted by: ADM Associates, Inc.

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1 Introduction

Under contract with Ameren Missouri, ADM Associates, Inc., (ADM) performed evaluation, measurement and verification (EM&V) activities to confirm the energy savings (kWh) and demand reduction (kW) realized through its energy efficiency programs.

This report is divided into two volumes providing information on the impact, process, and cost-effectiveness evaluation of the Ameren Missouri portfolio of demand response programs implemented during the 2024 program year. Volume II contains chapters presenting detailed information regarding evaluation methodologies, data collection instruments, and evaluation results. Volume II is organized as follows:

- Chapter 2: Residential Demand Response Detailed Results
- Chapter 3: Residential Demand Response Participant Survey Instrument
- Chapter 4: Business Demand Response Participant Survey Instrument
- Chapter 5: Residential Demand Response Participant Survey Responses
- Chapter 6: Business Demand Response Participant Survey Responses

See report Volume I for narrative and summary information pertaining to the evaluation methods and results.

2 Residential Demand Response Impact Analysis Details

2.1 Data Cleaning

The table below outlines the data cleaning steps and the corresponding number of accounts and devices at each stage.

Table 2-1 Data Cleaning Steps

Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
5/21/2024	ecobee	1. Raw Data	593	981	1,260
		2. Matched Premise & Account Numbers	593	981	1,260
		3. Account Open on Event Date	585	971	1,248
		4. No Conflicting Assignments	559	943	1,215
		5. One Device Brand	559	943	1,215
	Sensi	1. Raw Data	374	610	693
		2. Matched Premise & Account Numbers	374	610	693
		3. Account Open on Event Date	370	605	685
		4. No Conflicting Assignments	353	584	663
		5. One Device Brand	353	584	663
	Honeywell	1. Raw Data	2	2	2
		2. Matched Premise & Account Numbers	2	2	2
		3. Account Open on Event Date	2	2	2
		1. Raw Data	1,983	2,637	3,228
		2. Matched Premise & Account Numbers	1,982	2,636	3,226
	nest	3. Account Open on Event Date	1,973	2,623	3,210
		4. No Conflicting Assignments	1,942	2,588	3,169
		5. One Device Brand	1,942	2,588	3,169
6/13/2024	ecobee	1. Raw Data	11,021	11,021	1,561
		2. Matched Premise & Account Numbers	11,004	11,004	1,560
		3. Account Open on Event Date	10,920	10,920	1,559
		4. No Conflicting Assignments	10,676	10,676	1,545
		5. One Device Brand	10,676	10,676	1,545
	Sensi	1. Raw Data	7,566	7,566	7,212
		2. Matched Premise & Account Numbers	7,559	7,559	7,204
		3. Account Open on Event Date	7,509	7,509	7,158
		4. No Conflicting Assignments	7,350	7,350	7,012
		5. One Device Brand	7,350	7,350	7,012
	Honeywell	1. Raw Data	521	521	589

Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
		2. Matched Premise & Account Numbers	520	520	588
		3. Account Open on Event Date	519	519	587
		4. No Conflicting Assignments	499	499	567
		5. One Device Brand	499	499	567
	nest	1. Raw Data	30,517	30,517	36,083
		2. Matched Premise & Account Numbers	30,485	30,485	36,049
		3. Account Open on Event Date	30,291	30,291	35,832
		4. No Conflicting Assignments	29,975	29,975	35,470
		5. One Device Brand	29,975	29,975	35,470
6/17/2024	ecobee	1. Raw Data	1,166	1,655	951
		2. Matched Premise & Account Numbers	1,166	1,654	951
		3. Account Open on Event Date	1,166	1,654	951
		4. No Conflicting Assignments	1,130	1,617	940
		5. One Device Brand	1,130	1,617	940
	Sensi	1. Raw Data	567	932	943
		2. Matched Premise & Account Numbers	567	932	943
		3. Account Open on Event Date	567	932	943
		4. No Conflicting Assignments	543	905	918
		5. One Device Brand	543	905	918
	Honeywell	1. Raw Data	65	65	72
		2. Matched Premise & Account Numbers	65	65	72
		3. Account Open on Event Date	65	65	72
		4. No Conflicting Assignments	61	61	68
		5. One Device Brand	61	61	68
	nest	1. Raw Data	3,731	4,722	5,862
		2. Matched Premise & Account Numbers	3,730	4,721	5,860
		3. Account Open on Event Date	3,726	4,717	5,855
		4. No Conflicting Assignments	3,682	4,669	5,796
		5. One Device Brand	3,682	4,669	5,796
6/21/2024	ecobee	1. Raw Data	10,064	11,021	13,564
		2. Matched Premise & Account Numbers	10,048	11,004	13,544
		3. Account Open on Event Date	9,986	10,936	13,469
		4. No Conflicting Assignments	9,738	10,683	13,170
		5. One Device Brand	9,738	10,683	13,170
	Sensi	1. Raw Data	6,620	7,508	8,242
		2. Matched Premise & Account Numbers	6,614	7,501	8,234

Residential Demand Response Impact Analysis Details

Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
		3. Account Open on Event Date	6,578	7,461	8,192
		4. No Conflicting Assignments	6,420	7,298	8,019
		5. One Device Brand	6,420	7,297	8,018
	Honeywell	1. Raw Data	281	541	611
		2. Matched Premise & Account Numbers	280	539	609
		3. Account Open on Event Date	279	538	608
		4. No Conflicting Assignments	259	518	588
		5. One Device Brand	259	518	588
	nest	1. Raw Data	29,528	30,507	36,078
		2. Matched Premise & Account Numbers	29,496	30,473	36,041
		3. Account Open on Event Date	29,383	30,357	35,911
		4. No Conflicting Assignments	29,073	30,041	35,547
		5. One Device Brand	29,072	30,040	35,546
6/25/2024	ecobee	1. Raw Data	1,164	1,650	2,118
		2. Matched Premise & Account Numbers	1,163	1,649	2,116
		3. Account Open on Event Date	1,162	1,648	2,115
		4. No Conflicting Assignments	1,128	1,612	2,071
		5. One Device Brand	1,128	1,612	2,071
	Sensi	1. Raw Data	565	924	1,048
		2. Matched Premise & Account Numbers	565	924	1,048
		3. Account Open on Event Date	563	921	1,045
		4. No Conflicting Assignments	539	895	1,018
		5. One Device Brand	539	895	1,018
	Honeywell	1. Raw Data	64	64	71
		2. Matched Premise & Account Numbers	64	64	71
		3. Account Open on Event Date	64	64	71
		4. No Conflicting Assignments	61	61	68
		5. One Device Brand	61	61	68
	nest	1. Raw Data	3,697	4,687	5,823
		2. Matched Premise & Account Numbers	3,697	4,686	5,821
		3. Account Open on Event Date	3,695	4,683	5,817
		4. No Conflicting Assignments	3,650	4,636	5,759
		5. One Device Brand	3,650	4,636	5,759
7/15/2024	ecobee	1. Raw Data	1,160	1,644	2,113
		2. Matched Premise & Account Numbers	1,159	1,643	2,111
		3. Account Open on Event Date	1,153	1,634	2,099
		4. No Conflicting Assignments	1,119	1,599	2,056

Residential Demand Response Impact Analysis Details

Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
		5. One Device Brand	1,119	1,599	2,056
	Sensi	1. Raw Data	555	908	1,031
		2. Matched Premise & Account Numbers	555	908	1,031
		3. Account Open on Event Date	554	907	1,030
		4. No Conflicting Assignments	531	884	1,006
		5. One Device Brand	531	884	1,006
	Honeywell	1. Raw Data	64	64	71
		2. Matched Premise & Account Numbers	64	64	71
		3. Account Open on Event Date	64	64	71
		4. No Conflicting Assignments	61	61	68
		5. One Device Brand	61	61	68
	nest	1. Raw Data	3,655	4,649	5,783
		2. Matched Premise & Account Numbers	3,654	4,648	5,781
		3. Account Open on Event Date	3,644	4,633	5,762
		4. No Conflicting Assignments	3,600	4,588	5,706
		5. One Device Brand	3,600	4,588	5,706
7/16/2024	ecobee	1. Raw Data	10,113	11,092	13,639
		2. Matched Premise & Account Numbers	10,096	11,072	13,616
		3. Account Open on Event Date	10,010	10,975	13,507
		4. No Conflicting Assignments	9,768	10,732	13,225
		5. One Device Brand	9,768	10,732	13,225
	Sensi	1. Raw Data	6,394	7,371	8,083
		2. Matched Premise & Account Numbers	6,388	7,363	8,074
		3. Account Open on Event Date	6,345	7,311	8,020
		4. No Conflicting Assignments	6,188	7,154	7,855
		5. One Device Brand	6,188	7,154	7,855
	Honeywell	1. Raw Data	287	554	626
		2. Matched Premise & Account Numbers	286	552	624
		3. Account Open on Event Date	286	551	623
		4. No Conflicting Assignments	266	531	603
		5. One Device Brand	266	531	603
	nest	1. Raw Data	29,694	30,684	36,296
		2. Matched Premise & Account Numbers	29,660	30,647	36,256
		3. Account Open on Event Date	29,453	30,432	36,017
		4. No Conflicting Assignments	29,141	30,119	35,655
		5. One Device Brand	29,141	30,119	35,655
7/30/2024	ecobee	1. Raw Data	10,196	11,166	13,702

Residential Demand Response Impact Analysis Details

Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
		2. Matched Premise & Account Numbers	10,177	11,146	13,679
		3. Account Open on Event Date	10,063	11,025	13,546
		4. No Conflicting Assignments	9,824	10,781	13,266
		5. One Device Brand	9,824	10,781	13,266
	Sensi	1. Raw Data	6,509	7,401	8,110
		2. Matched Premise & Account Numbers	6,500	7,392	8,101
		3. Account Open on Event Date	6,444	7,328	8,034
		4. No Conflicting Assignments	6,290	7,167	7,865
		5. One Device Brand	6,290	7,167	7,865
	Honeywell	1. Raw Data	303	590	668
		2. Matched Premise & Account Numbers	302	588	666
		3. Account Open on Event Date	301	586	664
		4. No Conflicting Assignments	279	563	641
		5. One Device Brand	279	563	641
	nest	1. Raw Data	29,960	30,940	36,561
		2. Matched Premise & Account Numbers	29,913	30,891	36,508
		3. Account Open on Event Date	29,657	30,631	36,220
		4. No Conflicting Assignments	29,346	30,317	35,859
		5. One Device Brand	29,346	30,317	35,859
7/31/2024	ecobee	1. Raw Data	1,158	1,638	2,107
		2. Matched Premise & Account Numbers	1,157	1,637	2,105
		3. Account Open on Event Date	1,146	1,623	2,088
		4. No Conflicting Assignments	1,114	1,589	2,046
		5. One Device Brand	1,114	1,589	2,046
	Sensi	1. Raw Data	547	896	1,018
		2. Matched Premise & Account Numbers	547	896	1,018
		3. Account Open on Event Date	545	894	1,016
		4. No Conflicting Assignments	523	870	991
		5. One Device Brand	523	870	991
	Honeywell	1. Raw Data	64	64	71
		2. Matched Premise & Account Numbers	64	64	71
		3. Account Open on Event Date	64	64	71
		4. No Conflicting Assignments	60	60	67
		5. One Device Brand	60	60	67
	nest	1. Raw Data	3,640	4,630	5,765
		2. Matched Premise & Account Numbers	3,639	4,629	5,763

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Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
		3. Account Open on Event Date	3,625	4,611	5,741
		4. No Conflicting Assignments	3,585	4,567	5,687
		5. One Device Brand	3,585	4,567	5,687
8/5/2024	ecobee	1. Raw Data	1,156	1,635	2,104
		2. Matched Premise & Account Numbers	1,156	1,634	2,102
		3. Account Open on Event Date	1,144	1,620	2,082
		4. No Conflicting Assignments	1,111	1,586	2,040
		5. One Device Brand	1,111	1,586	2,040
	Sensi	1. Raw Data	545	894	1,016
		2. Matched Premise & Account Numbers	545	894	1,016
		3. Account Open on Event Date	543	889	1,011
		4. No Conflicting Assignments	520	865	986
		5. One Device Brand	520	865	986
	Honeywell	1. Raw Data	63	63	70
		2. Matched Premise & Account Numbers	63	63	70
		3. Account Open on Event Date	63	63	70
		4. No Conflicting Assignments	59	59	66
		5. One Device Brand	59	59	66
	nest	1. Raw Data	3,631	4,620	5,755
		2. Matched Premise & Account Numbers	3,630	4,619	5,753
		3. Account Open on Event Date	3,616	4,603	5,733
		4. No Conflicting Assignments	3,574	4,559	5,679
		5. One Device Brand	3,574	4,559	5,679
8/6/2024	ecobee	1. Raw Data	1,151	1,635	2,104
		2. Matched Premise & Account Numbers	1,150	1,634	2,102
		3. Account Open on Event Date	1,140	1,619	2,080
		4. No Conflicting Assignments	1,109	1,585	2,038
		5. One Device Brand	1,109	1,585	2,038
	Sensi	1. Raw Data	543	894	1,016
		2. Matched Premise & Account Numbers	543	894	1,016
		3. Account Open on Event Date	541	889	1,011
		4. No Conflicting Assignments	517	865	986
		5. One Device Brand	517	865	986
	Honeywell	1. Raw Data	63	63	70
		2. Matched Premise & Account Numbers	63	63	70
		3. Account Open on Event Date	62	62	69
		4. No Conflicting Assignments	58	58	65

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Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
		5. One Device Brand	58	58	65
	nest	1. Raw Data	3,629	4,619	5,755
		2. Matched Premise & Account Numbers	3,628	4,618	5,753
		3. Account Open on Event Date	3,615	4,601	5,732
		4. No Conflicting Assignments	3,574	4,557	5,678
		5. One Device Brand	3,574	4,557	5,678
8/16/2024	ecobee	1. Raw Data	10,236	11,220	13,769
		2. Matched Premise & Account Numbers	10,213	11,197	13,744
		3. Account Open on Event Date	10,075	11,046	13,575
		4. No Conflicting Assignments	9,829	10,800	13,291
		5. One Device Brand	9,829	10,800	13,291
	Sensi	1. Raw Data	6,401	7,380	8,086
		2. Matched Premise & Account Numbers	6,392	7,370	8,076
		3. Account Open on Event Date	6,318	7,285	7,984
		4. No Conflicting Assignments	6,161	7,127	7,818
		5. One Device Brand	6,161	7,127	7,818
	Honeywell	1. Raw Data	387	627	714
		2. Matched Premise & Account Numbers	387	625	712
		3. Account Open on Event Date	384	619	706
		4. No Conflicting Assignments	359	594	680
		5. One Device Brand	359	594	680
	nest	1. Raw Data	30,124	31,112	36,747
		2. Matched Premise & Account Numbers	30,068	31,052	36,683
		3. Account Open on Event Date	29,787	30,759	36,365
		4. No Conflicting Assignments	29,474	30,445	36,004
		5. One Device Brand	29,474	30,445	36,004
8/29/2024	ecobee	1. Raw Data	1,145	1,623	2,089
		2. Matched Premise & Account Numbers	1,144	1,622	2,087
		3. Account Open on Event Date	1,137	1,611	2,073
		4. No Conflicting Assignments	1,102	1,575	2,028
		5. One Device Brand	1,102	1,575	2,028
	Sensi	1. Raw Data	541	882	1,003
		2. Matched Premise & Account Numbers	541	882	1,003
		3. Account Open on Event Date	540	880	1,001
		4. No Conflicting Assignments	520	856	976
		5. One Device Brand	520	856	976
	Honeywell	1. Raw Data	63	63	71

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Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
		2. Matched Premise & Account Numbers	63	63	71
		3. Account Open on Event Date	63	63	71
		4. No Conflicting Assignments	58	58	65
		5. One Device Brand	58	58	65
	nest	1. Raw Data	3,576	4,570	5,696
		2. Matched Premise & Account Numbers	3,575	4,569	5,694
		3. Account Open on Event Date	3,569	4,559	5,680
		4. No Conflicting Assignments	3,527	4,512	5,623
		5. One Device Brand	3,527	4,512	5,623
12/3/2024	ecobee	1. Raw Data	156	156	214
		2. Matched Premise & Account Numbers	151	151	208
		3. Account Open on Event Date	151	151	208
		4. No Conflicting Assignments	144	144	200
		5. One Device Brand	144	144	200
	Sensi	1. Raw Data	53	53	56
		2. Matched Premise & Account Numbers	53	53	56
		3. Account Open on Event Date	53	53	56
		4. No Conflicting Assignments	47	47	50
		5. One Device Brand	47	47	50
	nest	1. Raw Data	309	309	360
		2. Matched Premise & Account Numbers	299	299	348
		3. Account Open on Event Date	297	297	346
		4. No Conflicting Assignments	287	287	333
		5. One Device Brand	287	287	333
12/5/2024	ecobee	1. Raw Data	156	156	214
		2. Matched Premise & Account Numbers	151	151	208
		3. Account Open on Event Date	151	151	208
		4. No Conflicting Assignments	147	147	204
		5. One Device Brand	147	147	204
	Sensi	1. Raw Data	54	54	57
		2. Matched Premise & Account Numbers	54	54	57
		3. Account Open on Event Date	54	54	57
		4. No Conflicting Assignments	51	51	54
		5. One Device Brand	51	51	54
	nest	1. Raw Data	266	266	310
		2. Matched Premise & Account Numbers	257	257	300

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Event Date	Manufacturer	Status	Total Unique Treatment Records	Total Unique Accounts	Total Unique Device Serial Numbers
		3. Account Open on Event Date	256	256	299
		4. No Conflicting Assignments	253	253	295
		5. One Device Brand	253	253	295

2.2 Accounts Counts by Manufacturer for Ex Post Event Impacts

The numbers of enrolled accounts, the number of accounts in the analysis and the matched accounts are summarized in the table below.

Table 2-2 Account Count by Manufacturer and Event for Ex Post Impacts

Manufacturer	Event	Total Number of Enrolled Accounts	Total Accounts to Apply Analysis Results To	Total Accounts Matched	Per Account Impacts	Total Event Season Impact
Nest	Event 1: 5/21/2024	30,899	1,973	1,835	1.15	2,263
	Event 2: 6/13/2024	31,071	30,291	28,820	0.89	26,927
	Event 3: 6/17/2024	31,102	3,726	3,562	1.37	5,109
	Event 4: 6/21/2024	31,000	29,383	5,623	0.84	24,736
	Event 5: 6/25/2024	31,005	3,695	3,536	1.43	5,295
	Event 6: 7/15/2024	31,156	3,644	3,555	1.38	5,037
	Event 7: 7/16/2024	31,149	29,453	28,654	0.41	11,972
	Event 8: 7/30/2024	31,306	29,657	7,217	0.90	26,641
	Event 9: 7/31/2024	31,298	3,625	3,547	1.33	4,811
	Event 10: 8/5/2024	31,667	3,616	3,543	1.27	4,603
	Event 11: 8/6/2024	31,657	3,615	3,539	1.22	4,412
	Event 12: 8/16/2024	31,730	29,787	29,016	0.87	25,922
	Event 13: 8/29/2024	31,672	3,569	3,486	1.35	4,804
	Event 14: 12/3/2024	31,347	297	284	1.38	411
	Event 15: 12/5/2024	29,241	256	250	0.75	192
ecobee	Event 1: 5/21/2024	11,086	585	520	1.16	677
	Event 2: 6/13/2024	11,113	10,920	10,315	0.93	10,150
	Event 3: 6/17/2024	11,106	1,166	1,090	1.27	1,485
	Event 4: 6/21/2024	11,088	9,986	3,152	0.57	5,655
	Event 5: 6/25/2024	11,117	1,162	1,096	1.30	1,508
	Event 6: 7/15/2024	11,150	1,153	1,103	1.34	1,546
	Event 7: 7/16/2024	11,147	10,010	9,631	0.48	4,762
	Event 8: 7/30/2024	11,193	10,063	3,224	0.51	5,160
	Event 9: 7/31/2024	11,185	1,146	1,103	1.34	1,530
	Event 10: 8/5/2024	11,279	1,144	1,101	1.25	1,428
	Event 11: 8/6/2024	11,278	1,140	1,099	1.15	1,311

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Manufacturer	Event	Total Number of Enrolled Accounts	Total Accounts to Apply Analysis Results To	Total Accounts Matched	Per Account Impacts	Total Event Season Impact
	Event 12: 8/16/2024	11,281	10,075	9,700	0.86	8,680
	Event 13: 8/29/2024	11,253	1,137	1,089	1.29	1,470
	Event 14: 12/3/2024	11,217	151	143	1.94	293
	Event 15: 12/5/2024	11,338	151	146	1.24	188
Sensi	Event 1: 5/21/2024	7,878	370	328	0.96	355
	Event 2: 6/13/2024	7,838	7,509	7,066	0.88	6,587
	Event 3: 6/17/2024	7,783	567	522	1.13	638
	Event 4: 6/21/2024	7,756	6,578	3,100	0.95	6,268
	Event 5: 6/25/2024	7,685	563	528	1.28	723
	Event 6: 7/15/2024	7,630	554	523	1.18	651
	Event 7: 7/16/2024	7,623	6,345	6,068	0.31	1,968
	Event 8: 7/30/2024	7,615	6,444	3,088	0.65	4,205
	Event 9: 7/31/2024	7,604	545	519	1.06	580
	Event 10: 8/5/2024	7,627	543	516	1.12	606
	Event 11: 8/6/2024	7,618	541	511	1.00	539
	Event 12: 8/16/2024	7,618	6,318	6,035	0.85	5,399
	Event 13: 8/29/2024	7,568	540	506	1.20	647
	Event 14: 12/3/2024	7,375	53	45	-0.42	-22
	Event 15: 12/5/2024	7,373	54	49	0.70	38
Honeywell	Event 1: 5/21/2024	478	2	0	0.00	0
	Event 2: 6/13/2024	527	519	479	0.97	502
	Event 3: 6/17/2024	542	65	59	1.37	89
	Event 4: 6/21/2024	541	279	249	0.91	255
	Event 5: 6/25/2024	554	64	60	1.09	70
	Event 6: 7/15/2024	562	64	61	1.34	86
	Event 7: 7/16/2024	562	286	258	0.43	122
	Event 8: 7/30/2024	566	301	277	1.13	339
	Event 9: 7/31/2024	565	64	60	1.56	100
	Event 10: 8/5/2024	616	63	59	1.26	79
	Event 11: 8/6/2024	616	62	58	0.98	61
	Event 12: 8/16/2024	629	384	351	0.98	378
	Event 13: 8/29/2024	628	63	58	1.29	81
	Event 14: 12/3/2024	659	0	0	0.00	0
	Event 15: 12/5/2024	674	0	0	0.00	0

Residential Demand Response Impact Analysis Details

2.3 Account Counts and Treatment Effects for Energy Optimization

Table 2-3 Energy Optimization Participant Counts and Treatment Effects

Date	Number of Control Customers	Number of Treatment Customers	Full Treatment Group			Number of Treatment Customer Included in Savings Analysis	Included in Savings Analysis			Impacts			Impact as a % of Baseline Daily Consumption
			Total Treatment Group Baseline Daily Consumption (kWh)	Total Treatment Group Actual Daily Consumption (kWh)	Total Treatment Group Daily Impact (kWh)		Total Treatment Group Baseline Daily Consumption (kWh)	Total Treatment Group Actual Daily Consumption (kWh)	Total Treatment Group Daily Impact (kWh)	Average Treatment Group Baseline Daily Consumption (kWh)	Average Treatment Group Actual Daily Consumption (kWh)	Average Treatment Group Daily Impact (kWh)	
6/3/2024	1,519	6,878	301,901	294,396	7,506	5,364	235,446	229,593	5,854	43.89	42.80	1.09	2%
6/4/2024	1,520	6,878	296,182	288,677	7,506	5,365	231,029	225,175	5,855	43.06	41.97	1.09	3%
6/5/2024	1,524	6,875	275,294	267,792	7,502	5,359	214,589	208,741	5,848	40.04	38.95	1.09	3%
6/6/2024	1,523	6,873	268,217	260,717	7,500	5,361	209,212	203,361	5,850	39.02	37.93	1.09	3%
6/7/2024	1,523	6,858	275,923	268,439	7,484	5,363	215,774	209,921	5,852	40.23	39.14	1.09	3%
6/10/2024	1,519	6,858	228,196	220,712	7,484	5,349	177,985	172,148	5,837	33.27	32.18	1.09	3%
6/11/2024	1,520	6,861	240,456	232,969	7,487	5,352	187,570	181,730	5,840	35.05	33.96	1.09	3%
6/12/2024	1,523	6,855	305,011	297,531	7,481	5,337	237,468	231,644	5,824	44.49	43.40	1.09	2%
6/14/2024	1,519	6,857	367,921	360,438	7,483	5,354	287,275	281,433	5,843	53.66	52.56	1.09	2%
6/17/2024	1,689	6,080	357,884	351,249	6,635	4,617	271,768	266,730	5,038	58.86	57.77	1.09	2%
6/18/2024	1,675	6,644	339,183	331,933	7,250	5,158	263,321	257,693	5,629	51.05	49.96	1.09	2%
6/19/2024	1,515	6,808	372,612	365,182	7,429	5,315	290,898	285,098	5,800	54.73	53.64	1.09	2%
6/20/2024	1,513	6,813	372,555	365,120	7,435	5,312	290,476	284,679	5,797	54.68	53.59	1.09	2%
6/24/2024	1,503	6,788	397,384	389,977	7,407	5,307	310,683	304,892	5,791	58.54	57.45	1.09	2%
6/25/2024	1,680	6,062	388,166	381,551	6,615	4,619	295,767	290,726	5,041	64.03	62.94	1.09	2%
6/26/2024	1,492	6,732	277,205	269,859	7,346	5,251	216,221	210,491	5,730	41.18	40.09	1.09	3%
6/27/2024	1,490	6,722	316,467	309,131	7,335	5,266	247,919	242,173	5,747	47.08	45.99	1.09	2%
6/28/2024	1,483	6,705	316,590	309,273	7,317	5,262	248,456	242,714	5,742	47.22	46.13	1.09	2%
7/1/2024	1,487	6,698	227,558	220,249	7,309	5,242	178,092	172,372	5,720	33.97	32.88	1.09	3%
7/2/2024	1,487	6,699	316,715	309,405	7,310	5,243	247,878	242,157	5,721	47.28	46.19	1.09	2%
7/3/2024	1,487	6,699	311,219	303,908	7,310	5,235	243,205	237,492	5,713	46.46	45.37	1.09	2%
7/4/2024	1,481	6,701	355,610	348,297	7,313	5,244	278,290	272,567	5,723	53.07	51.98	1.09	2%
7/5/2024	1,485	6,691	317,165	309,863	7,302	5,232	248,006	242,296	5,709	47.40	46.31	1.09	2%
7/8/2024	1,488	6,694	276,594	269,289	7,305	5,256	217,176	211,440	5,736	41.32	40.23	1.09	3%
7/9/2024	1,488	6,696	218,843	211,536	7,307	5,258	171,845	166,107	5,738	32.68	31.59	1.09	3%
7/10/2024	1,483	6,697	287,530	280,222	7,308	5,252	225,490	219,759	5,731	42.93	41.84	1.09	3%

Date	Number of Control Customers	Number of Treatment Customers	Full Treatment Group			Number of Treatment Customer Included in Savings Analysis	Included in Savings Analysis			Impacts			Impact as a % of Baseline Daily Consumption
			Total Treatment Group Baseline Daily Consumption (kWh)	Total Treatment Group Actual Daily Consumption (kWh)	Total Treatment Group Daily Impact (kWh)		Total Treatment Group Baseline Daily Consumption (kWh)	Total Treatment Group Actual Daily Consumption (kWh)	Total Treatment Group Daily Impact (kWh)	Average Treatment Group Baseline Daily Consumption (kWh)	Average Treatment Group Actual Daily Consumption (kWh)	Average Treatment Group Daily Impact (kWh)	
7/11/2024	1,483	6,698	309,365	302,055	7,309	5,240	242,023	236,305	5,718	46.19	45.10	1.09	2%
7/12/2024	1,486	6,688	325,004	317,706	7,298	5,224	253,861	248,160	5,701	48.60	47.50	1.09	2%
7/15/2024	1,676	5,949	384,919	378,427	6,492	4,544	294,011	289,052	4,959	64.70	63.61	1.09	2%
7/17/2024	1,493	6,669	295,054	287,776	7,278	5,225	231,167	225,466	5,702	44.24	43.15	1.09	2%
7/18/2024	1,494	6,707	261,483	254,164	7,319	5,261	205,108	199,367	5,741	38.99	37.90	1.09	3%
7/19/2024	1,487	6,716	251,106	243,777	7,329	5,274	197,191	191,436	5,755	37.39	36.30	1.09	3%
7/22/2024	1,479	6,713	277,758	270,432	7,326	5,257	217,514	211,778	5,737	41.38	40.28	1.09	3%
7/23/2024	1,479	6,715	302,144	294,816	7,328	5,258	236,586	230,848	5,738	45.00	43.90	1.09	2%
7/24/2024	1,487	6,696	331,626	324,319	7,307	5,254	260,209	254,476	5,733	49.53	48.43	1.09	2%
7/25/2024	1,493	6,691	332,758	325,456	7,302	5,259	261,541	255,802	5,739	49.73	48.64	1.09	2%
7/26/2024	1,484	6,710	330,062	322,739	7,322	5,257	258,589	252,853	5,737	49.19	48.10	1.09	2%
7/29/2024	1,482	6,717	338,817	331,487	7,330	5,270	265,828	260,077	5,751	50.44	49.35	1.09	2%
7/31/2024	1,662	5,997	332,738	326,194	6,544	4,581	254,173	249,174	4,999	55.48	54.39	1.09	2%
8/1/2024	1,492	6,692	393,885	386,582	7,303	5,232	307,951	302,241	5,709	58.86	57.77	1.09	2%
8/2/2024	1,492	6,686	330,122	322,825	7,296	5,214	257,442	251,752	5,690	49.38	48.28	1.09	2%
8/5/2024	1,671	5,976	355,872	349,351	6,521	4,584	272,978	267,976	5,002	59.55	58.46	1.09	2%
8/6/2024	1,672	5,978	320,600	314,076	6,524	4,585	245,893	240,890	5,003	53.63	52.54	1.09	2%
8/7/2024	1,492	6,679	238,275	230,986	7,289	5,220	186,224	180,528	5,696	35.68	34.58	1.09	3%
8/8/2024	1,491	6,681	265,724	258,433	7,291	5,236	208,252	202,538	5,714	39.77	38.68	1.09	3%
8/9/2024	1,486	6,676	248,693	241,408	7,285	5,237	195,088	189,373	5,715	37.25	36.16	1.09	3%
8/12/2024	1,482	6,685	214,839	207,544	7,295	5,262	169,107	163,365	5,742	32.14	31.05	1.09	3%
8/13/2024	1,482	6,688	232,327	225,029	7,298	5,264	182,860	177,116	5,744	34.74	33.65	1.09	3%
8/14/2024	1,481	6,692	249,176	241,873	7,303	5,255	195,669	189,935	5,735	37.23	36.14	1.09	3%
8/15/2024	1,481	6,694	322,715	315,411	7,305	5,250	253,101	247,372	5,729	48.21	47.12	1.09	2%
8/19/2024	1,489	6,685	276,550	269,255	7,295	5,213	215,655	209,967	5,689	41.37	40.28	1.09	3%
8/20/2024	1,489	6,687	233,950	226,653	7,297	5,215	182,451	176,760	5,691	34.99	33.89	1.09	3%
8/21/2024	1,489	6,689	197,408	190,109	7,299	5,240	154,645	148,926	5,718	29.51	28.42	1.09	4%
8/22/2024	1,487	6,678	203,091	195,803	7,287	5,244	159,480	153,758	5,723	30.41	29.32	1.09	4%
8/23/2024	1,473	6,655	255,261	247,999	7,262	5,236	200,834	195,120	5,714	38.36	37.27	1.09	3%
8/26/2024	1,481	6,650	392,366	385,109	7,257	5,239	309,114	303,397	5,717	59.00	57.91	1.09	2%
8/27/2024	1,481	6,650	429,994	422,737	7,257	5,242	338,951	333,231	5,720	64.66	63.57	1.09	2%

Date	Number of Control Customers	Number of Treatment Customers	Full Treatment Group			Number of Treatment Customer Included in Savings Analysis	Included in Savings Analysis			Impacts			Impact as a % of Baseline Daily Consumption
			Total Treatment Group Baseline Daily Consumption (kWh)	Total Treatment Group Actual Daily Consumption (kWh)	Total Treatment Group Daily Impact (kWh)		Total Treatment Group Baseline Daily Consumption (kWh)	Total Treatment Group Actual Daily Consumption (kWh)	Total Treatment Group Daily Impact (kWh)	Average Treatment Group Baseline Daily Consumption (kWh)	Average Treatment Group Actual Daily Consumption (kWh)	Average Treatment Group Daily Impact (kWh)	
8/28/2024	1,479	6,652	382,492	375,233	7,259	5,228	300,611	294,906	5,705	57.50	56.41	1.09	2%
8/29/2024	1,638	5,959	339,151	332,648	6,503	4,572	260,211	255,222	4,989	56.91	55.82	1.09	2%
8/30/2024	1,475	6,638	351,601	344,358	7,244	5,229	276,969	271,263	5,706	52.97	51.88	1.09	2%
9/2/2024	1,483	6,630	255,220	247,985	7,235	5,209	200,519	194,834	5,684	38.49	37.40	1.09	3%
9/3/2024	1,483	6,632	197,312	190,075	7,237	5,211	155,035	149,348	5,687	29.75	28.66	1.09	4%
9/4/2024	1,476	6,638	243,029	235,785	7,244	5,220	191,113	185,417	5,696	36.61	35.52	1.09	3%
9/5/2024	1,474	6,643	315,054	307,805	7,249	5,237	248,373	242,658	5,715	47.43	46.34	1.09	2%
9/6/2024	1,475	6,631	257,948	250,712	7,236	5,223	203,177	197,477	5,700	38.90	37.81	1.09	3%
9/9/2024	1,470	6,634	174,722	167,482	7,239	5,252	138,323	132,592	5,731	26.34	25.25	1.09	4%
9/10/2024	1,470	6,643	189,719	182,470	7,249	5,253	150,022	144,289	5,732	28.56	27.47	1.09	4%
9/11/2024	1,470	6,641	228,667	221,420	7,247	5,238	180,358	174,642	5,716	34.43	33.34	1.09	3%
9/12/2024	1,470	6,642	219,725	212,477	7,248	5,230	173,014	167,307	5,707	33.08	31.99	1.09	3%
9/13/2024	1,465	6,631	199,821	192,585	7,236	5,224	157,422	151,721	5,701	30.13	29.04	1.09	4%
9/16/2024	1,471	6,623	251,545	244,317	7,227	5,208	197,802	192,119	5,683	37.98	36.89	1.09	3%
9/17/2024	1,471	6,623	262,501	255,273	7,227	5,208	206,418	200,734	5,683	39.63	38.54	1.09	3%
9/18/2024	1,464	6,628	257,825	250,592	7,233	5,218	202,977	197,283	5,694	38.90	37.81	1.09	3%
9/19/2024	1,462	6,621	281,144	273,919	7,225	5,213	221,357	215,668	5,689	42.46	41.37	1.09	3%
9/20/2024	1,468	6,606	327,474	320,265	7,209	5,187	257,131	251,471	5,660	49.57	48.48	1.09	2%
9/23/2024	1,456	6,614	198,033	190,815	7,218	5,190	155,396	149,732	5,664	29.94	28.85	1.09	4%
9/24/2024	1,456	6,615	183,947	176,728	7,219	5,191	144,349	138,684	5,665	27.81	26.72	1.09	4%
9/25/2024	1,462	6,611	182,858	175,644	7,214	5,201	143,858	138,183	5,676	27.66	26.57	1.09	4%
9/26/2024	1,466	6,602	184,454	177,250	7,204	5,205	145,423	139,743	5,680	27.94	26.85	1.09	4%
9/27/2024	1,468	6,576	166,578	159,402	7,176	5,190	131,469	125,805	5,664	25.33	24.24	1.09	4%
9/30/2024	1,455	6,563	225,780	218,618	7,162	5,193	178,649	172,982	5,667	34.40	33.31	1.09	3%

2.4 Event Day Load Shapes for Treatment and Comparison Groups

2.4.1 ecobee Thermostats

Figure 2-1 ecobee Event Day 2024-05-21
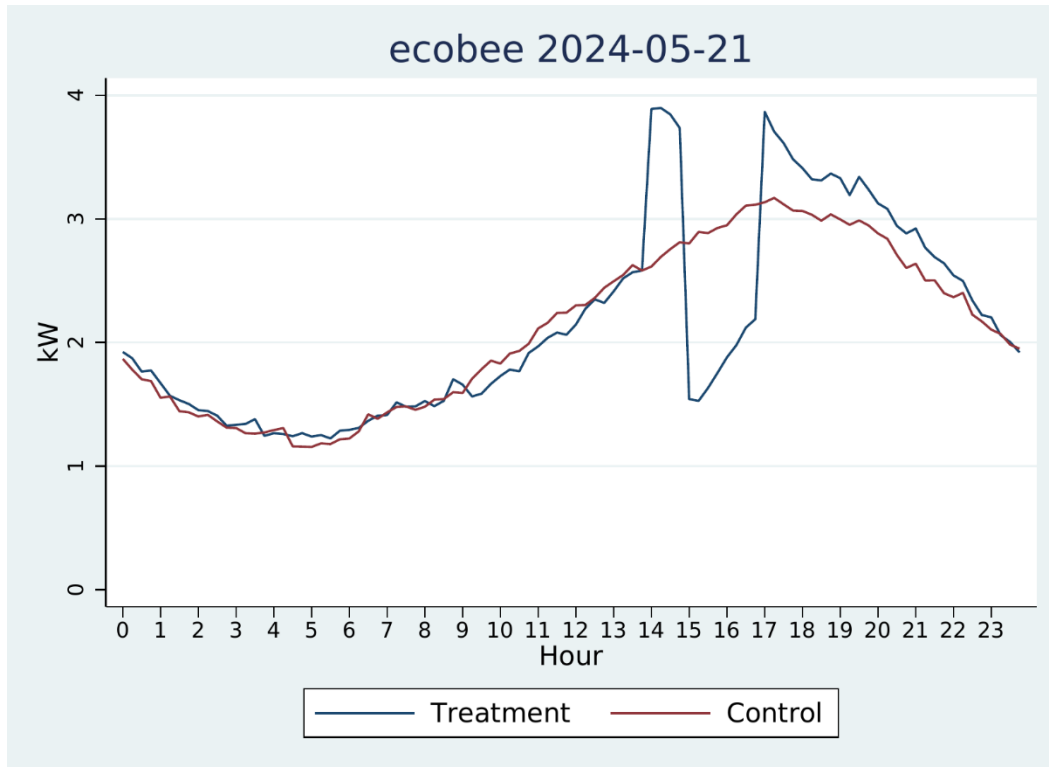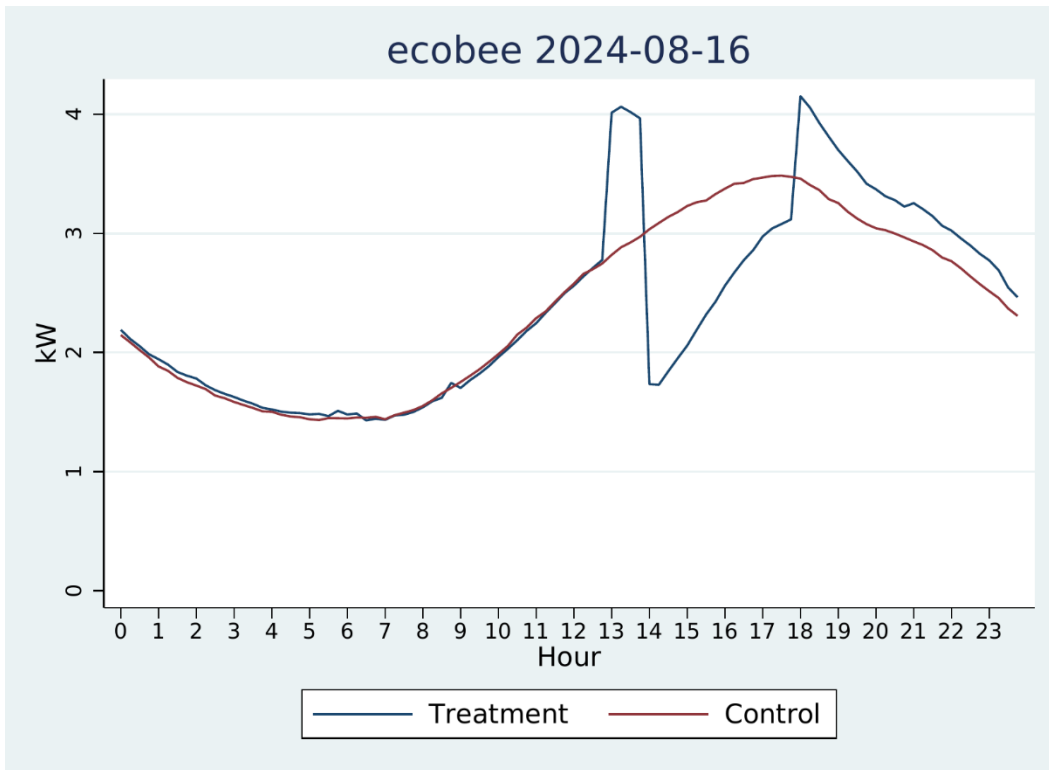
Figure 2-2 ecobee Event Day 2024-06-13
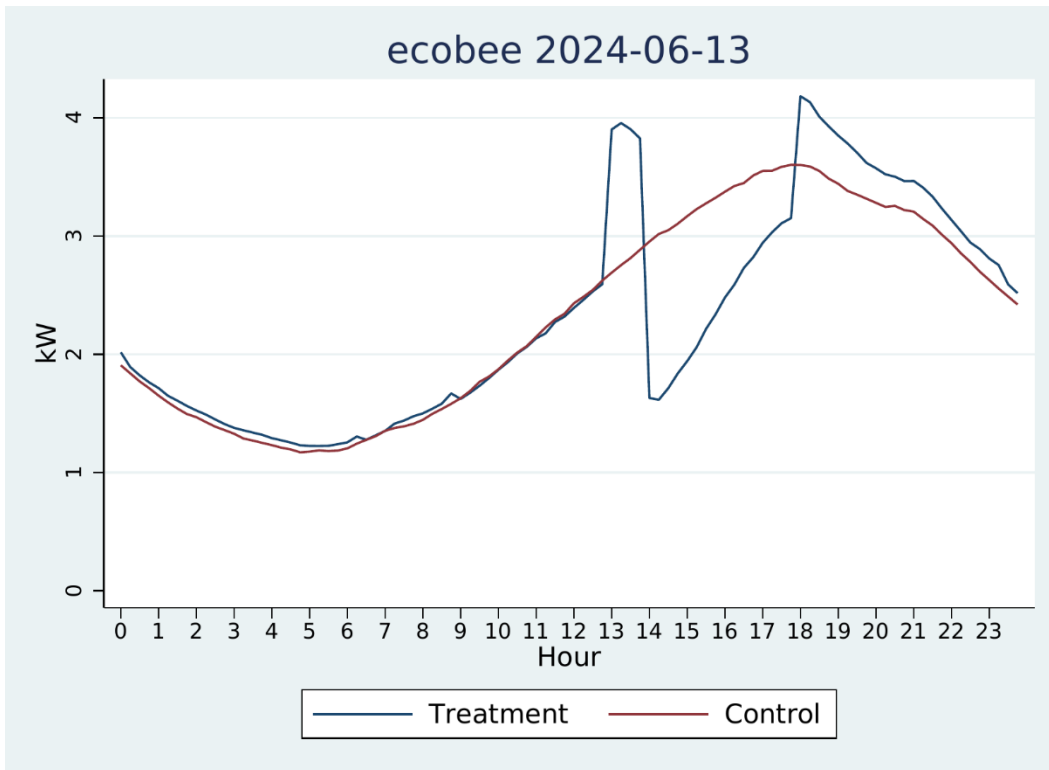
ecobee 2024-06-13

Figure 2-3 ecobee Event Day 2024-06-17

ecobee 2024-06-17
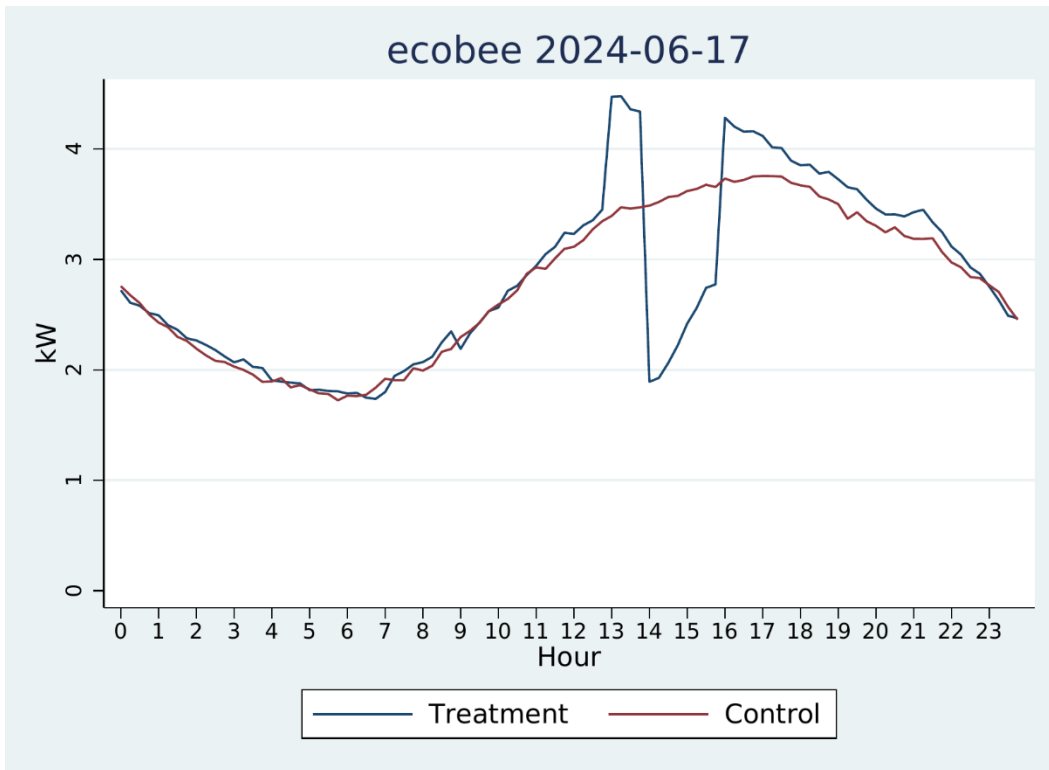
Figure 2-4 ecobee Event Day 2024-06-21
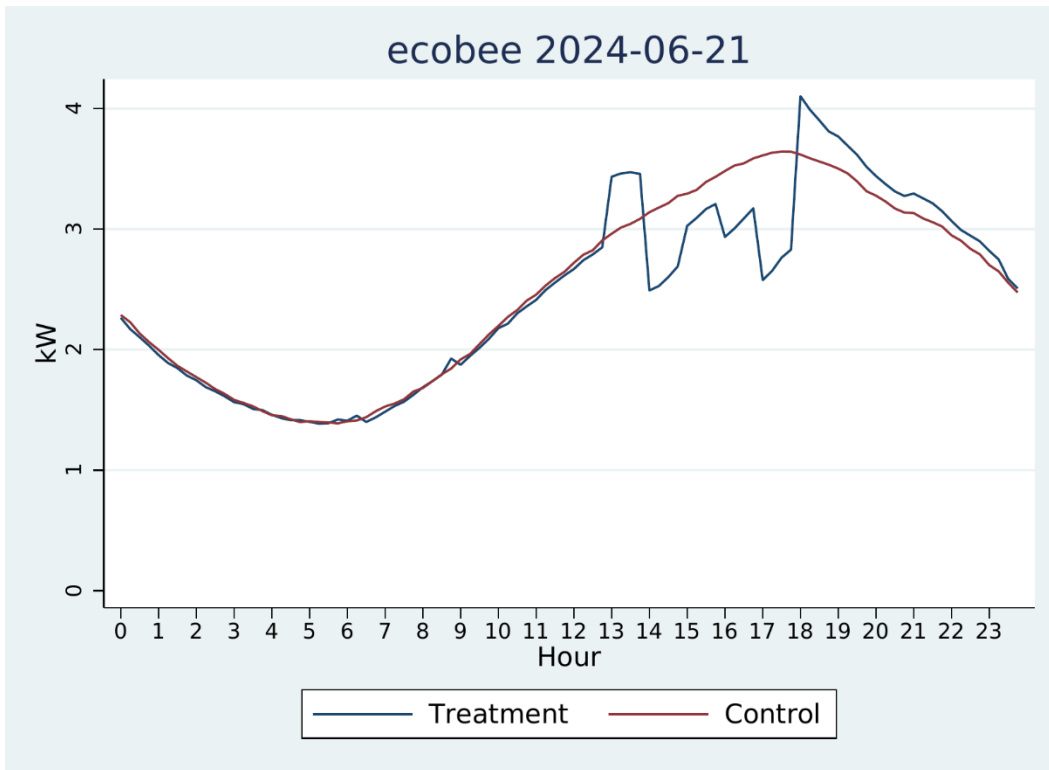
ecobee 2024-06-21

Figure 2-5 ecobee Event Day 2024-06-25

ecobee 2024-06-25
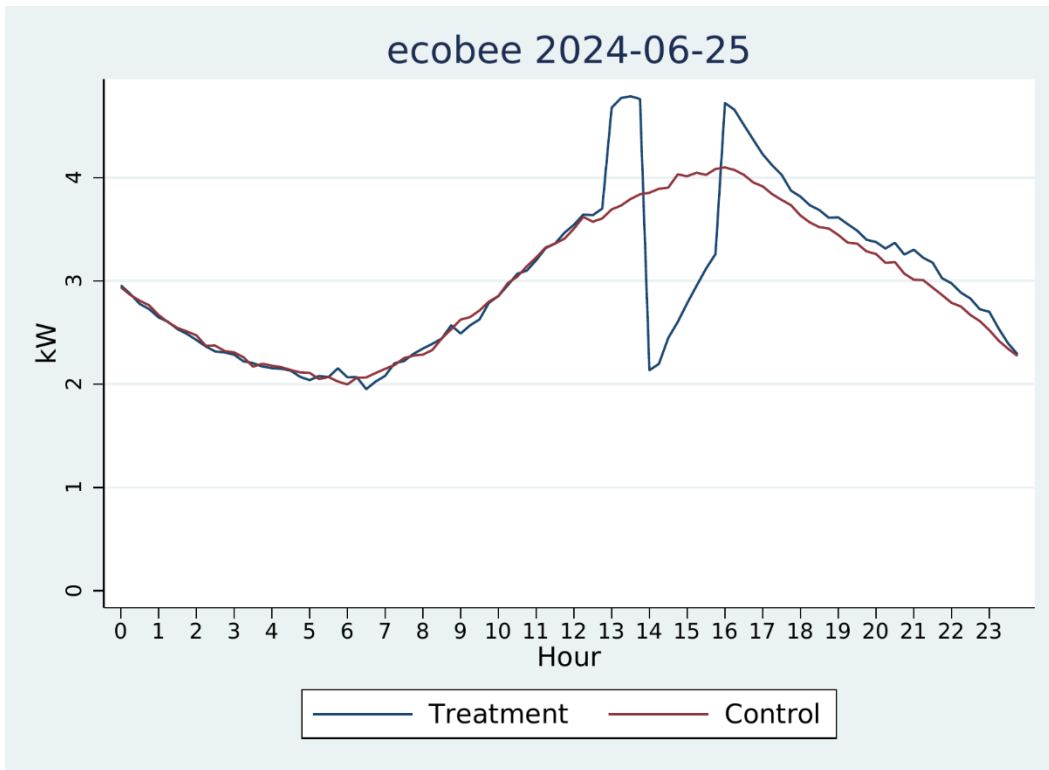
Figure 2-6 ecobee Event Day 2024-07-15
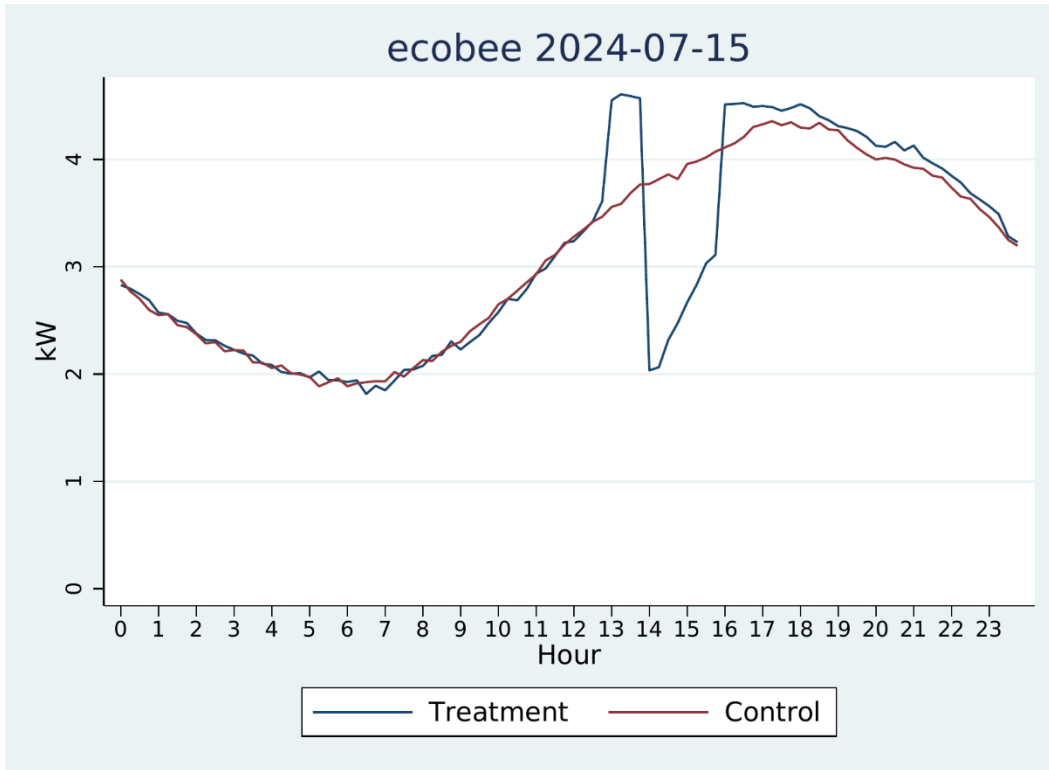
ecobee 2024-07-15

Figure 2-7 ecobee Event Day 2024-07-16
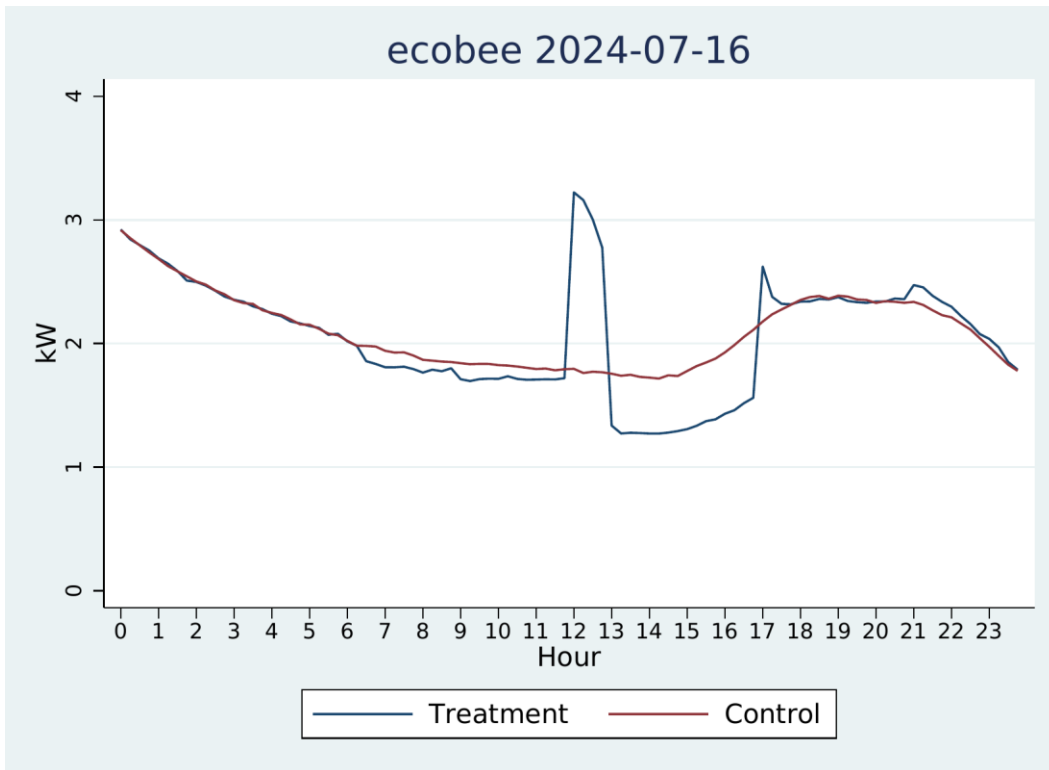
Figure 2-8 ecobee Event Day 2024-07-30
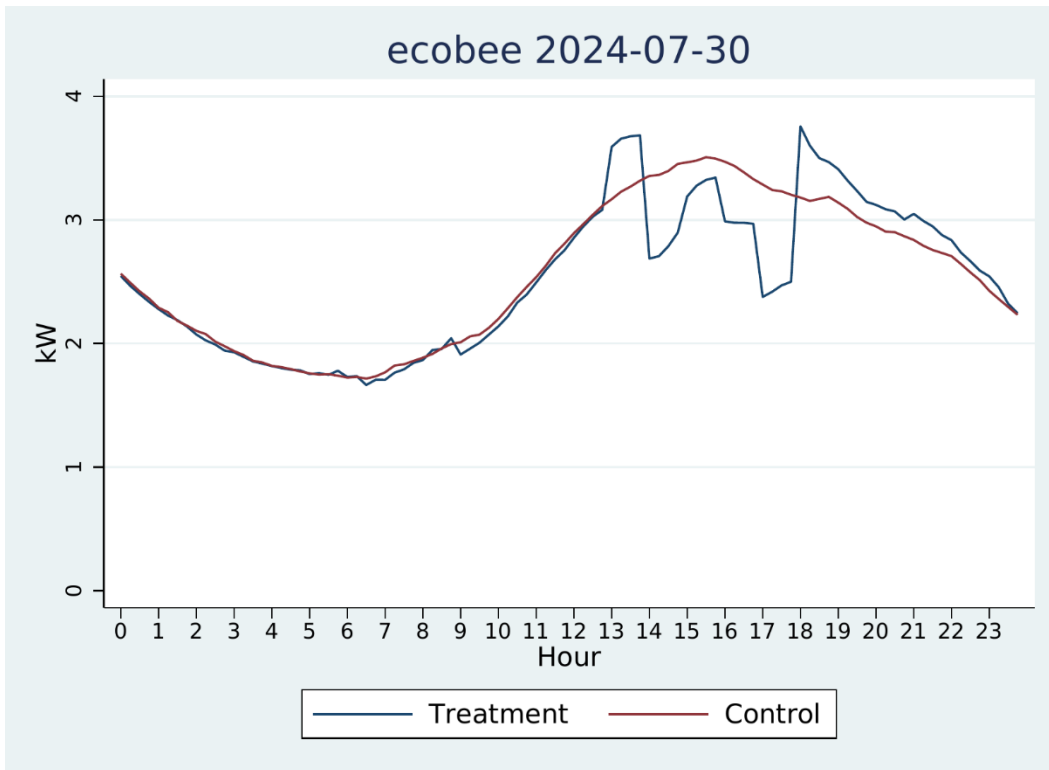
ecobee 2024-07-30

Figure 2-9 ecobee Event Day 2024-07-31

ecobee 2024-07-31
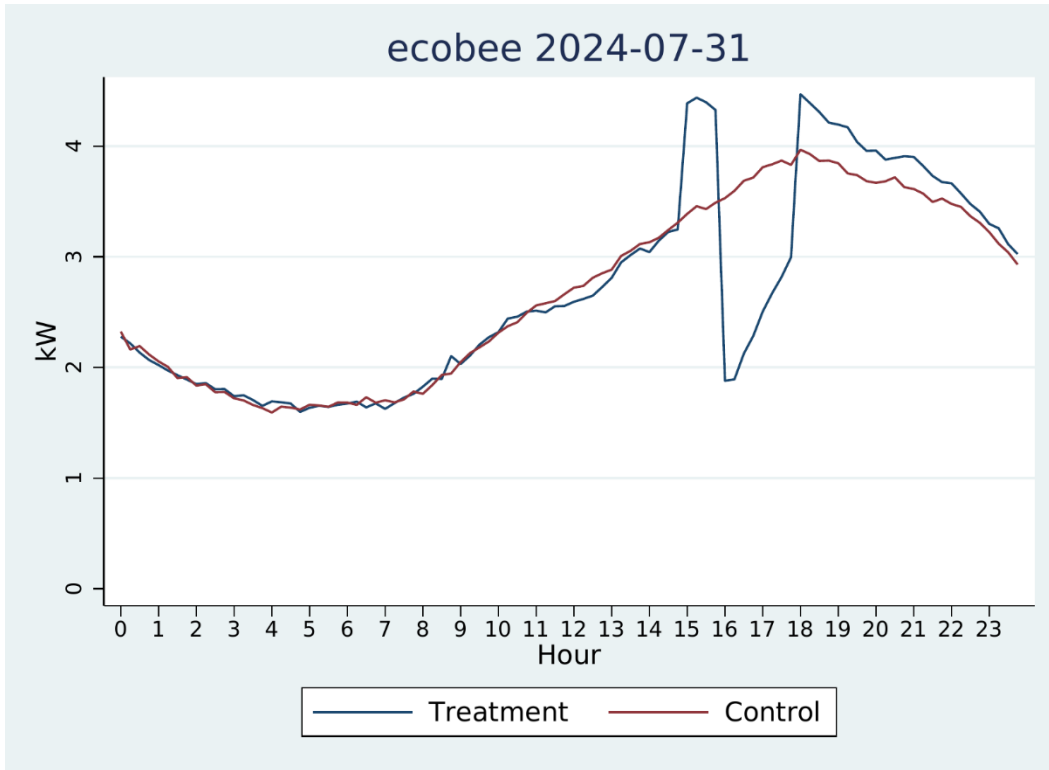
Figure 2-10 ecobee Event Day 2024-08-05
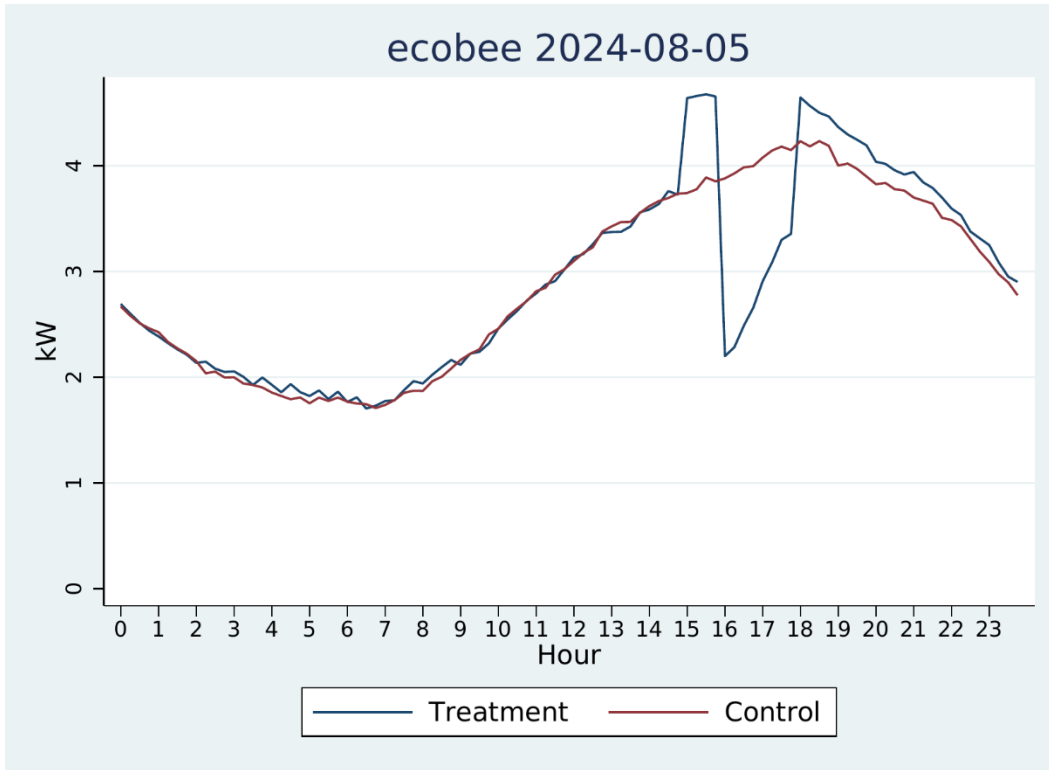
Figure 2-11 ecobee Event Day 2024-08-06

ecobee 2024-08-06
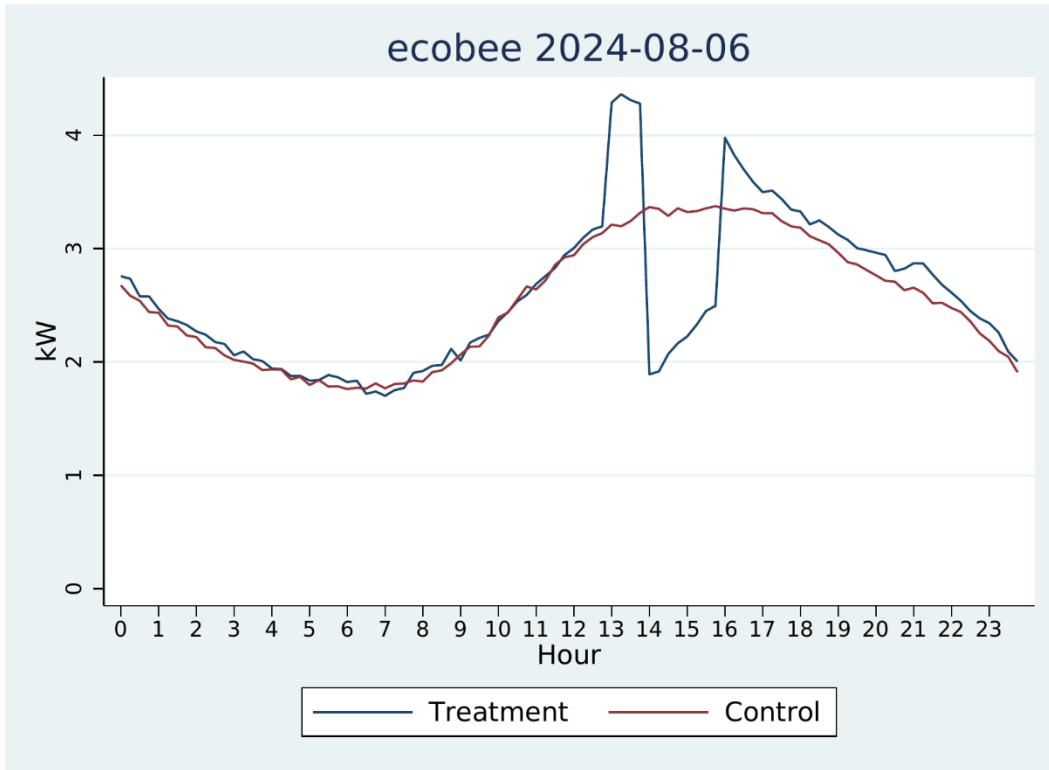
Figure 2-12 ecobee Event Day 2024-08-16

ecobee 2024-08-16

Figure 2-13 ecobee Event Day 2024-08-29

ecobee 2024-08-29
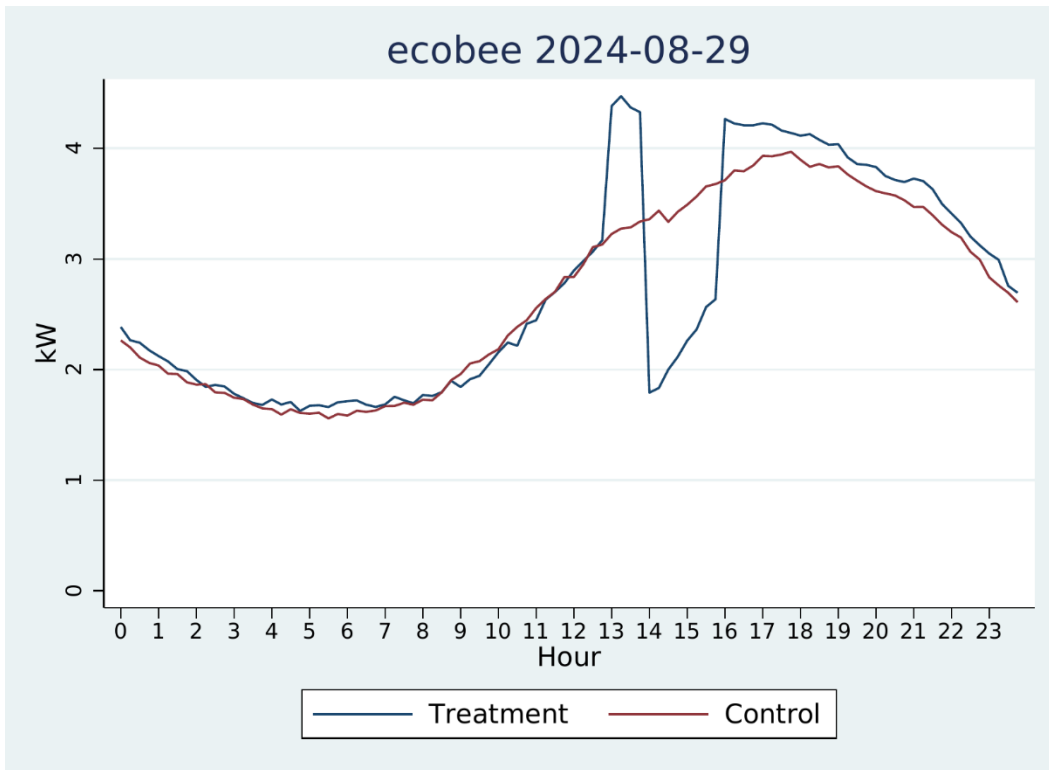
Figure 2-14 ecobee Event Day 2024-12-03
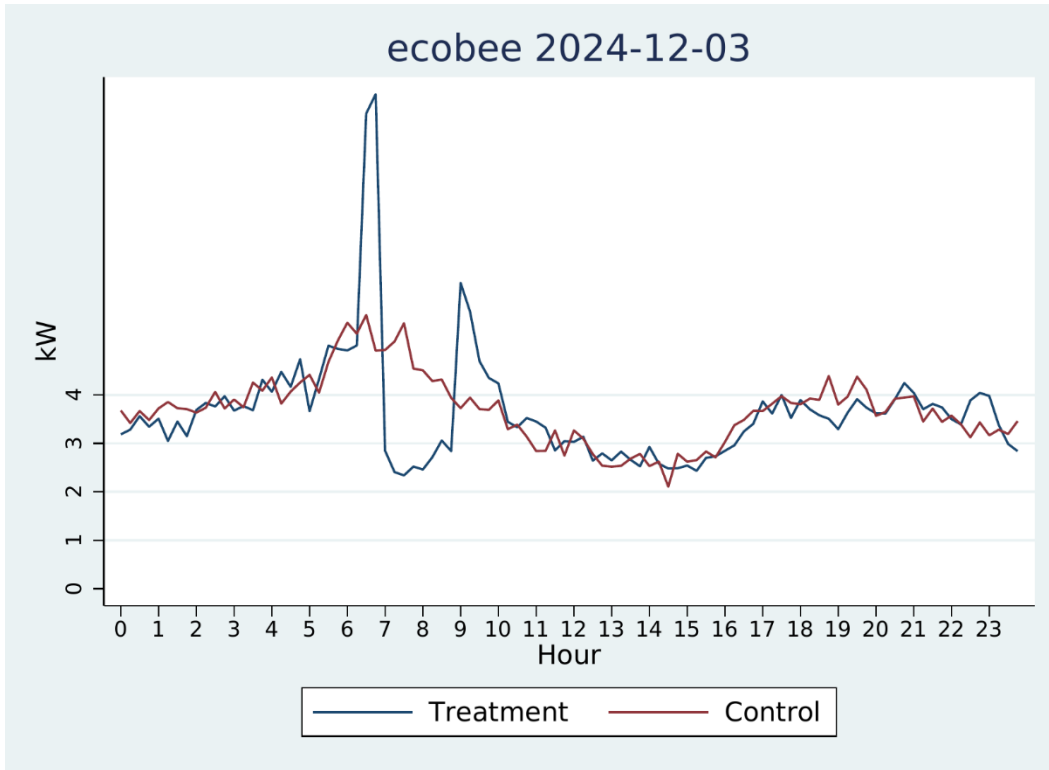
ecobee 2024-12-03

Figure 2-15 ecobee Event Day 2024-12-05
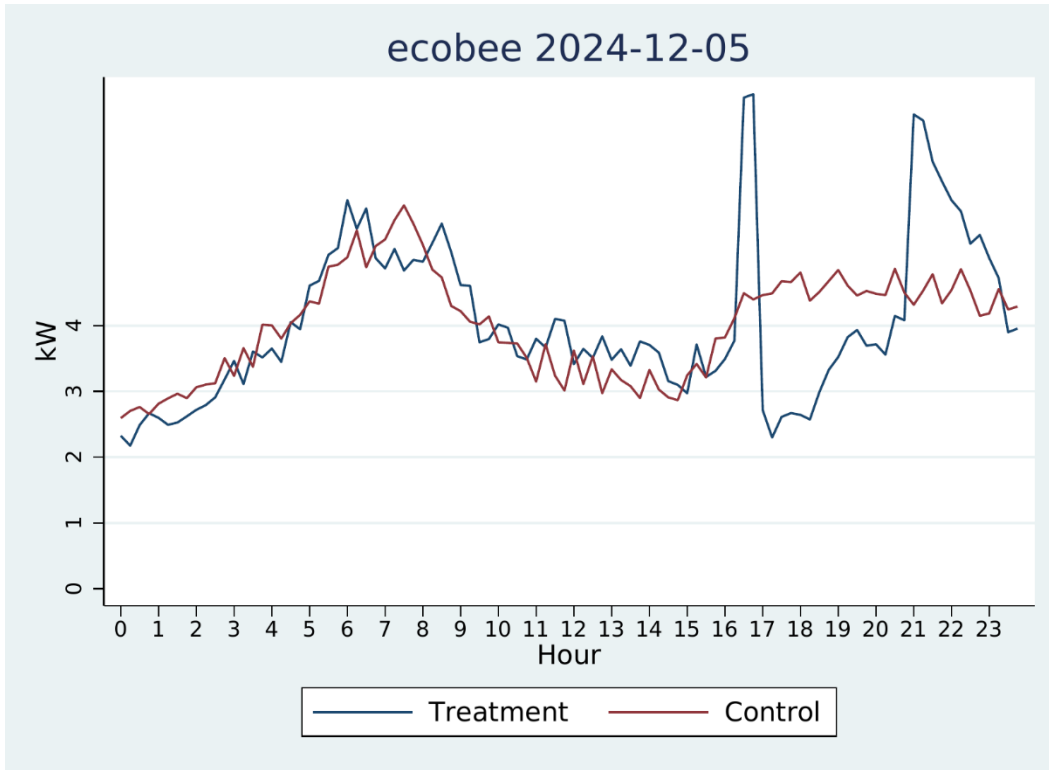
2.4.2 Sensi Thermostats

Figure 2-16 Sensi Event Day 2024-05-21
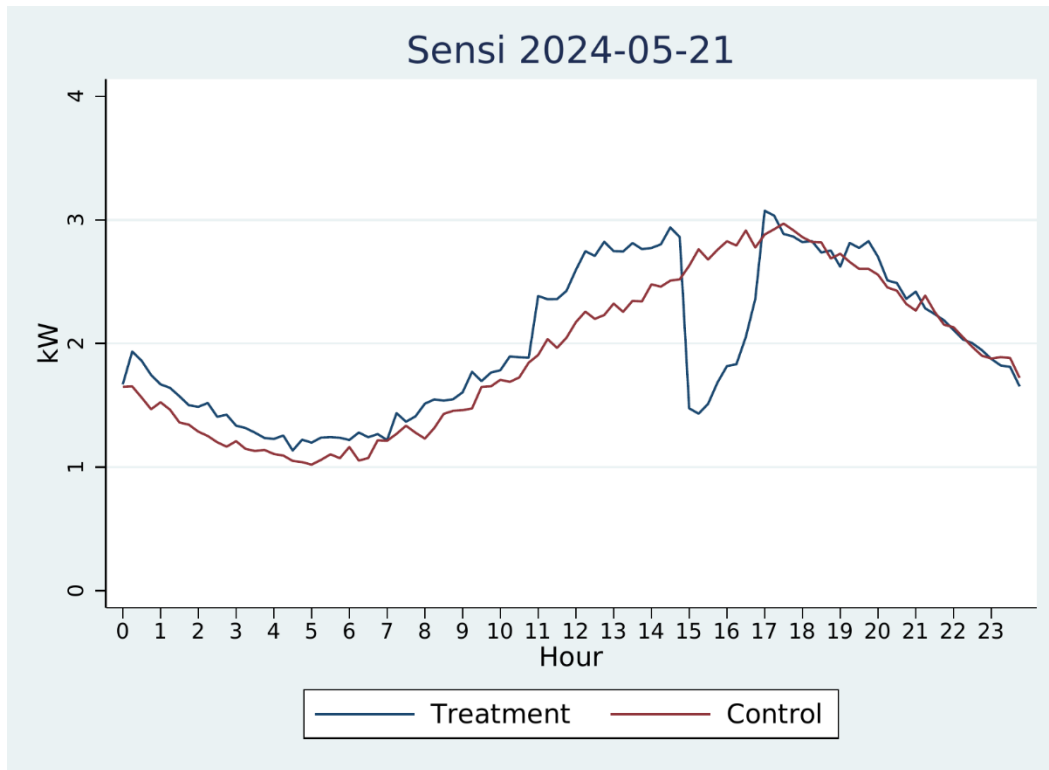
Figure 2-17 Sensi Event Day 2024-06-13
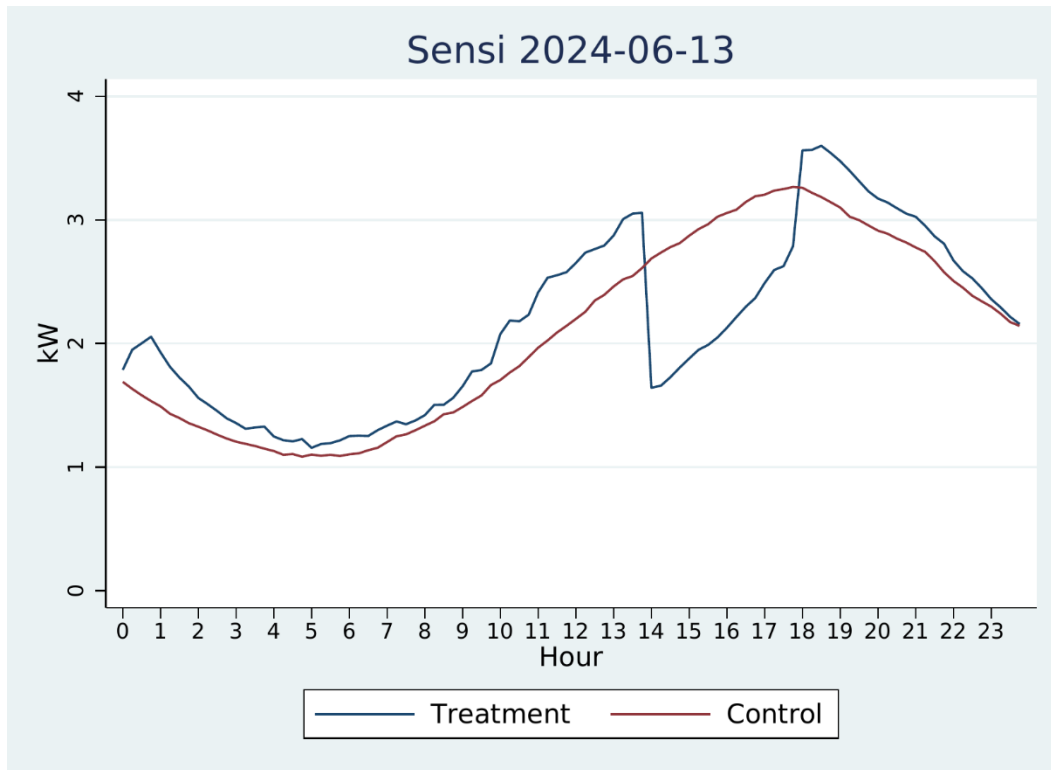
Sensi 2024-06-13

Figure 2-18 Sensi Event Day 2024-06-17

Sensi 2024-06-17
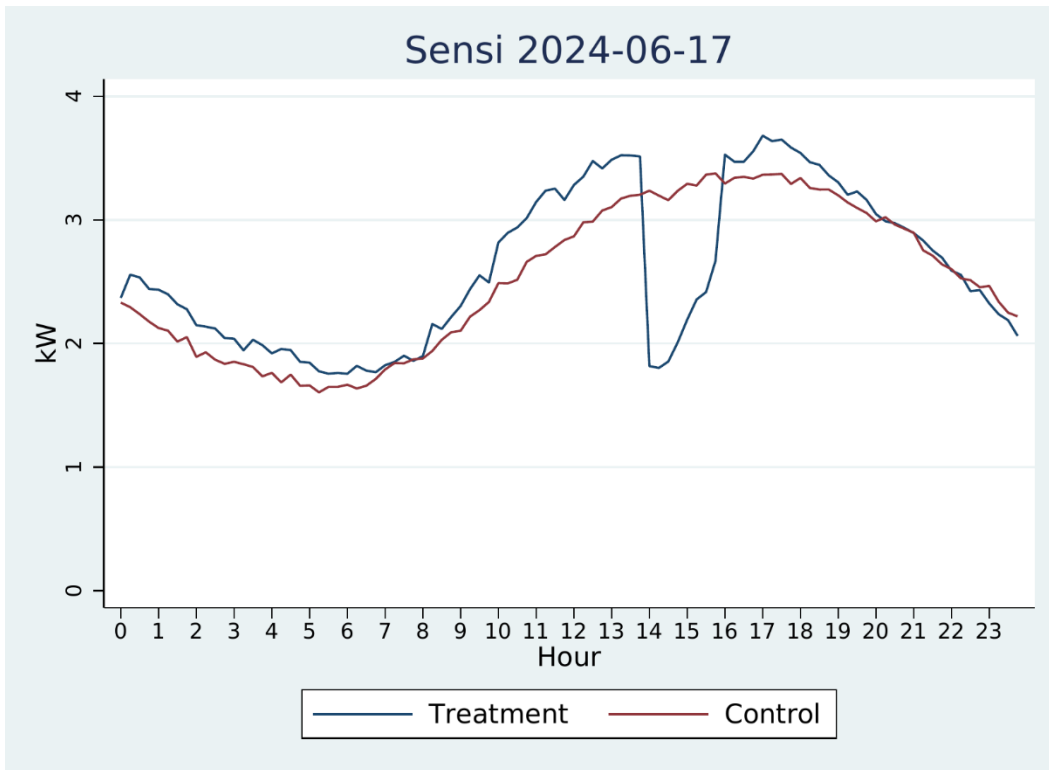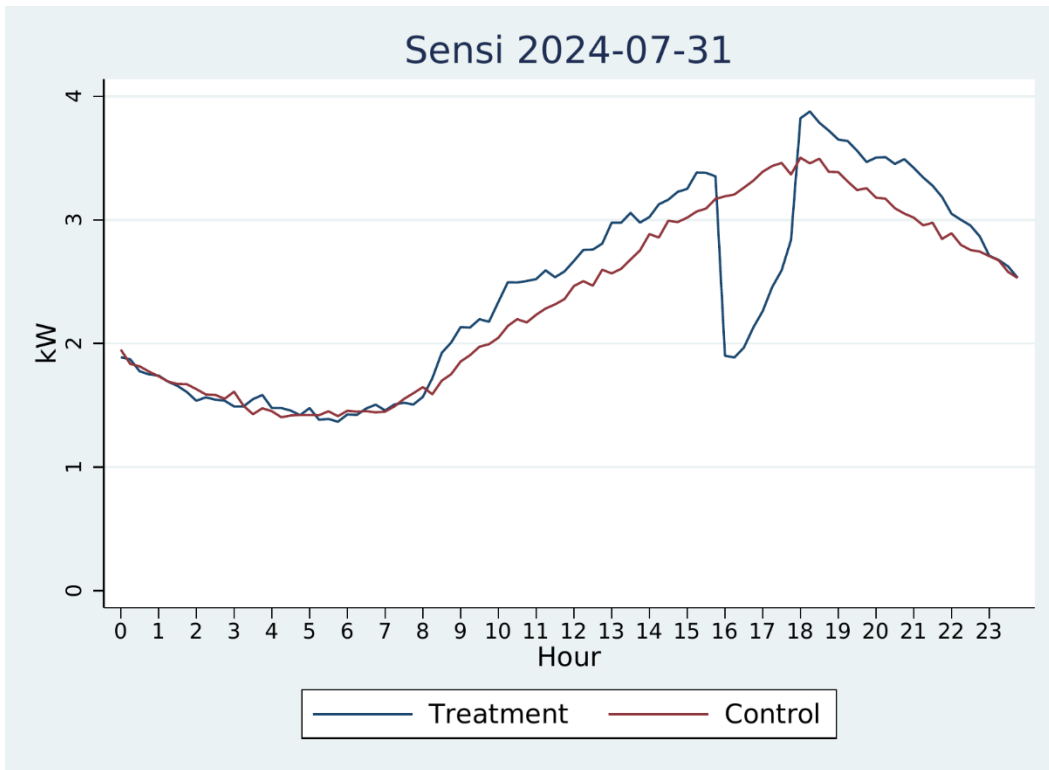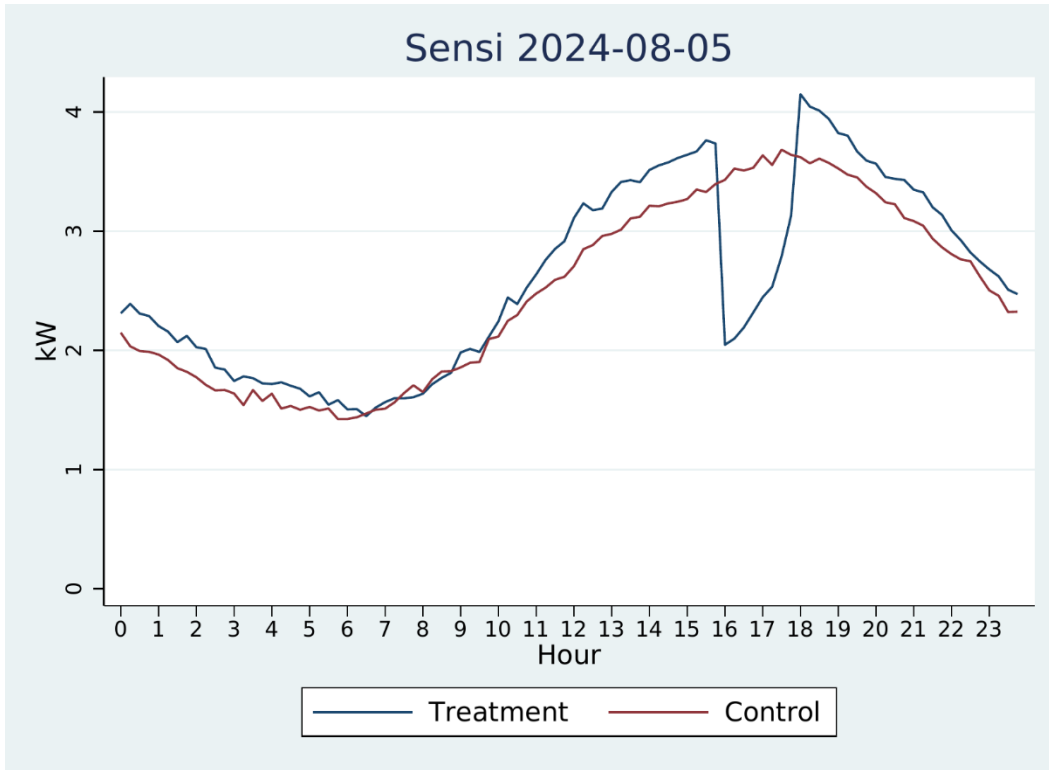
Figure 2-19 Sensi Event Day 2024-06-21
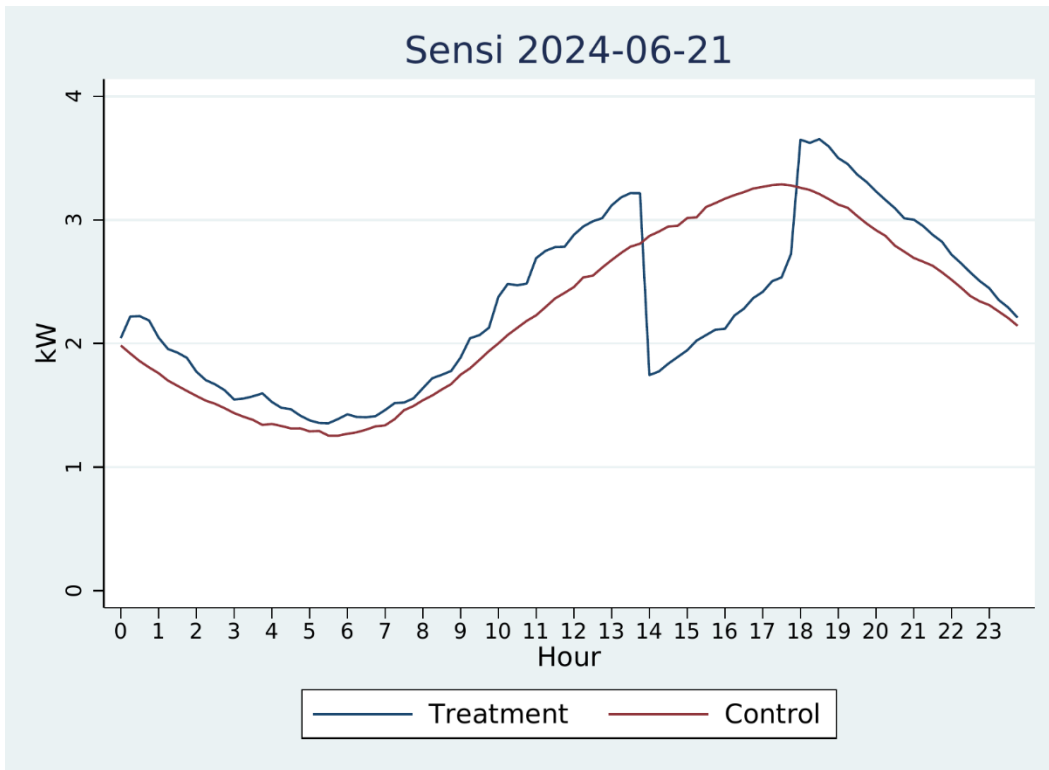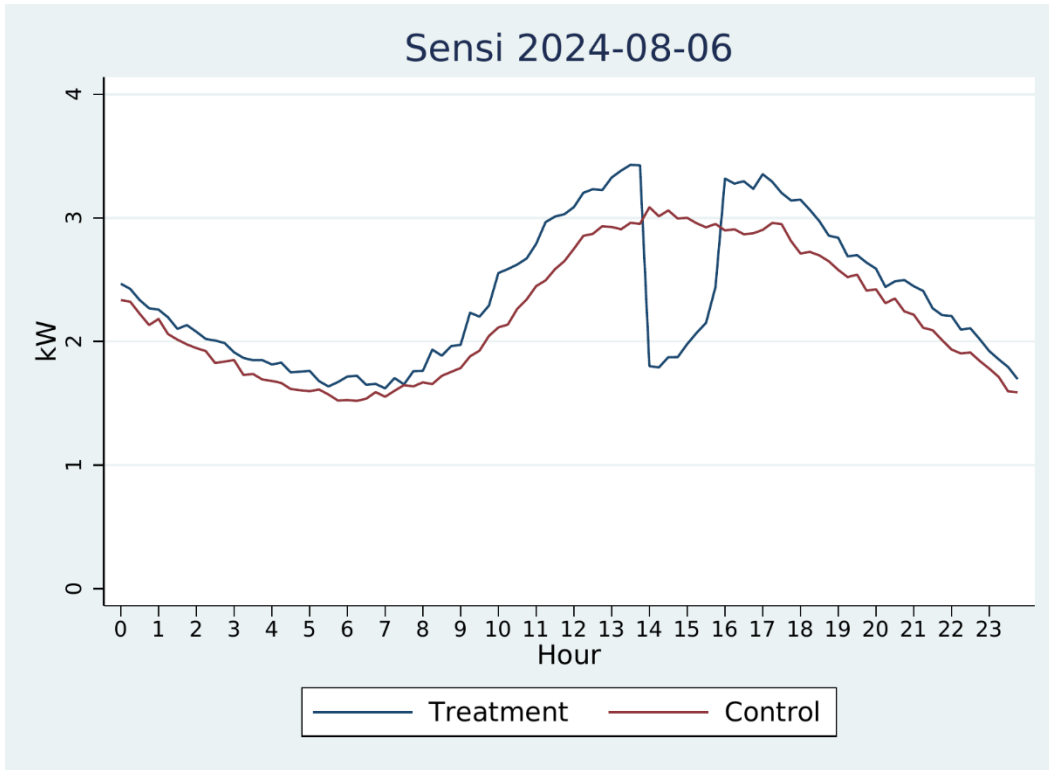

Sensi 2024-06-21

Figure 2-20 Sensi Event Day 2024-06-25

Figure 2-21Sensi Event Day 2024-07-15
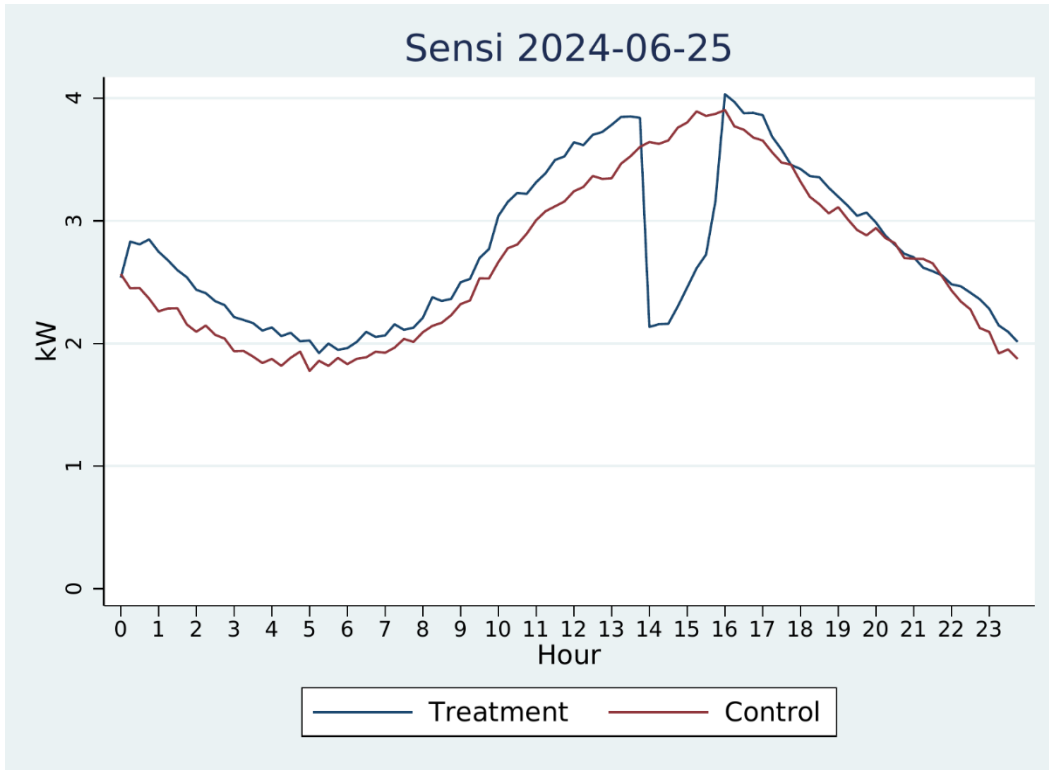
Figure 2-21Sensi Event Day 2024-07-15
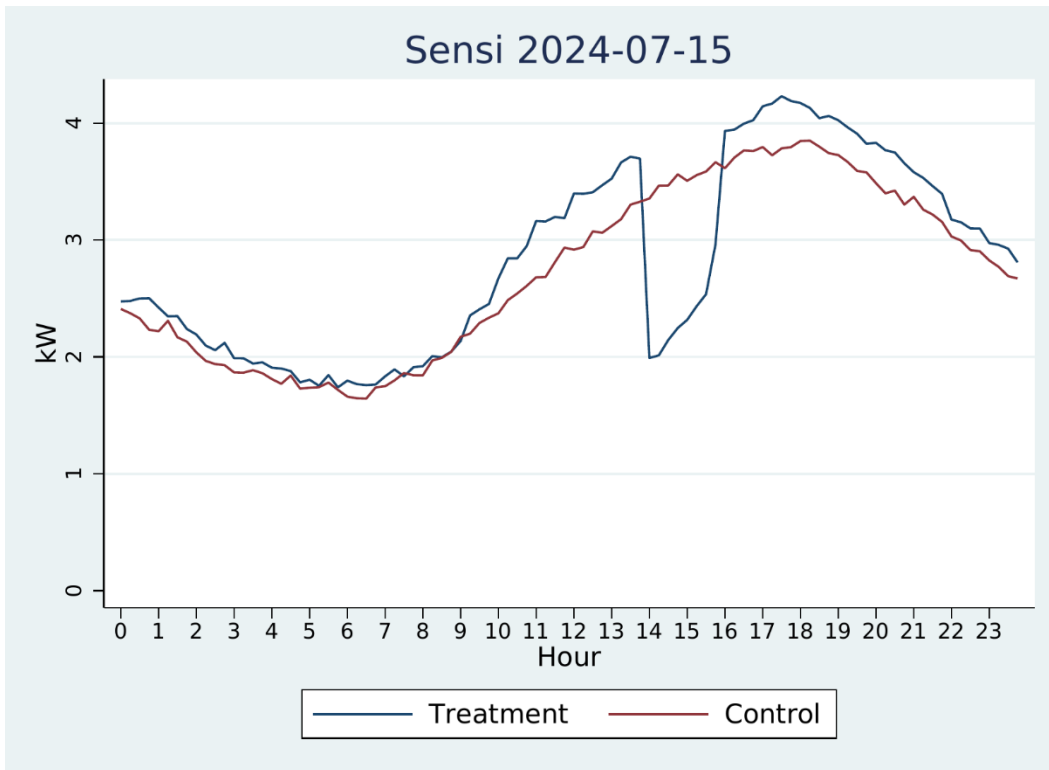
Figure 2-22 Sensi Event Day 2024-07-16

Sensi 2024-07-16
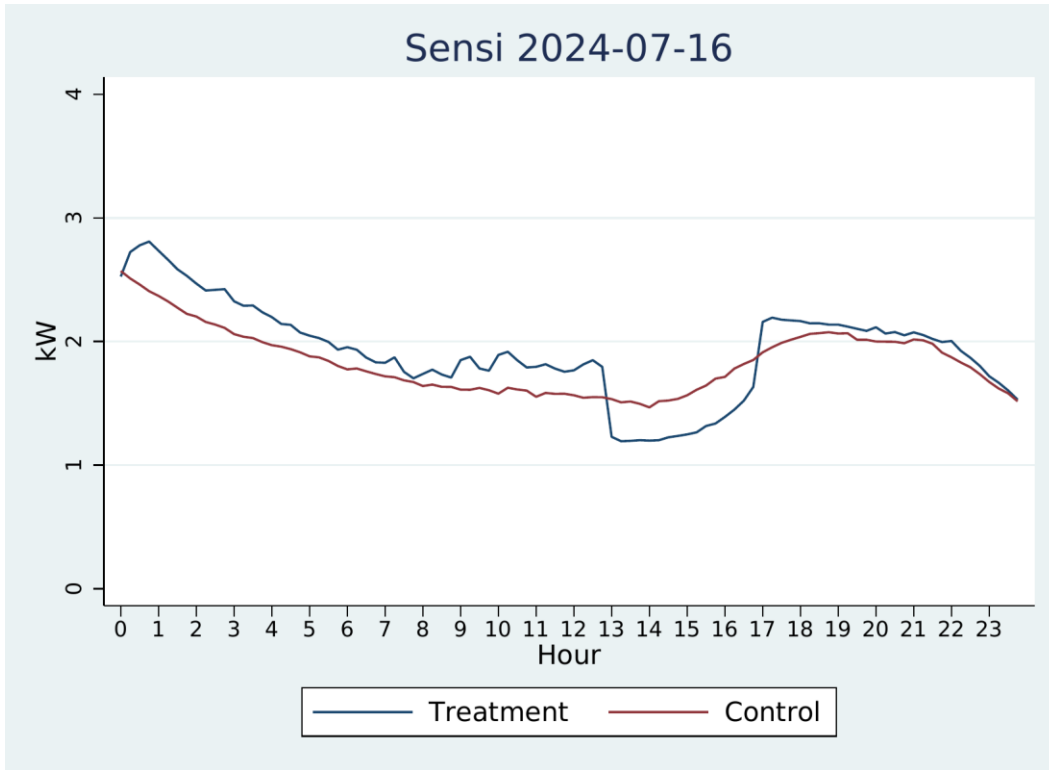
Figure 2-23 Sensi Event Day 2024-07-30
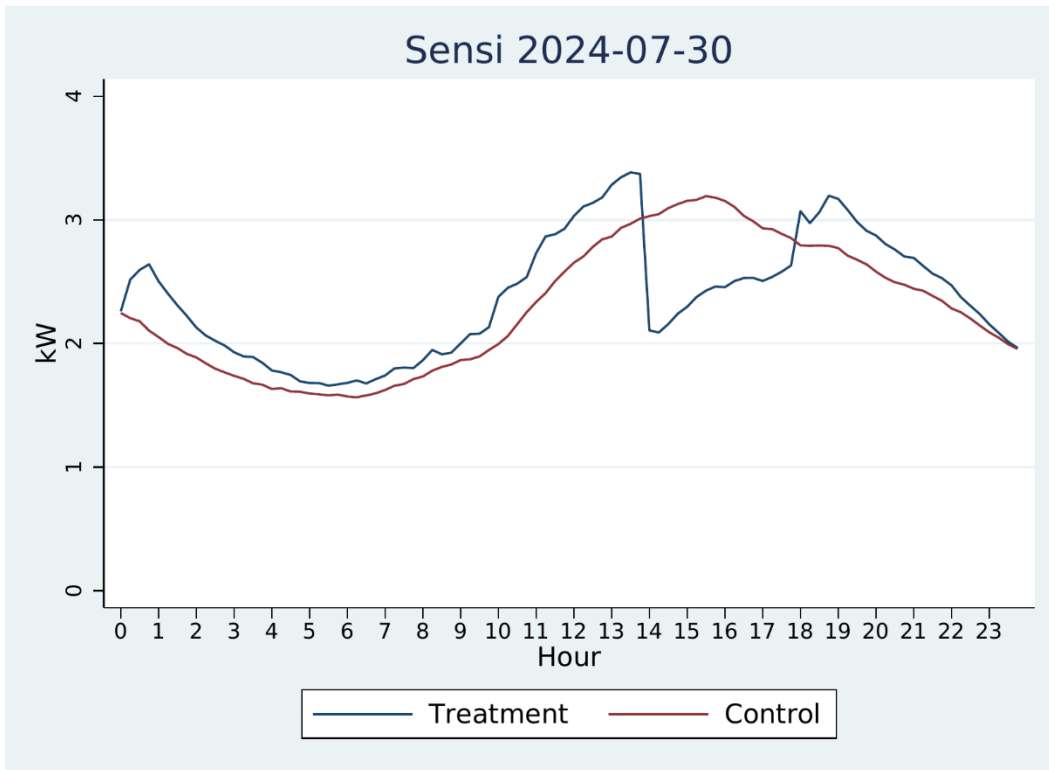
Sensi 2024-07-30

Figure 2-24 Sensi Event Day 2024-07-31

Sensi 2024-07-31

Figure 2-25 Sensi Event Day 2024-08-05

Sensi 2024-08-05

Figure 2-26 Sensi Event Day 2024-08-06

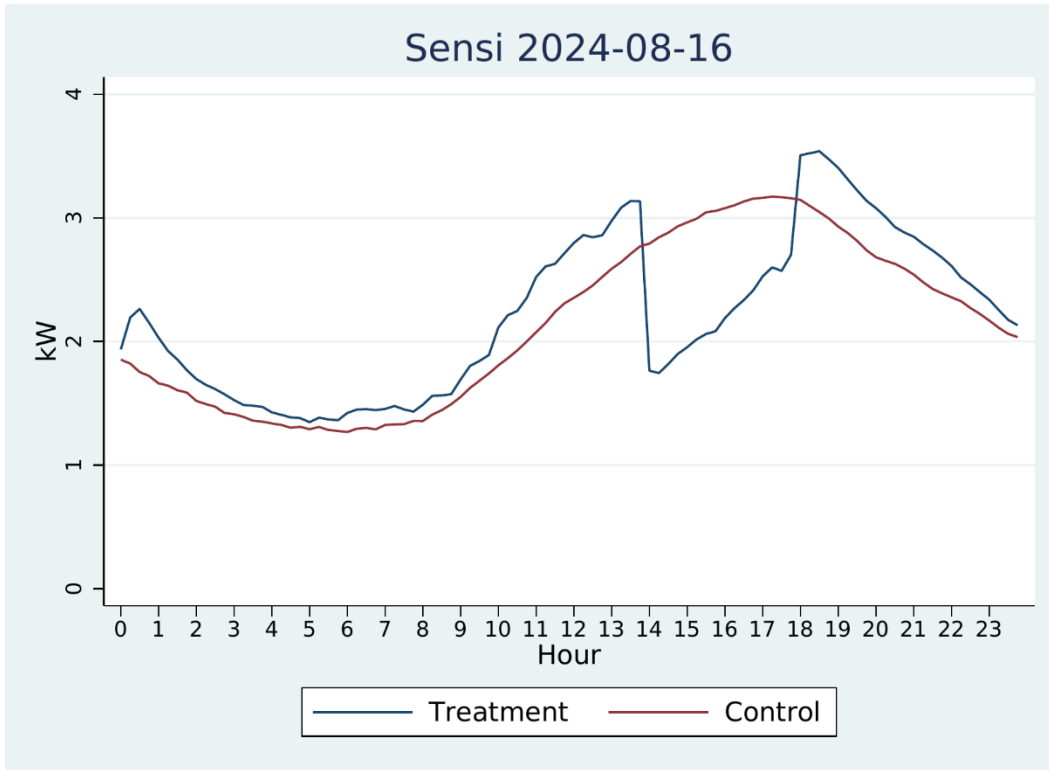Figure 2-27 Sensi Event Day 2024-08-16

Sensi 2024-08-16

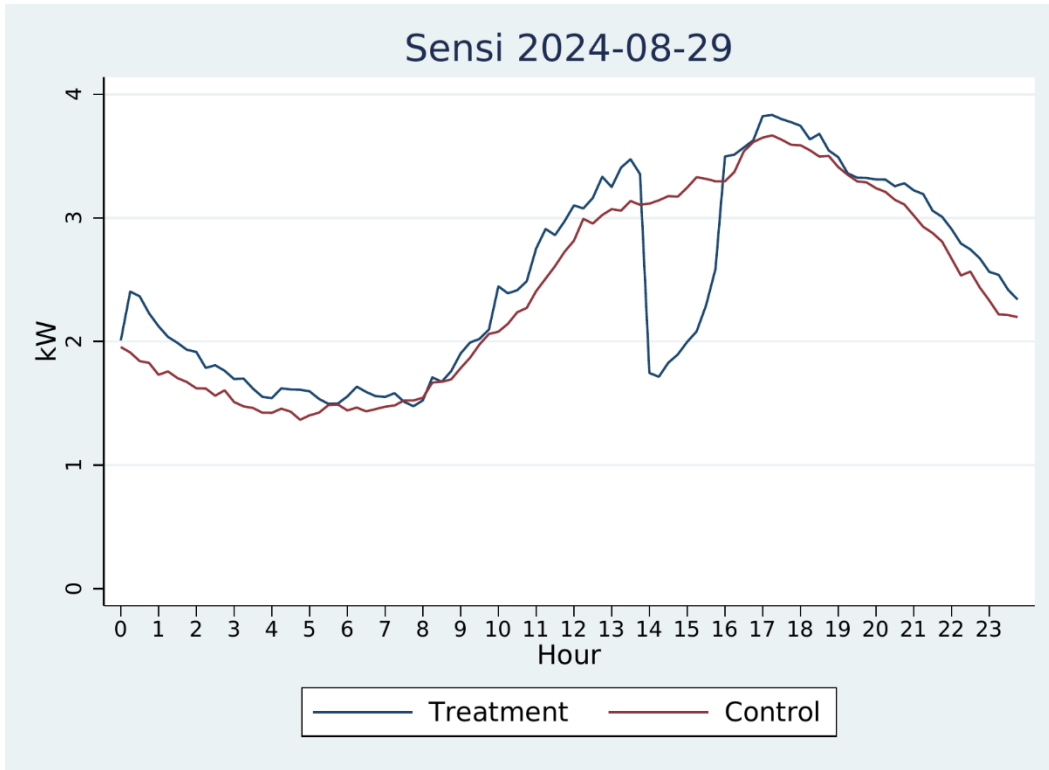Figure 2-28 Sensi Event Day 2024-08-29

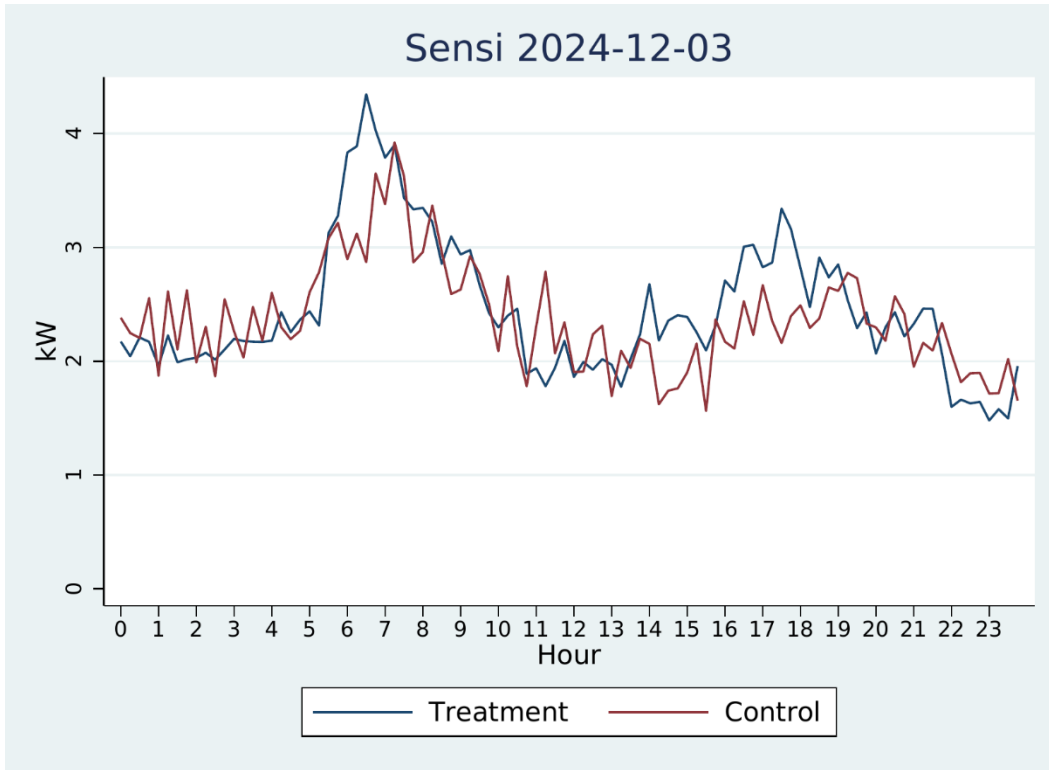Figure 2-29 Sensi Event Day 2024-12-03

Sensi 2024-12-03
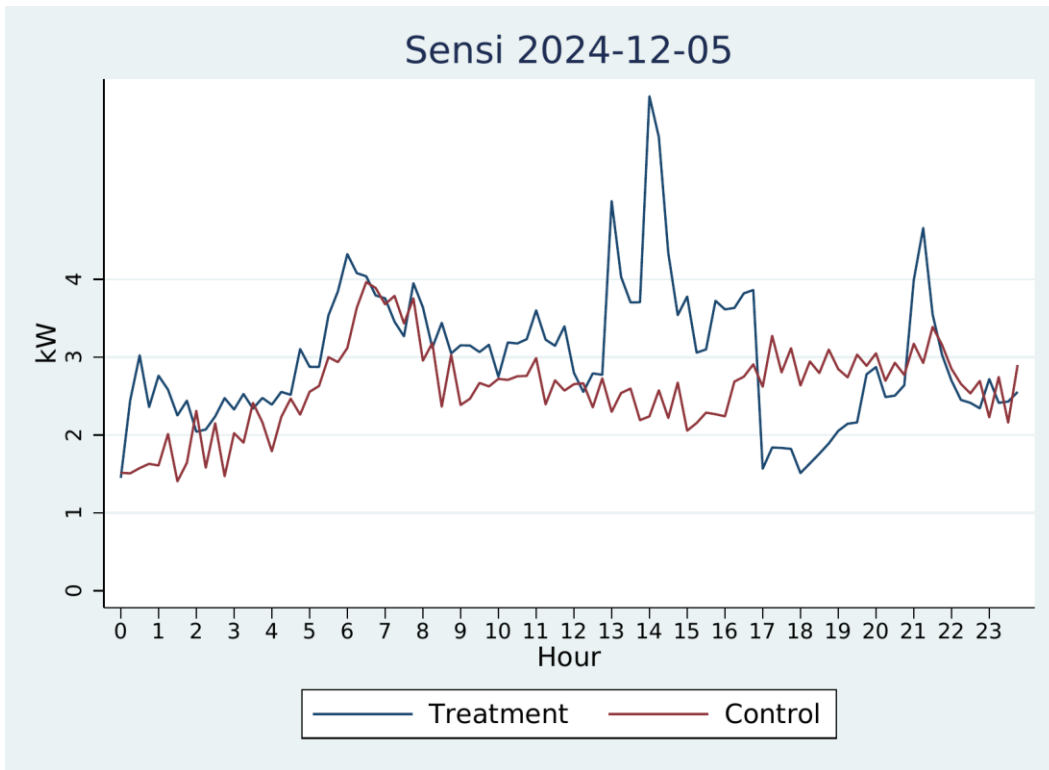
Figure 2-30 Sensi Event Day 2024-12-05

2.4.3 Honeywell Thermostats

Figure 2-31 Honeywell Event Day 2024-06-13
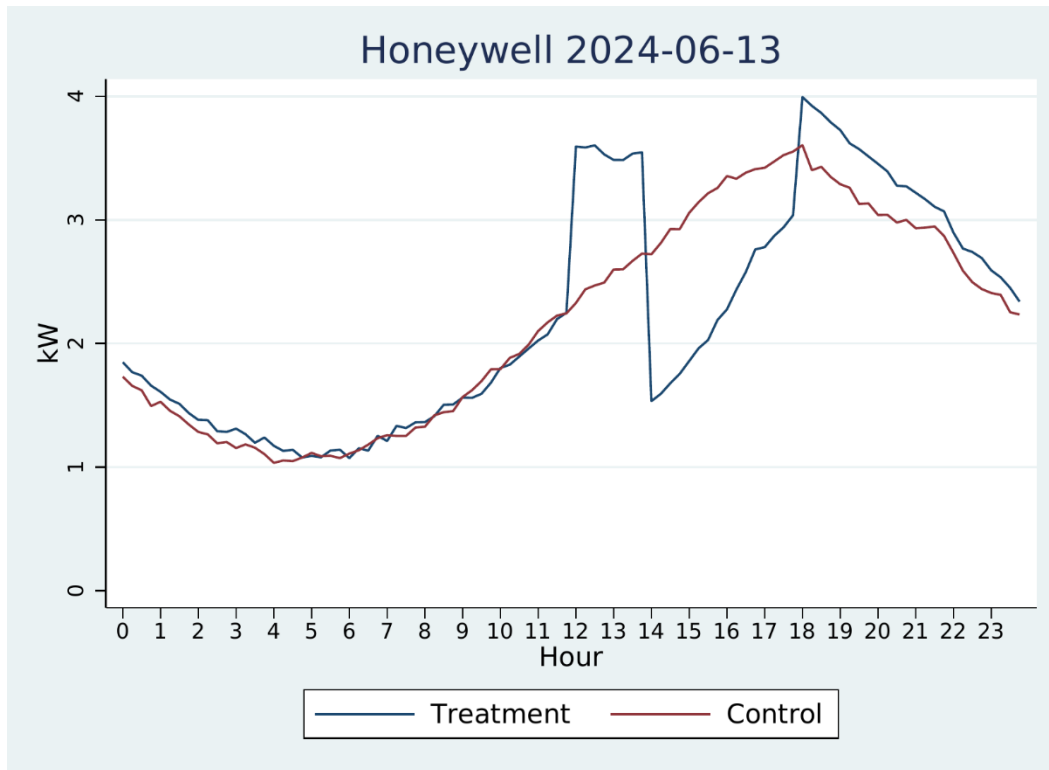
Figure 2-32 Honeywell Event Day 2024-06-17

Honeywell 2024-06-17

Treatment — Control

Residential Demand Response Impact Analysis Details
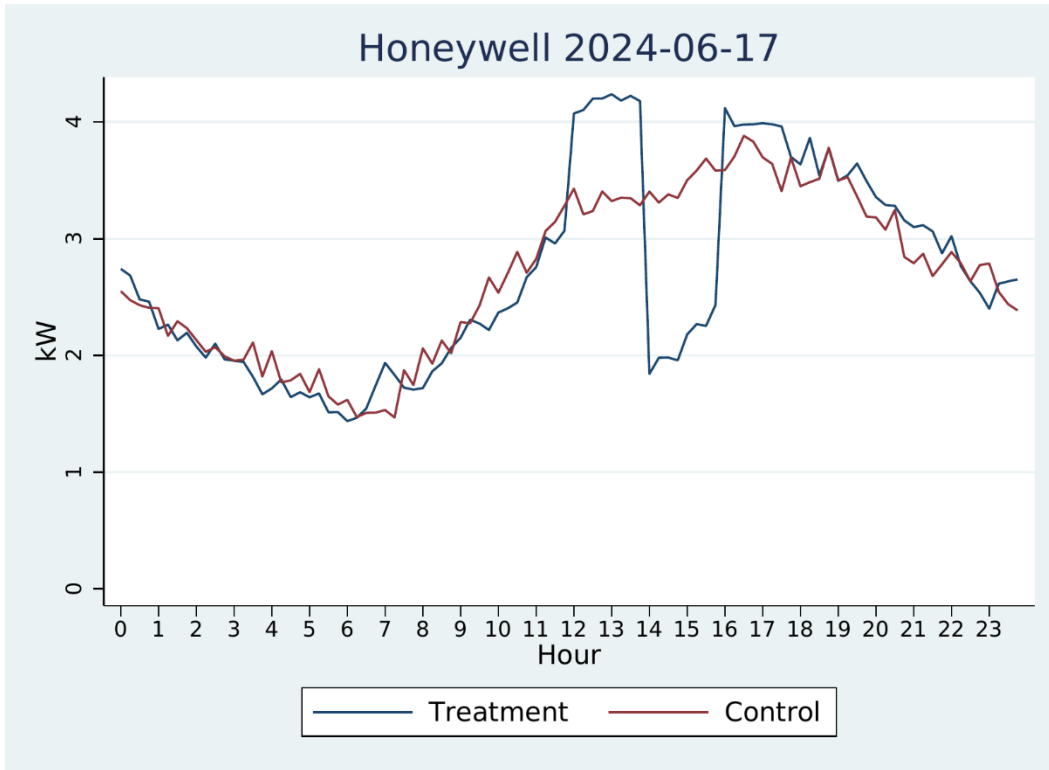
Figure 2-33 Honeywell Event Day 2024-06-21

Honeywell 2024-06-21
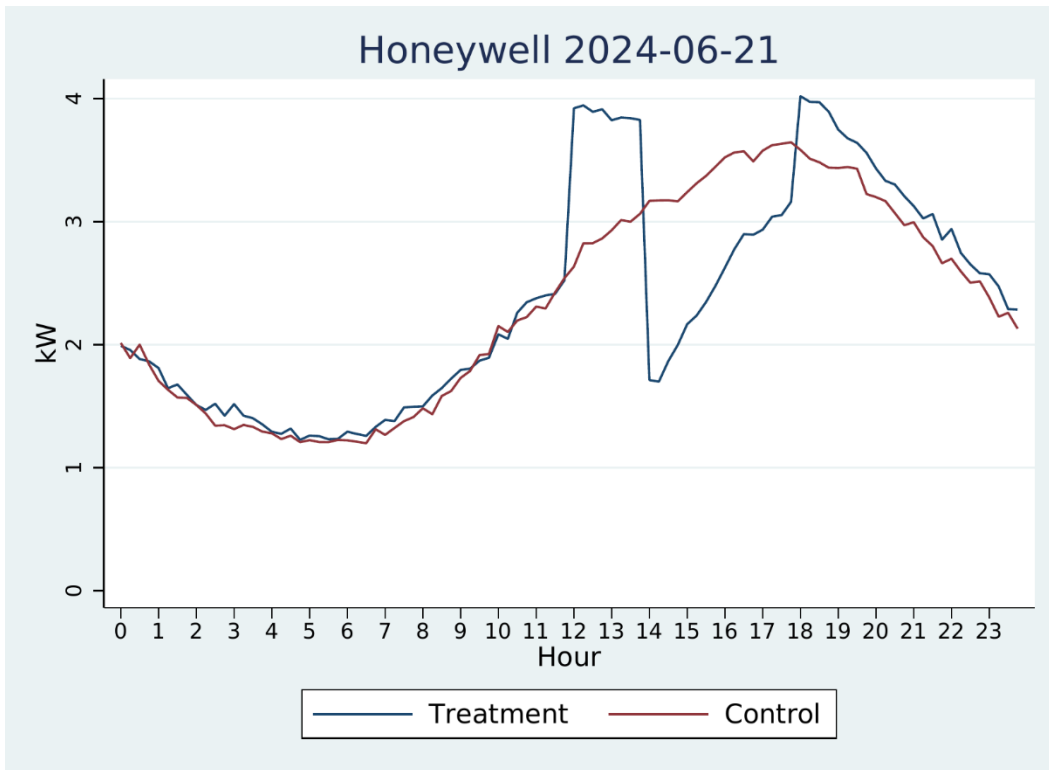
Figure 2-34 Honeywell Event Day 2024-06-25

Honeywell 2024-06-25
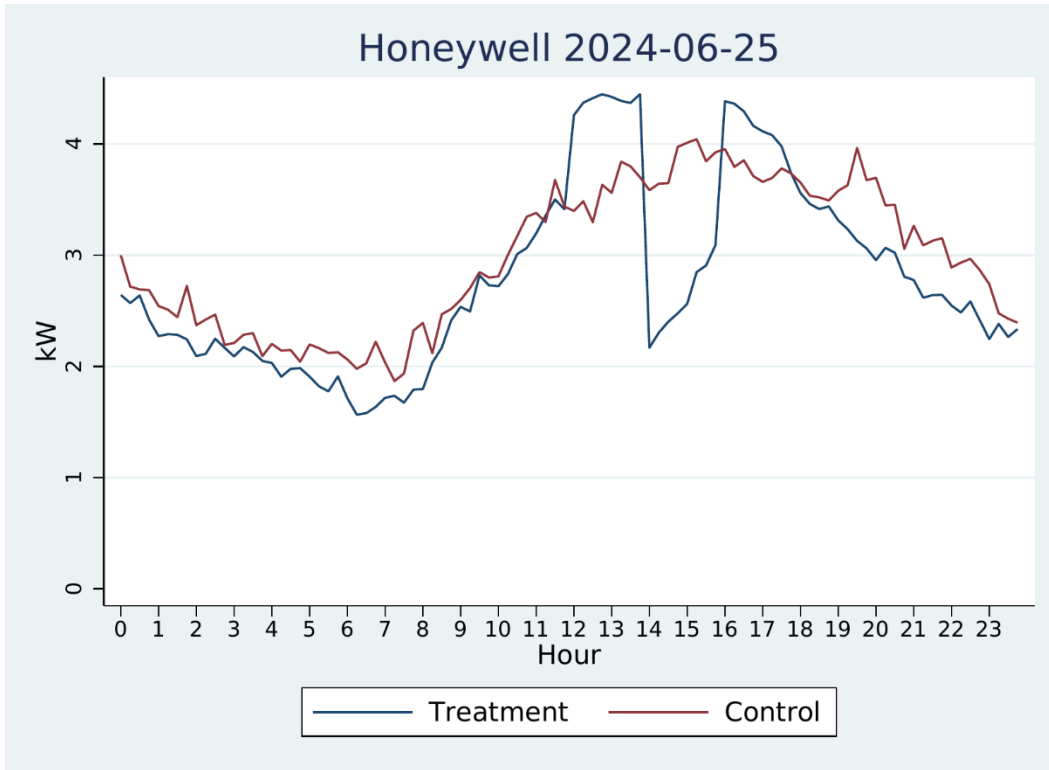
Figure 2-35 Honeywell Event Day 2024-07-15
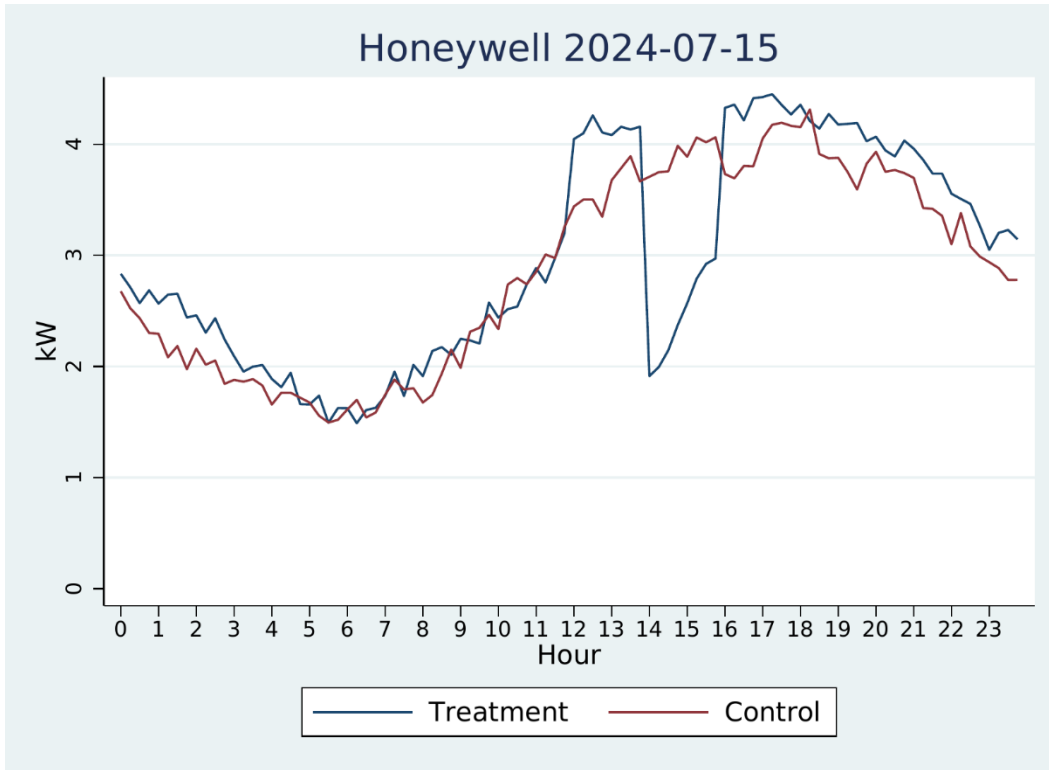
Figure 2-36 Honeywell Event Day 2024-07-16

Honeywell 2024-07-16
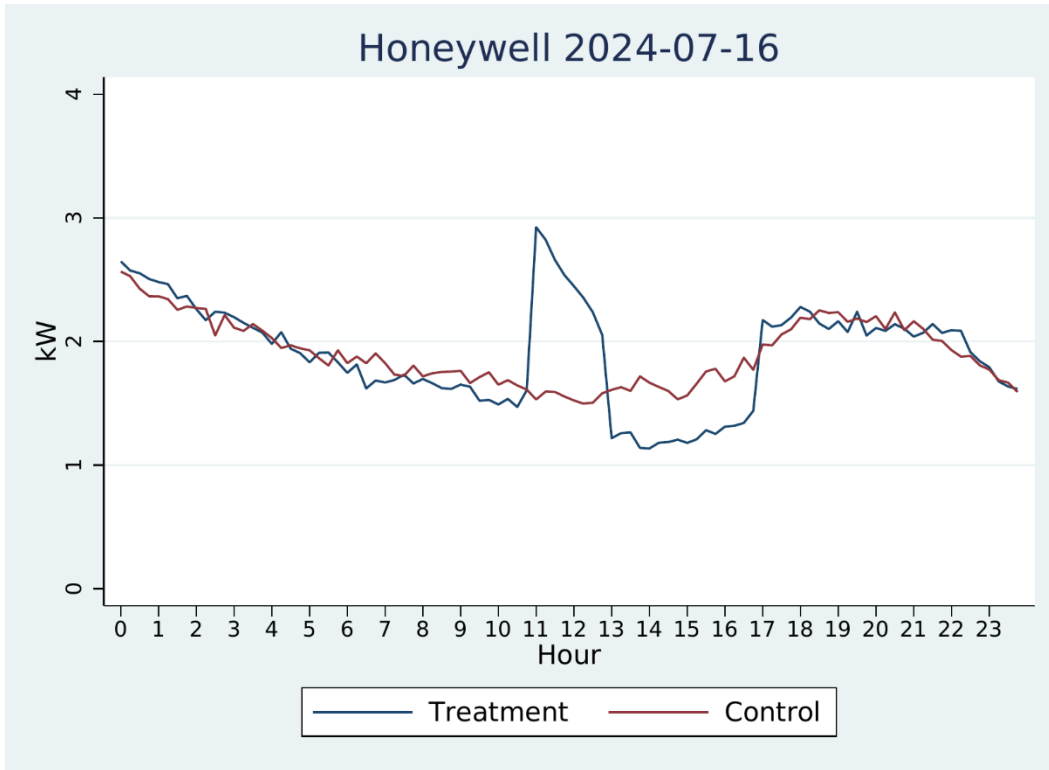
Figure 2-37 Honeywell Event Day 2024-07-30

Honeywell 2024-07-30
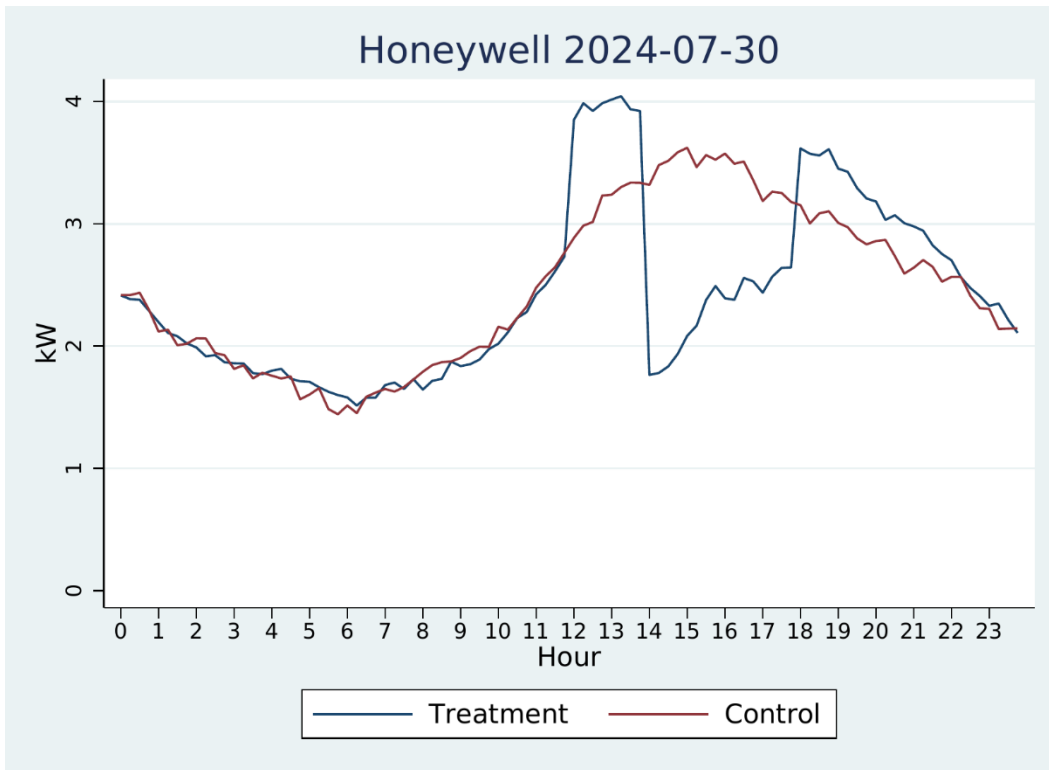
Figure 2-38 Honeywell Event Day 2024-07-31

Honeywell 2024-07-31
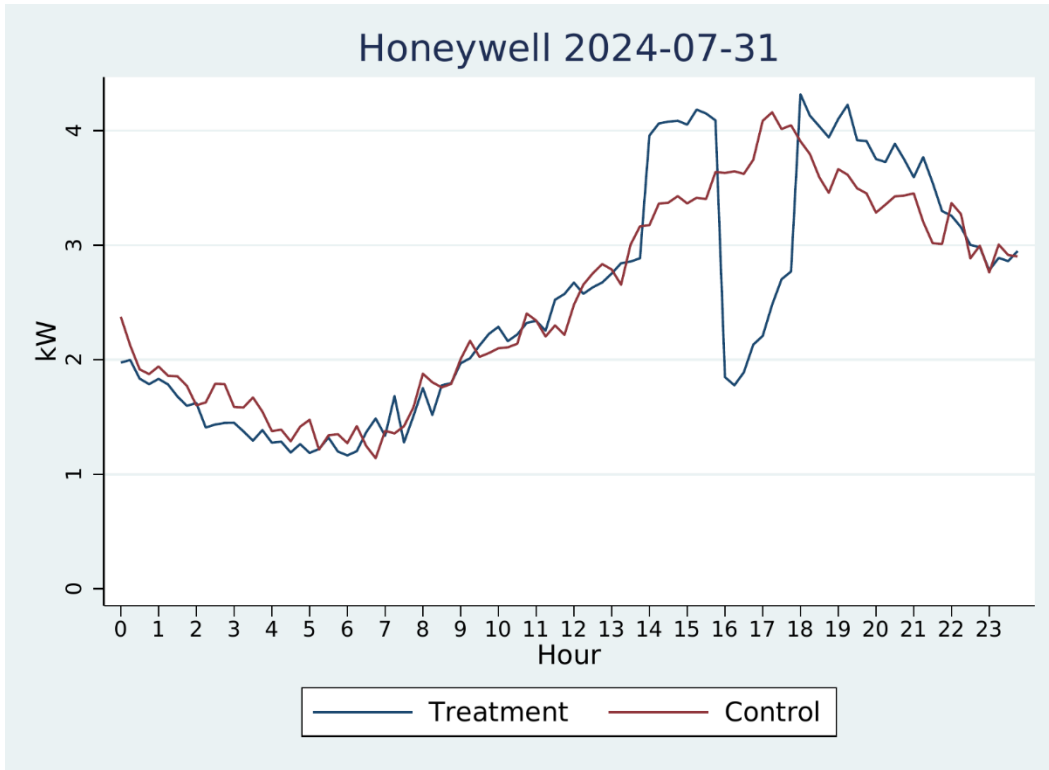
Figure 2-39 Honeywell Event Day 2024-08-05

Honeywell 2024-08-05

Residential Demand Response Impact Analysis Details

Figure 2-40 Honeywell Event Day 2024-08-06

Honeywell 2024-08-06

Treatment — Control
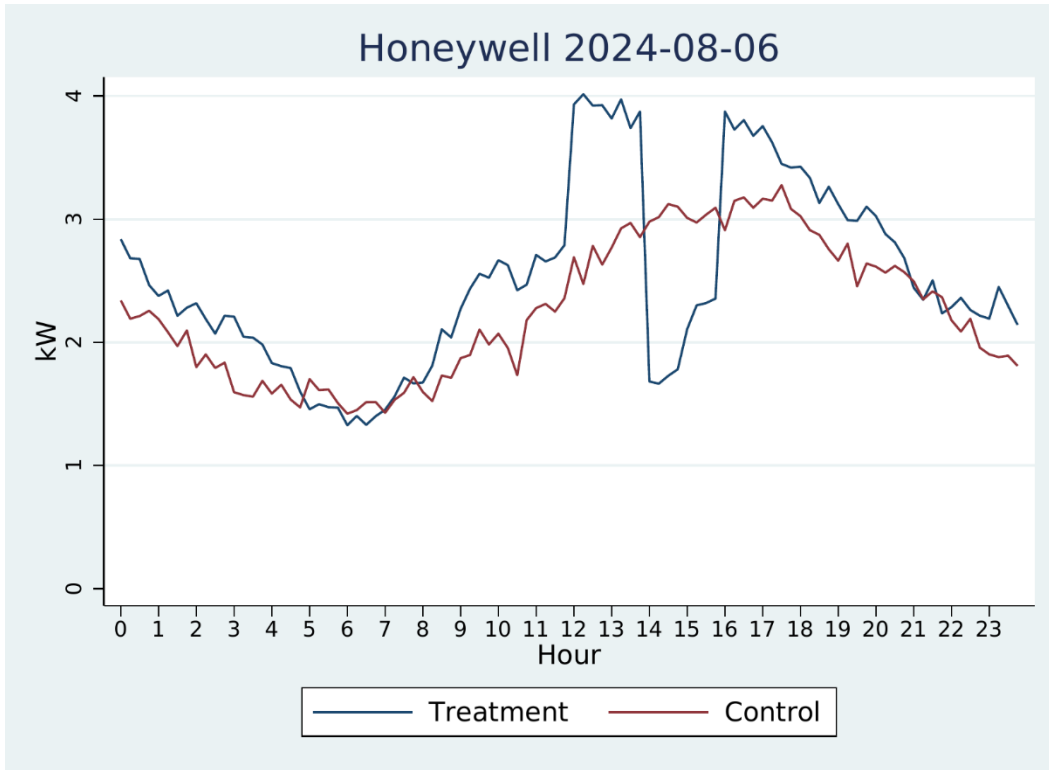
Figure 2-41 Honeywell Event Day 2024-08-16

Honeywell 2024-08-16
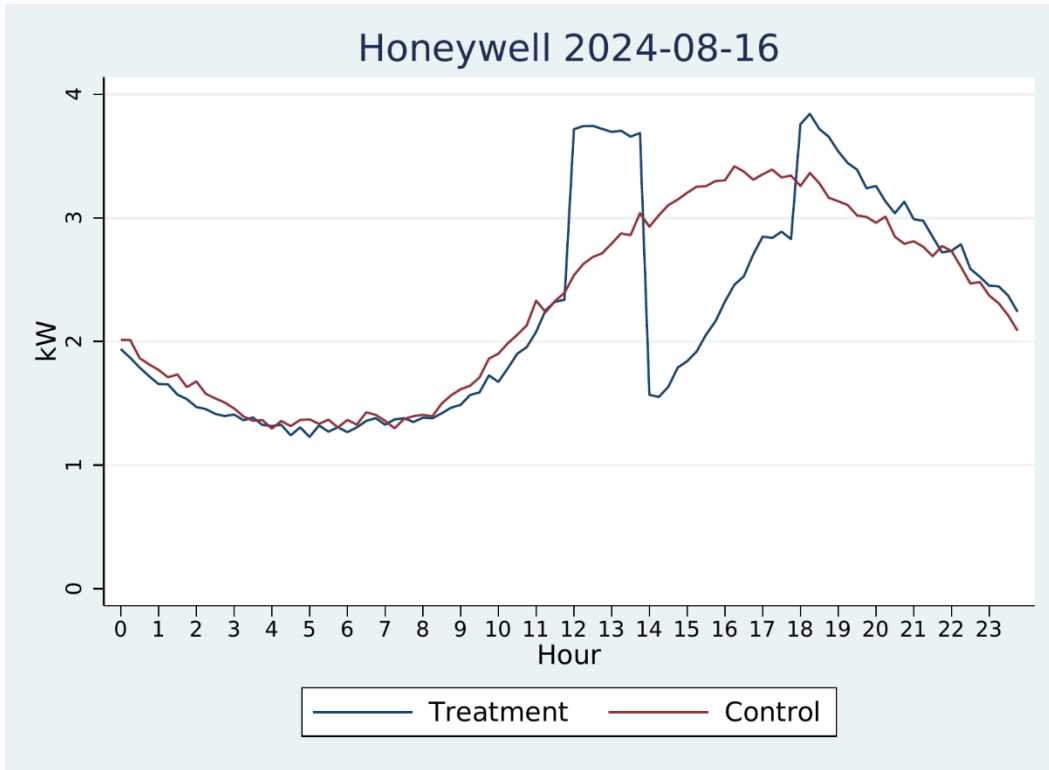
Figure 2-42 Honeywell Event Day 2024-08-29

Honeywell 2024-08-29
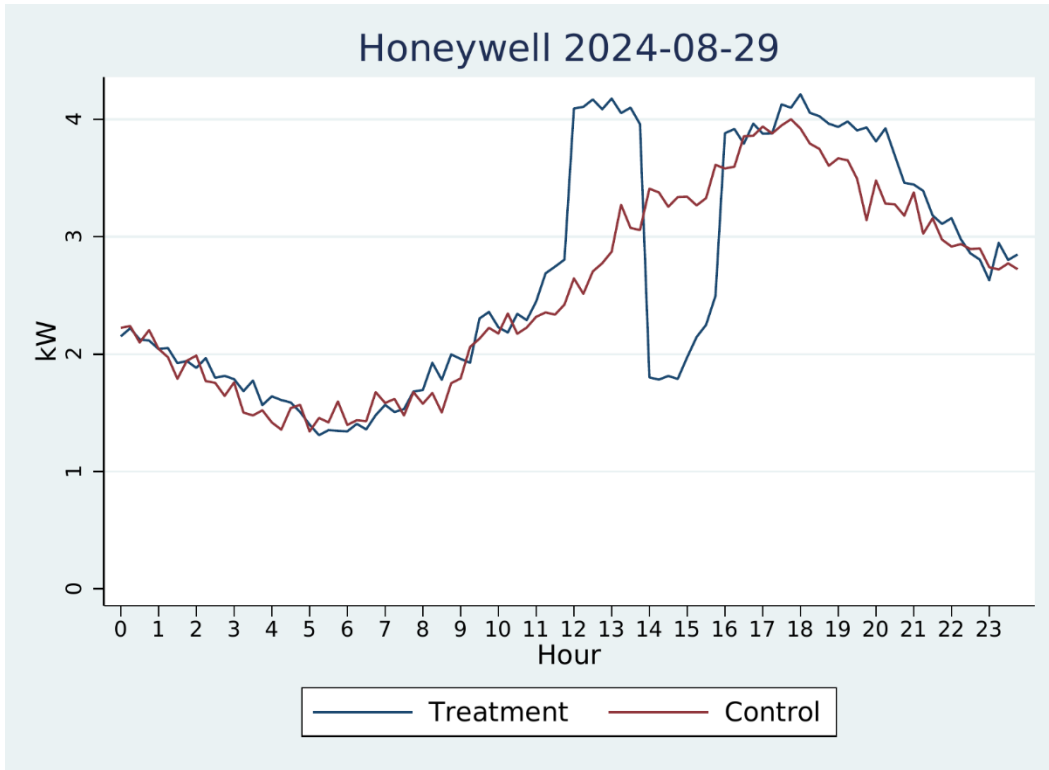
2.4.4 Nest Thermostats

Figure 2-43 Nest Event Day 2024-05-21
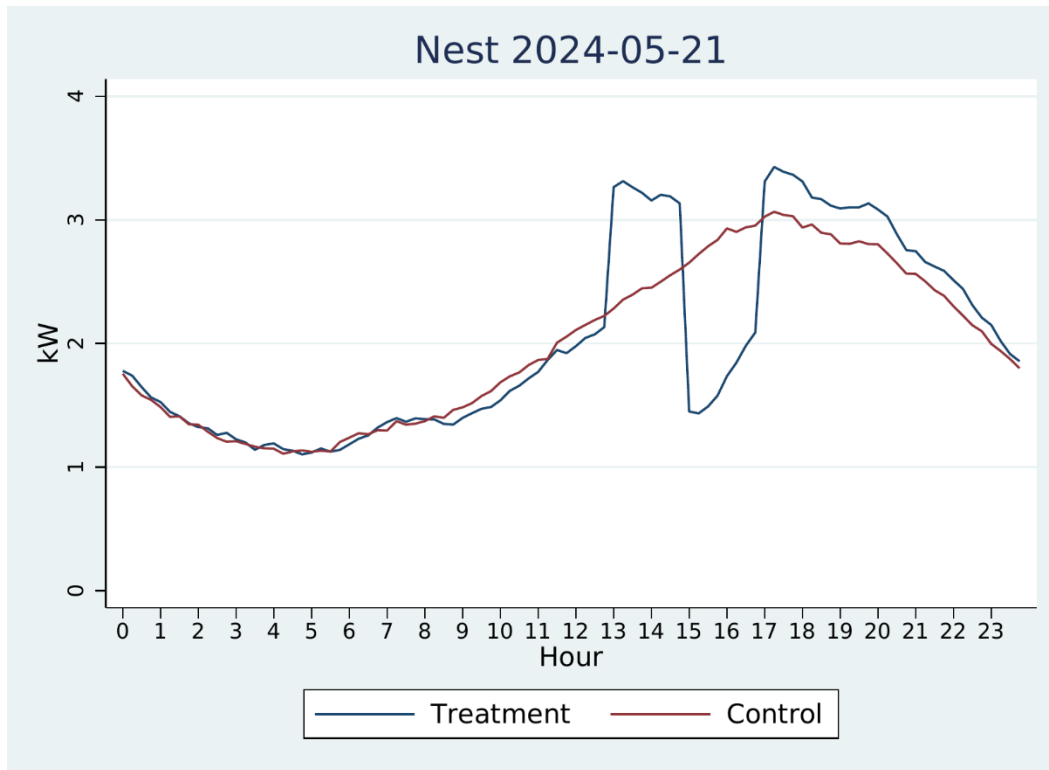
Figure 2-44 Nest Event Day 2024-06-13

Nest 2024-06-13
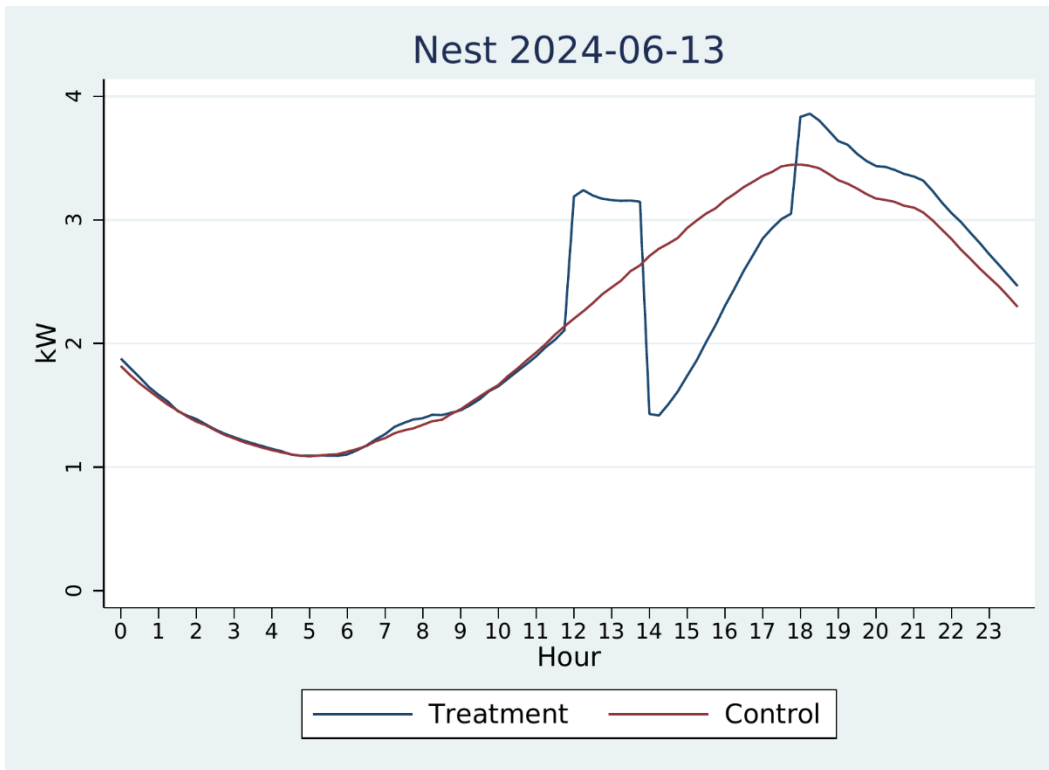
Figure 2-45 Nest Event Day 2024-06-17

Nest 2024-06-17
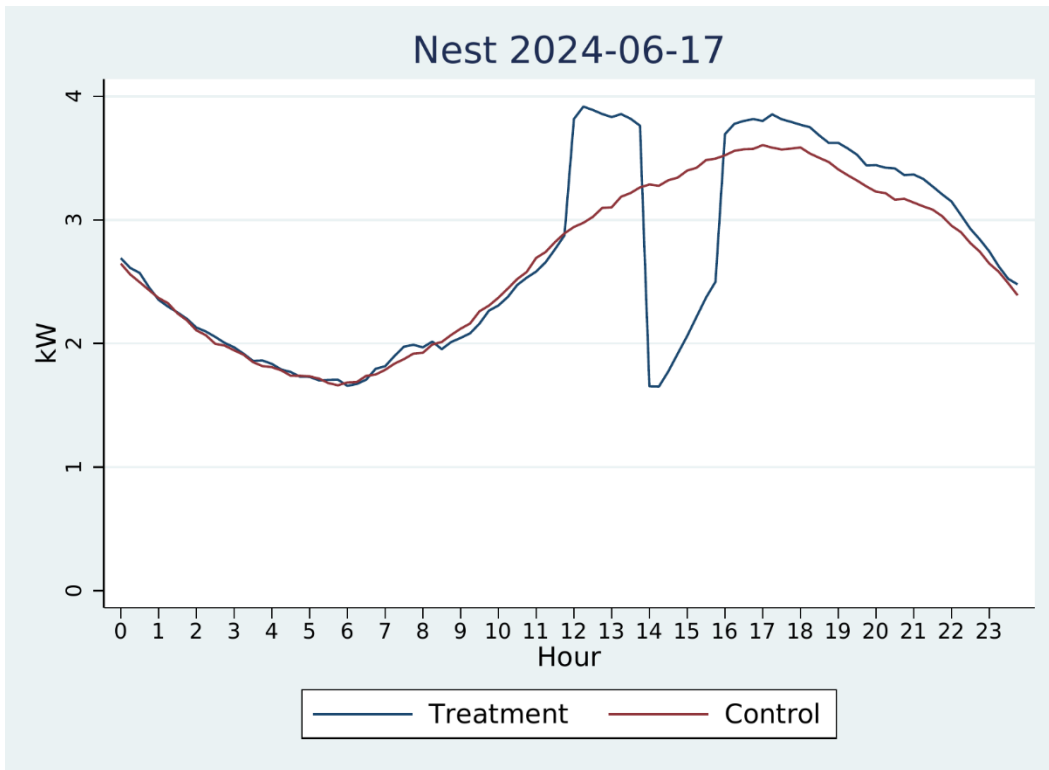
Figure 2-46 Nest Event Day 2024-06-21

Nest 2024-06-21
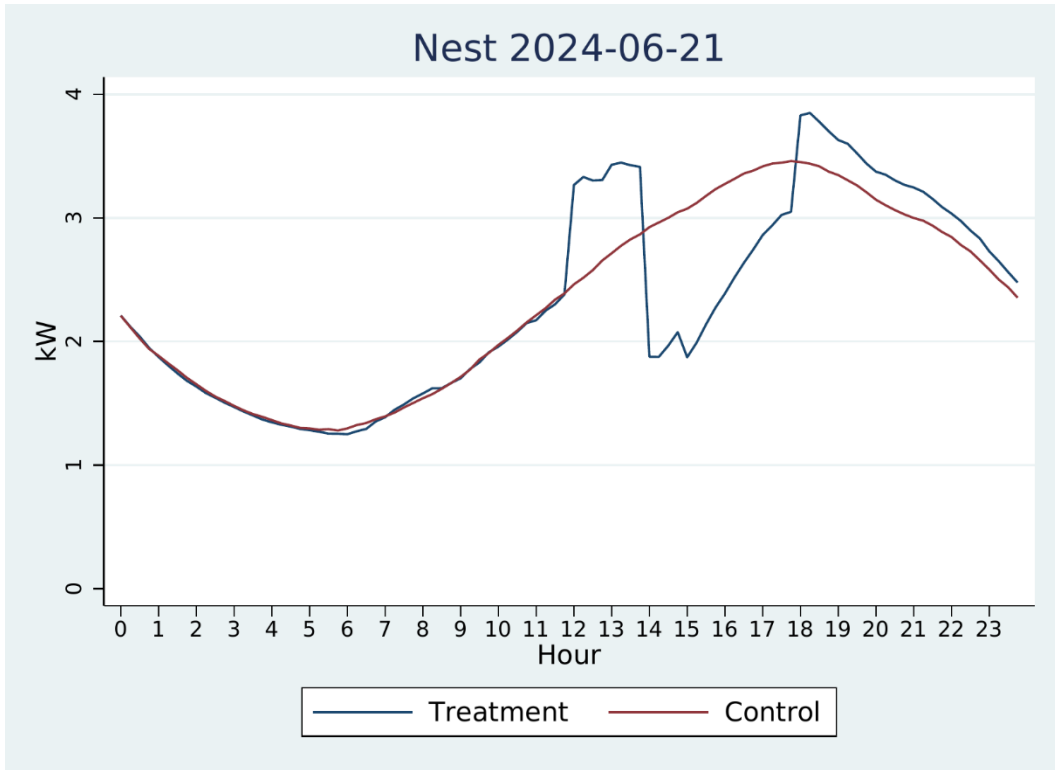
Figure 2-47 Nest Event Day 2024-06-25

Nest 2024-06-25

Figure 2-48 Nest Event Day 2024-07-15
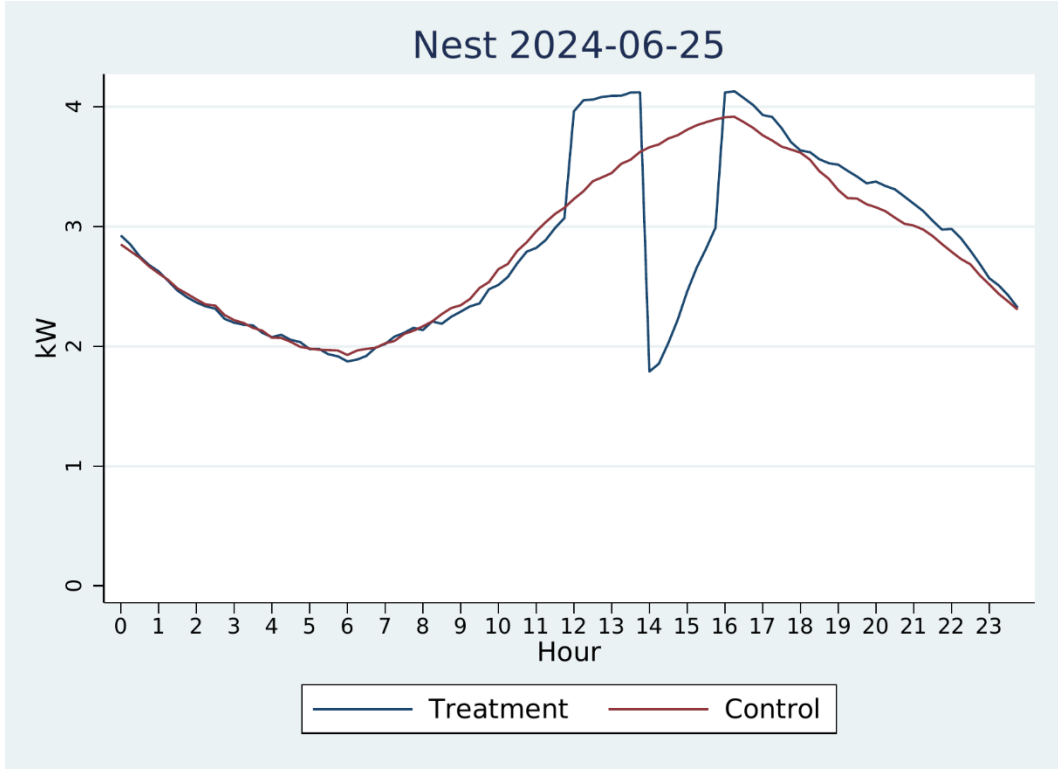
Figure 2-48 Nest Event Day 2024-07-15
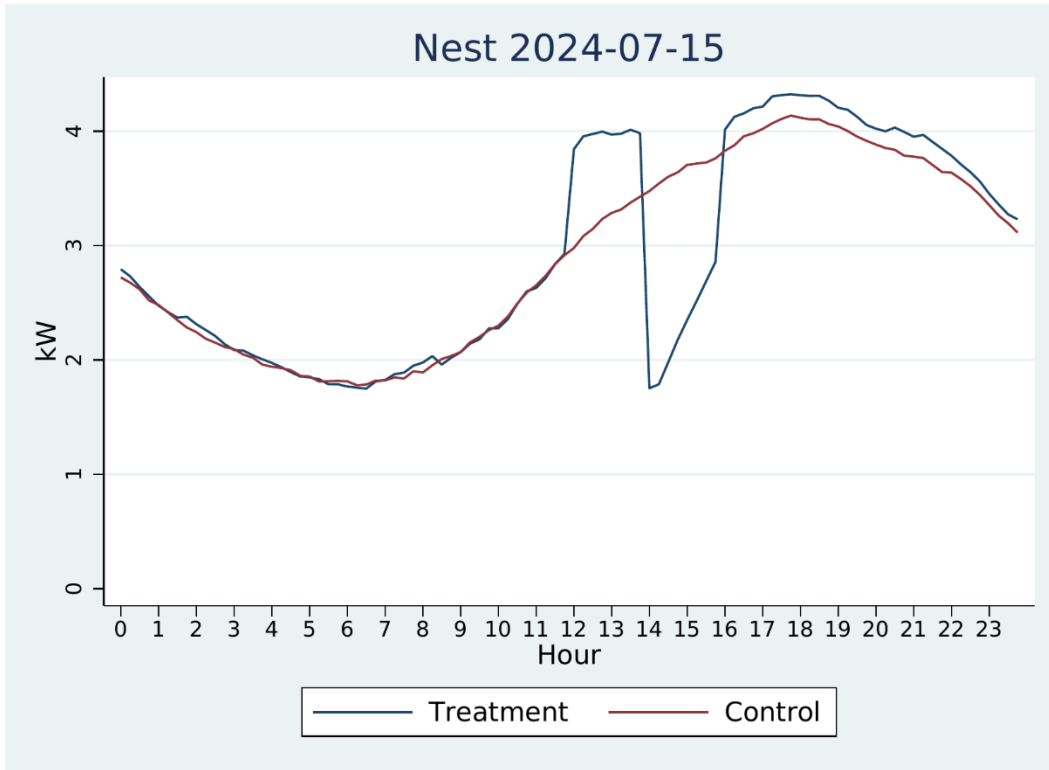
Figure 2-49 Nest Event Day 2024-07-16
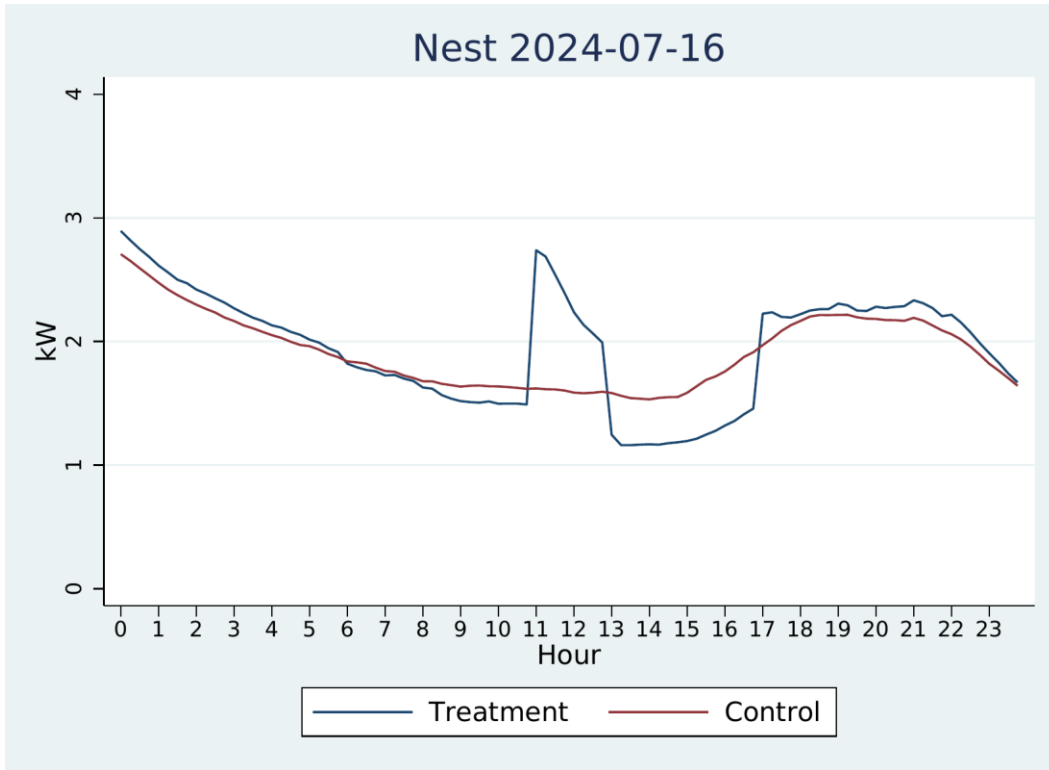
Figure 2-50 Nest Event Day 2024-07-30

Nest 2024-07-30
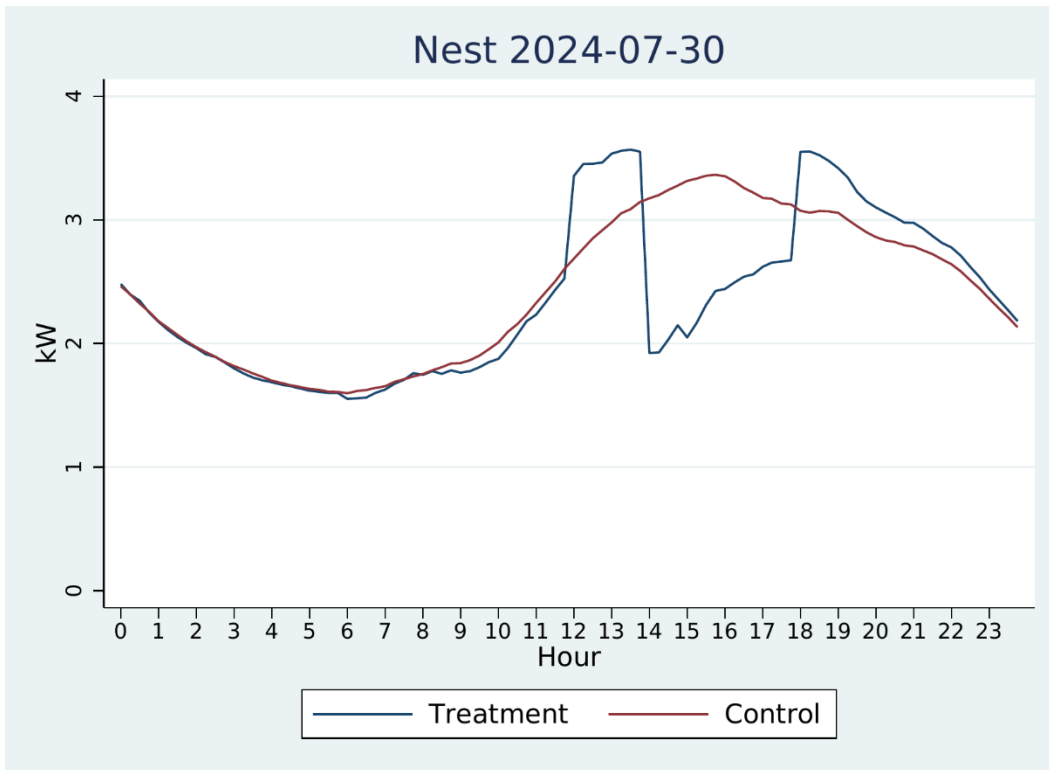
Figure 2-51 Nest Event Day 2024-07-31

Nest 2024-07-31
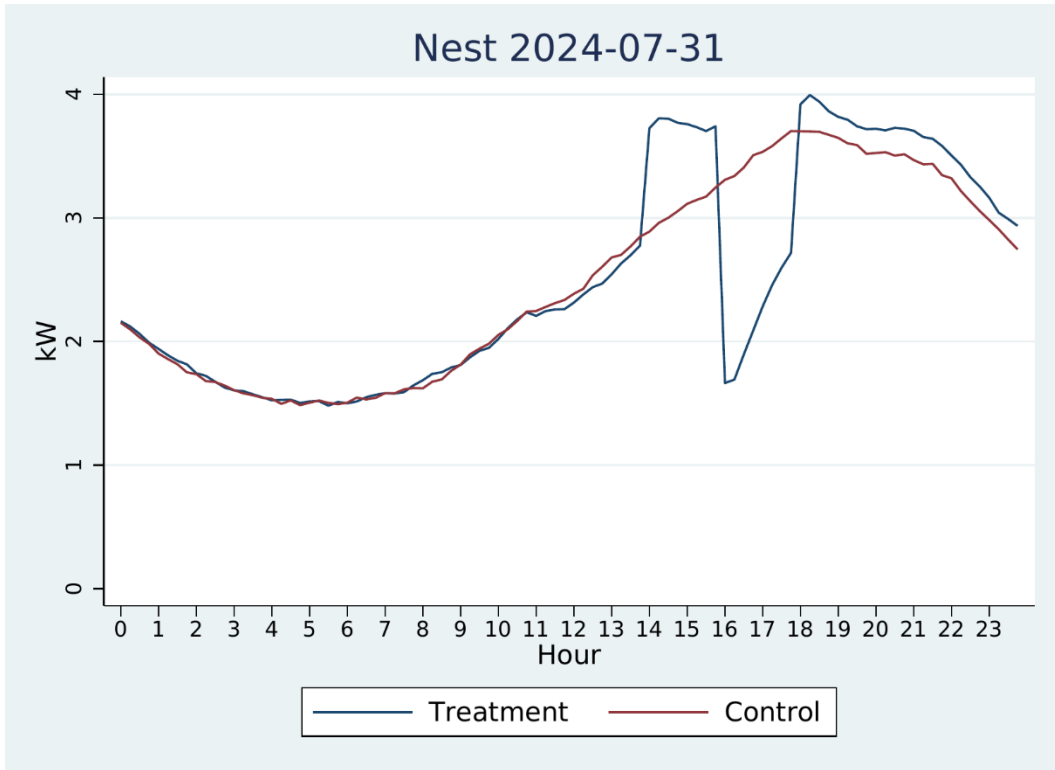
Figure 2-52 Nest Event Day 2024-08-05

Nest 2024-08-05
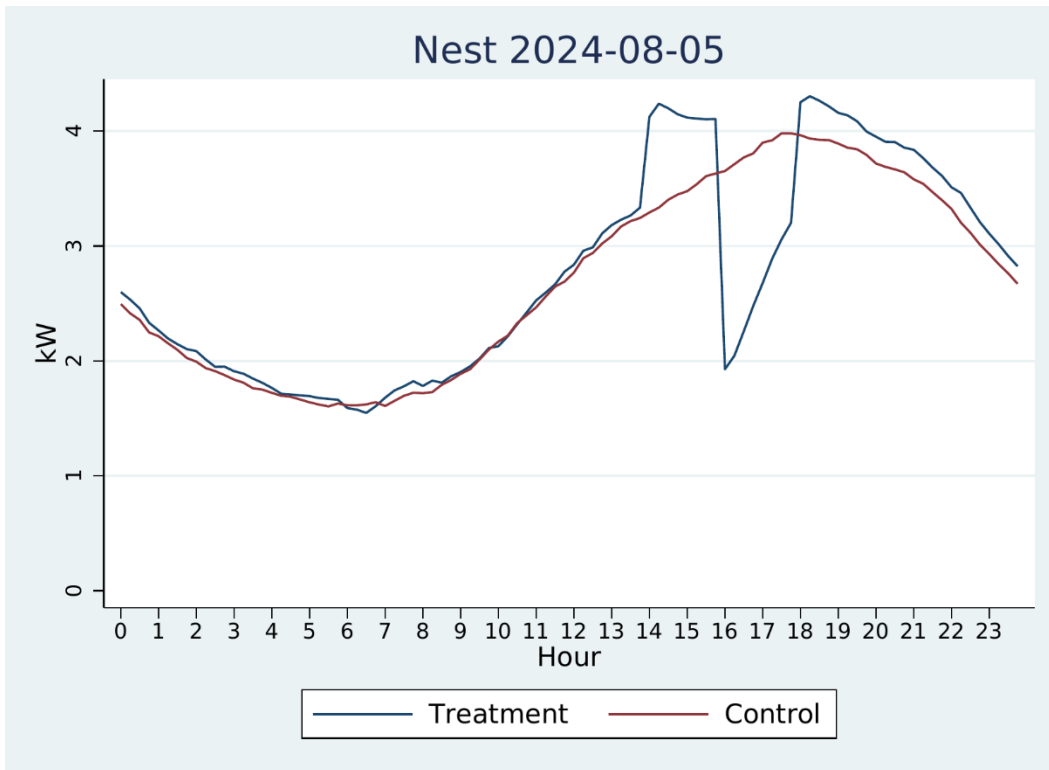
Figure 2-53 Nest Event Day 2024-08-06

Nest 2024-08-06
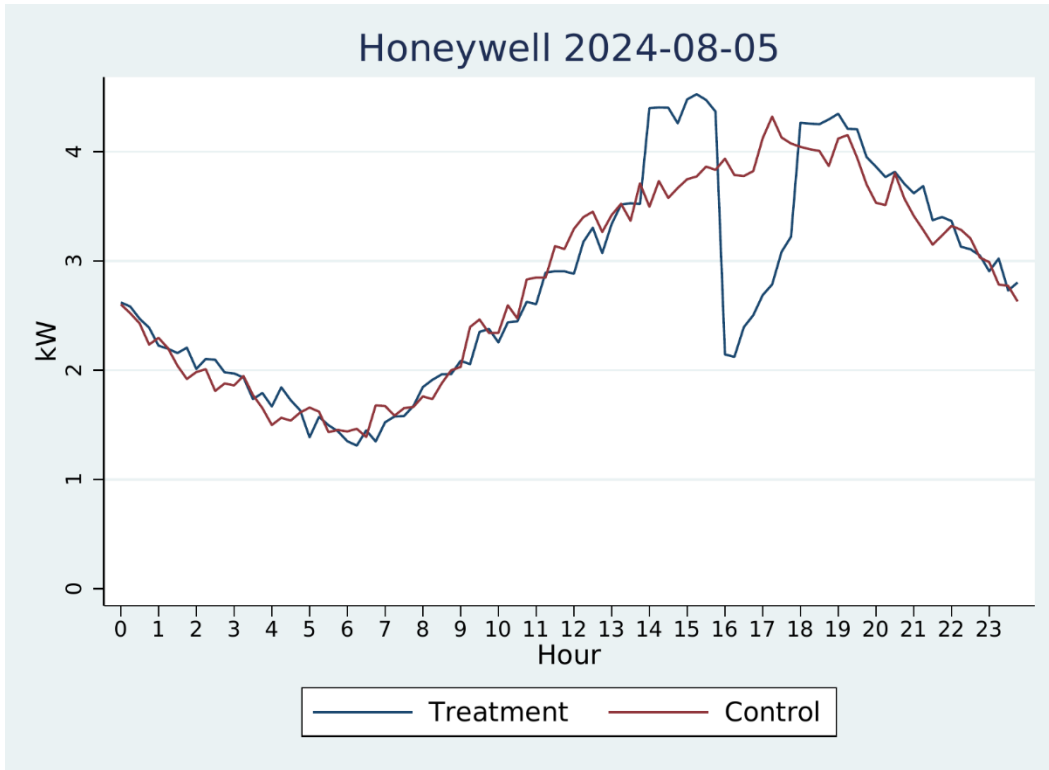
Figure 2-54 Nest Event Day 2024-08-16
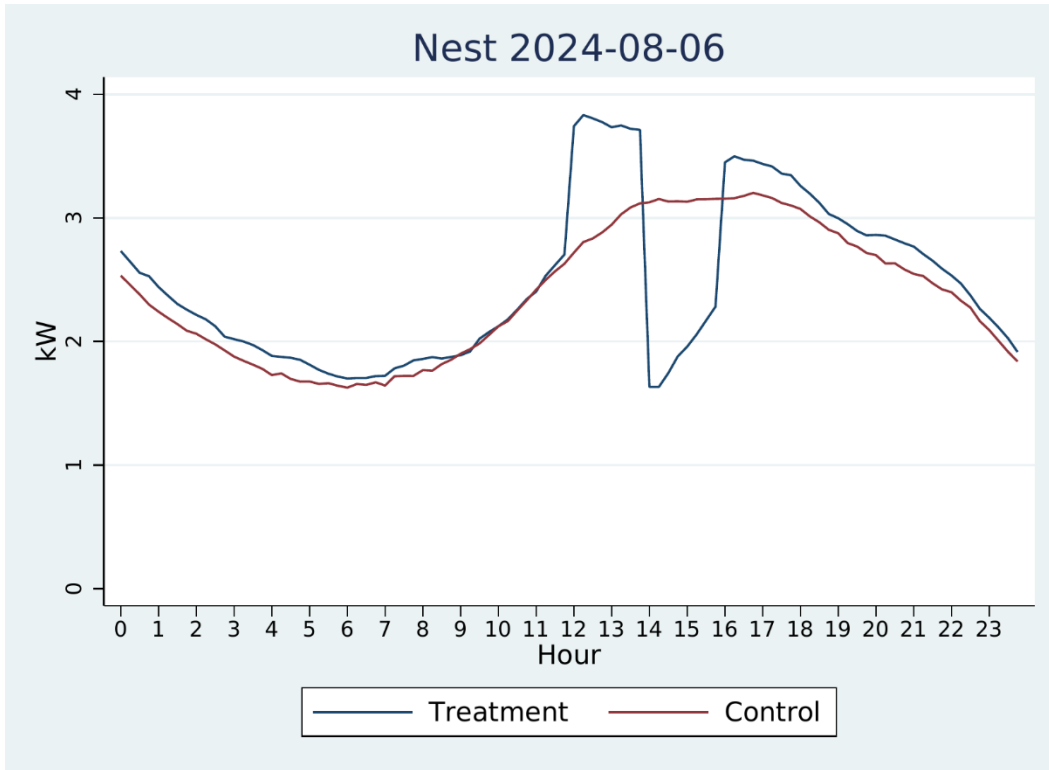
Figure 2-54 Nest Event Day 2024-08-16
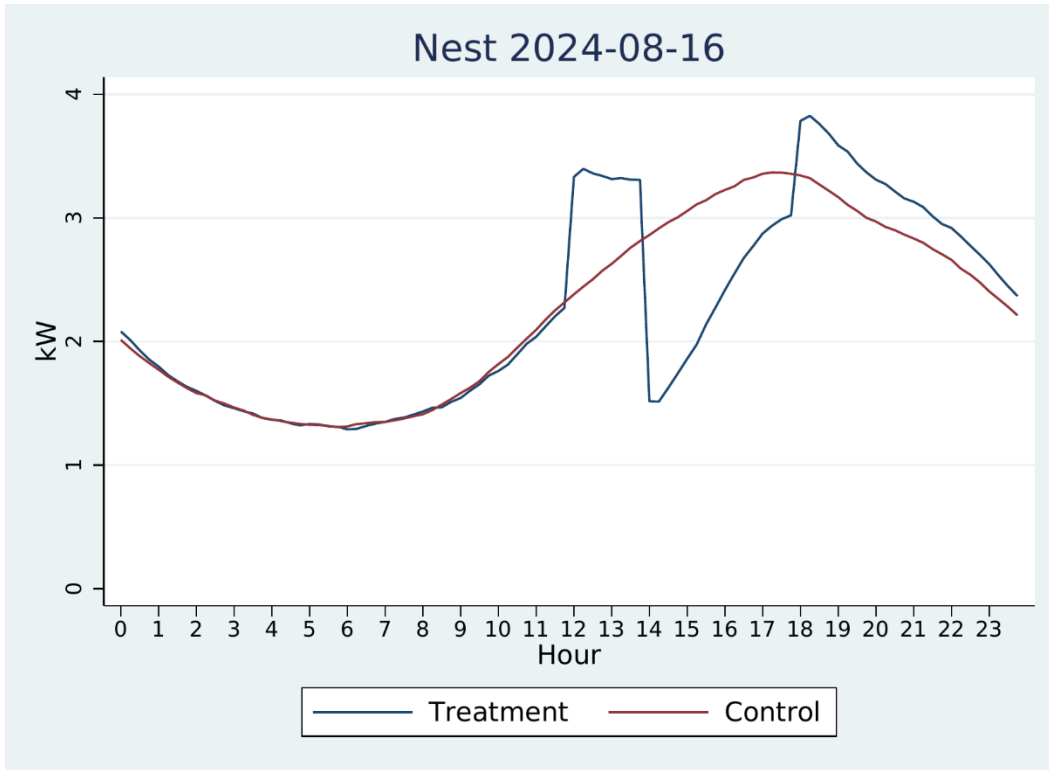
Figure 2-55 Nest Event Day 2024-08-29

Nest 2024-08-29
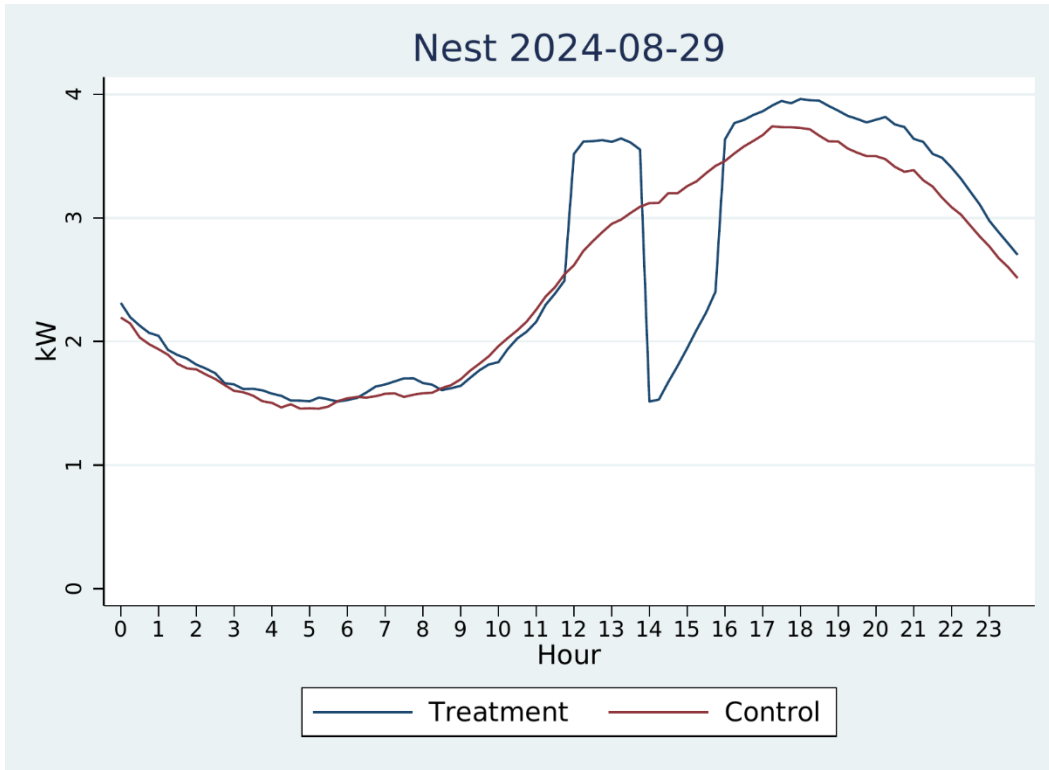
Figure 2-56 Nest Event Day 2024-12-03

Nest 2024-12-03
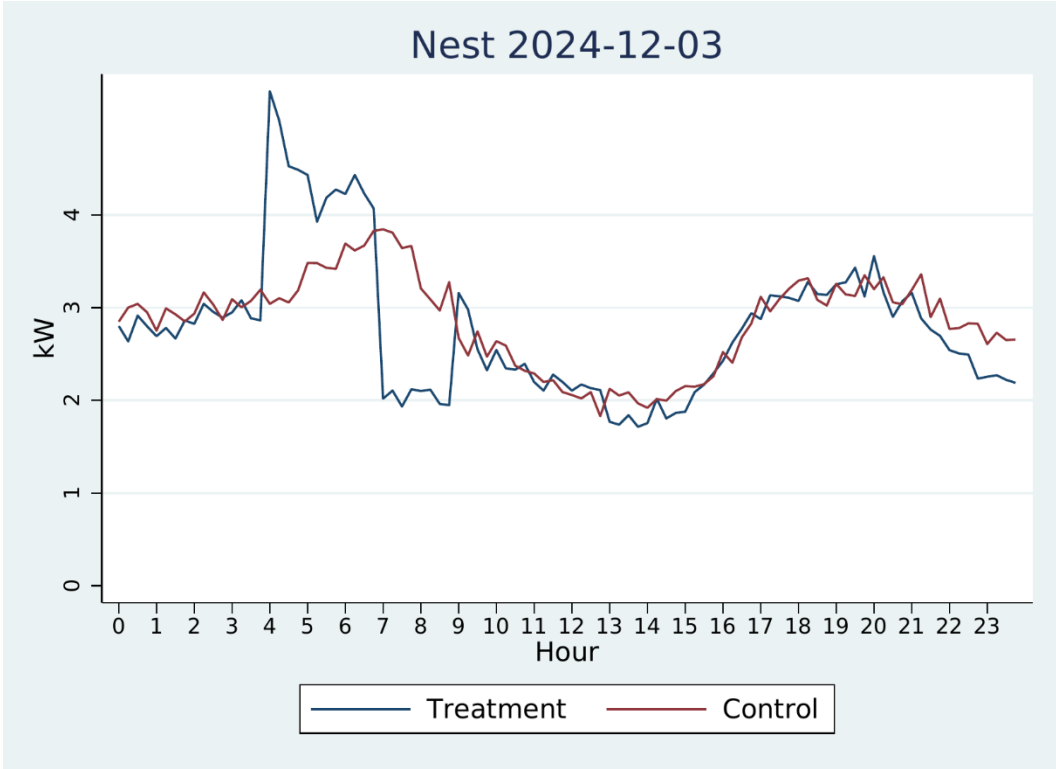
Figure 2-57 Nest Event Day 2024-12-05

Nest 2024-12-05
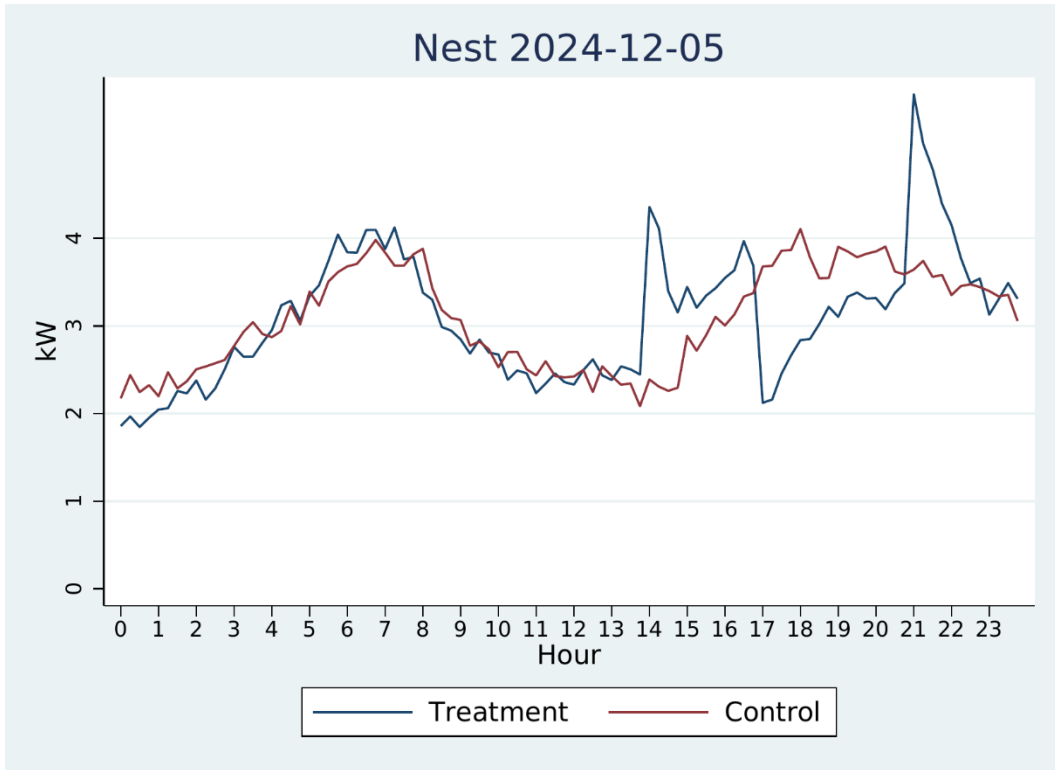
2.5 Resource Capability Estimates by Manufacturer and Event Hour

The table below presents the resource capability estimates by manufacturer and event hour.

Table 2-4 Resource Capability Estimates by Manufacturer and Event

Manufacturer	Event Hour	Predicted Baseline	Predicted Actual	Demand Savings	Percent Demand Savings	SE Impacts	Lower CI	Upper CI
Nest	1	3.28	2.21	1.07	33%	0.03	1.02	1.13
	2	3.45	2.63	0.82	24%	0.03	0.76	0.87
	3	3.36	2.62	0.74	22%	0.03	0.69	0.80
	4	3.50	2.92	0.57	16%	0.16	0.32	0.83
ecobee	1	3.49	2.44	1.05	30%	0.04	0.98	1.12
	2	3.65	2.85	0.80	22%	0.04	0.73	0.87
	3	3.55	2.66	0.88	25%	0.04	0.81	0.95
	4	3.62	2.93	0.70	19%	0.21	0.35	1.04
Sensi	1	3.23	2.26	0.96	30%	0.04	0.89	1.03
	2	3.35	2.54	0.81	24%	0.04	0.74	0.88
	3	3.24	2.40	0.84	26%	0.04	0.77	0.91
	4	3.35	2.65	0.69	21%	0.27	0.25	1.14
Honeywell	1	3.42	2.39	1.04	30%	0.04	0.97	1.11
	2	3.64	2.77	0.87	24%	0.04	0.80	0.94
	3	3.44	2.55	0.88	26%	0.04	0.81	0.95
	4	3.56	2.83	0.73	21%	0.27	0.29	1.18
All	1	3.32	2.27	1.05	32%			
	2	3.48	2.67	0.81	23%			
	3	3.39	2.60	0.79	23%			
	4	3.50	2.88	0.62	18%			

3 Residential Demand Response Survey Instrument

Variable Name	Variable Definition
OEM	Name of thermostat manufacturer
Enrollment_Date	Date of initial enrollment
Enrollment_Duration	Number of days enrolled since sample preparation
New_Enrollment	1 if enrolled since January 1st, 2024, else 0

Research Topic	Survey Questions
Initial source of awareness and motivation for participating	Q2 - Q3
Enrollment process	Q4– Q10
Understanding of the program	Q11 – Q13
Peak energy use events	Q14 – Q19
Participant satisfaction	Q20 – Q23
Demographics / Home characteristics	Q24 – Q36

3.1 Introduction

1. Our records indicate that your household participated in Ameren Missouri's Peak Time Savings Program. Through this program Ameren Missouri makes temporary adjustments to your thermostat to ease energy use during times of high energy use.

   Are you familiar with your household's participation in this program?
   1.   Yes
   2.   No **[Terminate]**

3.2 Awareness and Motivation

[Display section if New_Enrollment = 1]

2. How did you first learn of Ameren Missouri's Peak Time Savings Program?

[Randomize order of 1-8]

   1.   Social media (Facebook, Instagram)

<ol start="2">
Ameren Missouri's website
Friend, family member, or colleague
Bill inserts or utility mailer
Email from Ameren Missouri
Internet search (e.g., Google search) or internet advertisement
Print advertisement
TV advertisement
Community event

96.   Other (Please specify)

98.   I don't know

3. Why did you choose to participate in this program? (Select all that apply)

[Multiselect] [Randomize order of 1-7]

To take part in an energy savings initiative
Recommended to me by Ameren Missouri
The initial signup bonus
The annual bonus for continued participation
To reduce environmental impact by using less energy
To decrease my energy costs
To contribute to grid stability and efficiency
Other (please specify)

3.3 Enrollment Process

[Display section if New_Enrollment = 1]

4. Did you have any concerns about participating in the Peak Time Savings Program before enrolling in it?

Yes
No **[Skip to Q11]**

98.   Don't recall **[Skip to Q11]**

[Display if Q4 = 1]

5. What concerns did you have? (Please select all that apply)

Concerns about being uncomfortable during energy reduction events
Concerns about the utility's control over my HVAC system (e.g., AC shutoff, inability to control temperature)
Concerns about privacy or security
Other concerns (Please specify)

6. How have you received information about how the program works? (Select all that apply) (Select all that apply)

Residential Demand Response Survey Instrument

[Multiselect] [Randomize order of 1 -5]

    1.   Contacted the program directly
    2.   Program website
    3.   Ameren Missouri email or newsletter
    4.   Ameren Missouri mailing
    5.   Other (please specify)
    6.   Have not seen information about the program
    98.   Do not recall

[Display if Q6 <> 6 or 98]

7. Thinking about any information you received or viewed, how well did it address your questions?

    1.   1 (Not at all)
    2.   2
    3.   3
    4.   4
    5.   5 (Completely)
    6.   I did not review any information before I decided to participate

[Display if Q7< 4]

8. What questions were not well addressed by the information you received?

9. Using the scale below, how would you rate the process of enrolling your thermostat in the program?

    1.   1 (Very difficult)
    2.   2
    3.   3
    4.   4
    5.   5 (Very easy)

[Display if Q9 < 3]

10. What made the enrollment process difficult?

3.4 Understanding of the Program

11. We'd like to understand how well you know the program's features. For each statement that follows, please indicate whether you believe it's true or false.

    Click next to continue.

12. I can opt out of an event by changing my thermostat temperature.

[Scale: 1 = True, 2 = False]

13. My home will be cooled to a lower temperature before an event to keep it more comfortable.

Residential Demand Response Survey Instrument

3.5 Peak Energy Use Events

14. Thinking about the peak energy events that occurred during the year, did you receive notifications for these events through any of the following methods? Please check all that apply.

[Multiselect]

    1. Email
    2. App notification
    3. I did not receive any notifications

15. Reflecting on your participation in the program over the past few months, please indicate your level of agreement with the following statements:

[Response scale: 1 = Strongly disagree, 2 = Somewhat disagree, 3 = Neither agree nor disagree), 4= Somewhat agree, to 5 = Strongly agree]

    a. The number of events was acceptable.
    b. The frequency of events was acceptable.
    c. The duration of the events was reasonable.
    d. My home remained comfortable on event days.
    e. Ameren Missouri kept me well informed about the program.
    f. **[Display if Q14 = 1 or 2]** Notifications of events were timely.

[Display if Q15a < 3]

16. How many events would be acceptable to you?

[Display if Q15c < 3]

17. What would be a reasonable length of an event for you?

[Display if Q15d < 3]

18. What else could Ameren Missouri do to keep you informed about the program?

[Display if Q15e < 3]

19. How much notification would you consider to be sufficient?

3.6 Participant Satisfaction

20. How likely is it that you will participate in the Peak Time Savings Program next year?

[SCALE: 0 (Not at all likely) = 0, 1 = 1, 2 = 2, 3 = 3, 4 = 4, 5 = 5, 6 = 6, 7 = 7, 8 = 8, 9 = 9, 10 (Very likely) = 10]

Residential Demand Response Survey Instrument

21. What might cause you to not participate in the program next year?

22. How satisfied are you with the Peak Time Savings Program, overall?

    1.   Very dissatisfied
    2.   Somewhat dissatisfied
    3.   Neither satisfied nor dissatisfied
    4.   Somewhat satisfied
    5.   Very satisfied

23. Why were you dissatisfied?

3.7 Demographics/Home Characteristics

24. The following questions are about your household. Your responses are completely confidential and will be used to assess how well participants in this program resemble Ameren Missouri's customer population. It is okay to not answer any of these questions.

25. Is your smart thermostat programmed to maintain specific temperatures at different times of the day?

    1. Yes
    2. No
    98. Not sure

26. Do you rent or own the residence located at [Address]?

    1.   Rent
    2.   Own
    99.   Prefer not to answer

27. Is the residence located at [Address]…

    1.   Your primary residence
    2.   A residence that you rent to someone else
    3.   A vacation property that is not occupied year-round
    4.   Something else (please specify)

Residential Demand Response Survey Instrument

99.   Prefer not to answer

28. Which of the following best describes the residence located at [Address]?

    1.   Single-family home
    2.   Manufactured or mobile home
    3.   Duplex or townhome
    4.   Apartment or condominium
    5.   Other (please specify)
    98.   I don't know
    99.   Prefer not to answer

29. Approximately when was your home built?

    1.   Before 1960
    2.   1960 to 1979
    3.   1980 to 1999
    4.   2000 to 2009
    5.   2010 to 2019
    6.   2020 or later
    98.   I don't know
    99.   Prefer not to answer

30. What is the main fuel used for heating your home?

    1.   Electricity
    2.   Natural gas
    3.   Propane
    4.   Oil
    5.   Don't heat home
    6.   Something else (please specify)
    98.   I don't know
    99.   Prefer not to answer

31. What fuel does your main water heater use?

    1.   Electricity
    2.   Natural gas
    3.   Propane
    4.   Something else (please specify)
    5.   Do not have hot water
    98.   I don't know
    99.   Prefer not to answer

32. What is your age?

    1.   18 – 24
    2.   25 – 34
    3.   35 – 44

4. 45 – 54
5. 55 – 64
6. 65 – 74
7. 75+
99. Prefer not to answer

33. What is the primary language used in your household?

1. English
2. Spanish
3. Other (please specify)
99. Prefer not to answer

34. Which of the following best describes your highest education level?

1. Some high school, no diploma
2. High school graduate, diploma or the equivalent (for example: GED)
3. Some college credit, no degree
4. Associate's degree (including trade school, technical or vocational training)
5. Bachelor's degree
6. Master's degree
7. Professional degree
8. Doctorate degree
99. Prefer not to answer

35. How many people reside in your household year-round?

1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
7. 7
8. 8 or more
99. Prefer not to answer

[If Q35 =1, set less_than =$45,000, between = $45,001 and $90,000, more_than = $90,000

If Q35 =2, set less_than = $50,000, between = $50,001 and $100,000, more_than = $100,000

If Q35 =3, set less_than = $60,000, between = $60,001 and $110,000, more_than = $110,000

If Q35 =4, set less_than = $65,000, between = $65,001 and $125,000, more_than = $125,000

If Q35 =5, set less_than = $70,000, between = $70,001 and $135, 000, more_than = $135, 000

If Q35 =6, set less_than = $75,000, between = $75,001 and $140,000, more_than = $140,000

Residential Demand Response Survey Instrument

If Q35 =7, set less_than = $80,000, between = $80,001 and $150,000, more_than = $150,000

If Q35 =8, set less_than = $85,000, between = $85,001 and $160,000, more_than = $160,000]

[Display if Q35 = 1-8]

36. Which of the following best describes your household annual income?

    1.   Less than [less_than]
    2.   Between [between]
    3.   More than [more_than]
    99.   Prefer not to answer

4 Business Demand Response Survey Instrument

Variable Name	Variable Definition
Organization_Name	Name of the organization
Building_Type	Type of building or business
Initial_Enrollment	Date of initial enrollment

Research Topic	Survey Questions
Initial source of awareness and motivation for participating	Q2 – Q3
Event notification process	Q4 – Q7
Participation in events	Q8 – Q15
Participant satisfaction	Q16 – Q23
Firmographics	Q24 – Q**Error! Reference source not found.**

1. Our records indicate that your business participated in Ameren Missouri's Demand Response Program.

   Are you familiar with your organization's participation in this program?
   1. Yes
   2. No **[Terminate]**

4.1 Awareness and Motivation

[Display if Initial_Enrollment is after June 2022]

2. How did you first learn of Ameren Missouri's Demand Response Program?

[Randomize order of 1-10]

   1. From an Ameren Missouri Account Representative
   2. From an Enel X program representative
   3. From social media such as Facebook or LinkedIn
   4. From a YouTube video
   5. From an internet search
   6. Received an Ameren Missouri email blast or electronic newsletter
   7. From a program sponsored webinar
   8. From Ameren Missouri's website

      9.   Friends or colleagues

      10.   Through experience with a BizSaver's energy efficiency program

      11.   Other (please explain)

      98.   Don't know

3. Why does your organization participate in this program? (Select all that apply)

[Multiselect] [Randomize order of 1-7]

    1. To earn the Demand Response Program payment

    2. To improve your organization's energy management

    3. To protect equipment by shutting it down during events

    4. To contribute to grid stability and prevent blackouts/brownouts

    5. To help lower electricity costs for all ratepayers

    6. To comply with company policy

    7. For the environmental benefits of reducing peak period electricity usage

4.2 Event Notifications

4. How did you receive notifications about peak energy events this year? Please select all that apply.

[Multiselect]

    1. Email

    2. Text message

    3. Phone notification

    4. I did not receive any notifications

[Display if Q4 = 1 - 3]

5. Have the notifications provided enough notice for you to implement your load reduction plan?

    1. Yes

    2. Sometimes

    3. No

    98. Don't know

[Display if Q5 = 2 or 3]

6. How much notice do you need to implement your load reduction plan?

7. Is there anything about the event notification process that you think could be improved?

Business Demand Response Survey Instrument

4.3 Event Participation

8. Out of the [Event_Count] dispatch events this season, how many times did your organization take steps to reduce electrical load?

[Adjust response options to align with number of events.]

> 0. None
> 1. 1
> 2. 2
> 3. 3
> 4. 4
> 5. 5

9. Does your organization currently use an automated demand response system?

Automated Demand Response (ADR) is a system that enables businesses and organizations to automatically reduce their energy usage during peak demand events without requiring any manual intervention.

> 1. Yes
> 2. No
> 98. Not sure

[Display if Q9 = 2]

10. Would your organization be interested in implementing an ADR system?

> 1. Yes
> 2. No

[Display if Q10 = 1]

11. Are you interested in a program representative following up with you about implementing an ADR system?

> 1. Yes
> 2. No

12. What types of actions does your organization take to reduce electrical load during a peak event? Please select all that apply.

[Multiselect]

> 1. Reduce lighting
> 2. Adjust air conditioning settings
> 3. Switch to on-site generation

Business Demand Response Survey Instrument

4. Use battery storage systems
5. Alter operating hours
6. Reduce or shut-down non-essential equipment
7. Implement demand response software solutions
8. Encourage remote work for employees
9. Other (Please describe)

13. Did your organization face any challenges in reducing load during peak events this year?

1. Yes
2. No

[Display if Q13 = 1]

14. What kinds of challenges did you have?

[Display if Q13 = 1]

15. Is there anything the program could do to help reduce those challenges in the future?

4.4 Participant Satisfaction

16. Reflecting on your participation in the program over the past year, please indicate your level of agreement with the following statements:

[Response scale: 1 = Strongly disagree to 5 = Strongly agree]

a.   The number of events was acceptable.
b.   The duration of the events was reasonable.
c.   Ameren Missouri / Enel X kept me well informed about the program.

[Display if Q15a < 3]

17. How many events would be acceptable to you?

[Display if Q15b < 3]

18. What would be a reasonable length of an event for you?

[Display if Q15d < 3]

19. What else could Ameren Missouri do to keep you informed about the program?

20. How likely is it that you will participate in the Demand Response Program next year?

[SCALE: 0 (Not at all likely) = 0, 1 = 1, 2 = 2, 3 = 3, 4 = 4, 5 = 5, 6 = 6, 7 = 7, 8 = 8, 9 = 9, 10 (Very likely) = 10]

Business Demand Response Survey Instrument

21. Why might you not participate in the program next year? Please select all that apply.

[Randomize 1 – 8]

    1. Demand Response Program payment was not worth it
    2. Did not realize energy management benefits
    3. Did not realize equipment protection benefits
    4. Do not believe that program grid stability and prevent blackouts/brownouts
    5. Do not believe that program helps lower electricity costs for all ratepayers
    6. Because of a company policy change
    7. Do not believe that program provides environmental benefits
    8. Difficulty implementing demand reductions during events
    9. For some other reason (Please explain)

22. How satisfied are you with the Demand Response Program, overall?

    1.   Very dissatisfied
    2.   Somewhat dissatisfied
    3.   Neither satisfied nor dissatisfied
    4.   Somewhat satisfied
    5.   Very satisfied

23. Why were you dissatisfied?

4.5 Firmographics

24. Does your organization operate additional facilities that also receive electricity service from Ameren Missouri?

    1.   Yes
    2.   No

25. Do any of those facilities not participate in the Ameren Missouri program?

    1.   Yes
    2.   No

26. Does your organization operate additional facilities that **do not** receive electricity service from Ameren Missouri?

Business Demand Response Survey Instrument

1. Yes
2. No

27. Does your organization participate in demand response programs at those other locations?

1. Yes
2. No

5 Residential Demand Response Survey Responses

Q1 - Our records indicate that your household participated in Ameren Missouri's Peak Time Savings Program. Through this program Ameren Missouri makes temporary adjustments to your thermostat to ease energy use during times of high energy use. Are you familiar with your household's participation in this program?

#	Answer	%	Count
1	Yes	100.0%	160
2	No	0.0%	0
	Total	100%	160

Q2 - How did you first learn of Ameren Missouri's Peak Time Savings Program?

#	Answer	%	Count
1	Social media (Facebook, Instagram)	0.0%	0
2	Ameren Missouri's website	17.7%	11
3	Friend, family member, or colleague	0.0%	0
4	Bill inserts or utility mailer	24.2%	15
5	Email from Ameren Missouri	50.0%	31
6	Internet search (e.g., Google search) or internet advertisement	0.0%	0
7	Print advertisement	0.0%	0
8	TV advertisement	0.0%	0
9	Community event	0.0%	0
10	Other (Please specify)	6.5%	4
98	I don't know	1.6%	1
	Total	100%	62

Q3 - Why did you choose to participate in this program? (Select all that apply)

#	Answer	%	Count
1	To take part in an energy savings initiative	46.8%	29
2	Recommended to me by Ameren Missouri	12.9%	8
3	The initial signup bonus	41.9%	26
4	The annual bonus for continued participation	38.7%	24
5	To reduce environmental impact by using less energy	40.3%	25
6	To decrease my energy costs	64.5%	40
7	To contribute to grid stability and efficiency	37.1%	23
8	Other (please specify)	0.0%	0
	Total	100%	62

Q4 - Did you have any concerns about participating in the Peak Time Savings Program before enrolling in it?

#	Answer	%	Count
1	Yes	24.6%	15
2	No	68.9%	42
98	Don't recall	6.6%	4
	Total	100%	61

Q5 - What concerns did you have?   (Please select all that apply)

#	Answer	%	Count
1	Concerns about being uncomfortable during energy reduction events	60.0%	9

Residential Demand Response Survey Responses

#	Answer	%	Count
2	Concerns about the utility's control over my HVAC system (e.g., AC shutoff, inability to control temperature)	80.0%	12
3	Concerns about privacy or security	33.3%	5
4	Other concerns (Please specify)	0.0%	0
	Total	100%	15

Q6 - How have you received information on how the program works? (Select all that apply)

#	Answer	%	Count
1	Contacted the program directly	0.0%	0
2	Program website	26.2%	16
3	Ameren Missouri email or newsletter	72.1%	44
4	Ameren Missouri mailing	27.9%	17
5	Other (please specify)	1.6%	1
6	Have not seen information on how the program works	1.6%	1
98	Do not recall	3.3%	2
	Total	100%	61

Q7 - Thinking about any information you received or viewed, how well did it address your questions?

#	Answer	%	Count
1	1 (Not at all)	3.4%	2
2	2	5.1%	3
3	3	11.9%	7
4	4	27.1%	16
5	5 (Completely)	37.3%	22

Residential Demand Response Survey Responses

#		%	Count
6	I did not review any information before I decided to participate	15.3%	9
	Total	100%	59

Q9 - Using the scale below, how would you rate the process of enrolling your thermostat in the program?

#	Answer	%	Count
1	1 (Very difficult)	1.6%	1
2	2	1.6%	1
3	3	4.9%	3
4	4	13.1%	8
5	5 (Very easy)	78.7%	48
	Total	100%	61

Q12 - I can opt out of an event by changing my thermostat temperature.

#	Answer	%	Count
1	True	86.1%	136
2	False	13.9%	22
	Total	100%	158

Q13 - My home will be cooled to a lower temperature before an event to keep it more comfortable.

#	Answer	%	Count
1	True	94.9%	150
2	False	5.1%	8

Residential Demand Response Survey Responses

		Total		100%			158

Q14 - Thinking about the peak energy events that occurred during the year, did you receive notifications for these events through any of the following methods? Please check all that apply.

#	Answer	%	Count
1	Email	83.1%	133
2	Mobile application notification	27.5%	44
3	I did not receive any notifications	6.9%	11
	Total	100%	160

Q15 - Reflecting on your participation in the program over the past few months, please indicate your level of agreement with the following statements:

#	Question	1 (Strongly disagree)		2 (Somewhat disagree)		3 (Neither agree nor disagree)		4 (Somewhat agree)		5 (Strongly agree)		Total
1	The number of events was acceptable.	8.2%	13	3.8%	6	12.6%	20	20.1%	32	55.3%	88	159
2	The frequency of events was acceptable.	8.2%	13	4.4%	7	13.3%	21	20.9%	33	53.2%	84	158
3	The duration of the events was	8.2%	13	7.0%	11	10.8%	17	27.2%	43	46.8%	74	158

Residential Demand Response Survey Responses

#		%		%		%		%		%		Total
	reasonable.											
4	My home remained comfortable on event days.	10.7%	17	13.2%	21	11.9%	19	28.9%	46	35.2%	56	159
5	Ameren Missouri kept me well informed about the program.	7.6%	12	6.3%	10	10.1%	16	23.4%	37	52.5%	83	158
6	Notifications of events were timely.	7.5%	11	3.4%	5	6.8%	10	24.5%	36	57.8%	85	147

Q20 - How likely is it that you will participate in the Peak Time Savings Program next year?

#	Answer	%	Count
0	0 (Not at all likely)	6.9%	11
1	1	0.6%	1
2	2	1.9%	3
3	3	1.3%	2
4	4	1.3%	2
5	5	3.1%	5
6	6	3.1%	5
7	7	5.6%	9
8	8	9.4%	15
9	9	5.6%	9
10	10 (Very likely)	61.3%	98

Residential Demand Response Survey Responses

	Total	100%	160

Q22 - How satisfied are you with the Peak Time Savings Program, overall?

#	Answer	%	Count
1	Very dissatisfied	7.5%	12
2	Somewhat dissatisfied	5.0%	8
3	Neither satisfied nor dissatisfied	14.5%	23
4	Somewhat satisfied	22.6%	36
5	Very satisfied	50.3%	80
	Total	100%	159

Q25 - Is your smart thermostat programmed to maintain specific temperatures at different times of the day?

#	Answer	%	Count
1	Yes	77.5%	124
2	No	18.1%	29
98	Not sure	4.4%	7
	Total	100%	160

Q26 - Do you rent or own the residence that participated in the Peak Time Savings Program?

#	Answer	%	Count
1	Rent	4.4%	7
2	Own	95.6%	152

Residential Demand Response Survey Responses

#	Answer	%	Count
99	Prefer not to answer	0.0%	0
	Total	100%	159

Q27 - Is this residence…

#	Answer	%	Count
1	Your primary residence	97.5%	156
2	A residence that you rent to someone else	0.0%	0
3	A vacation property that is not occupied year-round	1.3%	2
4	Something else (please specify)	0.6%	1
99	Prefer not to answer	0.6%	1
	Total	100%	160

Q28 - Which of the following best describes this residence?

#	Answer	%	Count
1	Single-family home	83.6%	133
2	Manufactured or mobile home	0.0%	0
3	Duplex or townhome	6.9%	11
4	Apartment or condominium	6.9%	11
5	Other (please specify)	2.5%	4
98	I don't know	0.0%	0
99	Prefer not to answer	0.0%	0
	Total	100%	159

Q29 - Approximately when was your home built?

#	Answer	%	Count
1	Before 1960	20.4%	32
2	1960 to 1979	22.9%	36
3	1980 to 1999	25.5%	40
4	2000 to 2009	19.7%	31
5	2010 to 2019	8.9%	14
6	2020 or later	1.3%	2
98	I don't know	1.3%	2
99	Prefer not to answer	0.0%	0
	Total	100%	157

Q30 - What is the main fuel used for heating your home?

#	Answer	%	Count
1	Electricity	22.0%	35
2	Natural gas	76.1%	121
3	Propane	0.6%	1
4	Oil	0.0%	0
5	Don't heat home	0.0%	0
6	Something else (please specify)	0.6%	1
98	I don't know	0.6%	1
99	Prefer not to answer	0.0%	0
	Total	100%	159

Residential Demand Response Survey Responses

Q31 - What fuel does your main water heater use?

#	Answer	%	Count
1	Electricity	24.8%	39
2	Natural gas	73.2%	115
3	Propane	0.0%	0
4	Something else (please specify)	0.0%	0
5	Do not have hot water	0.0%	0
98	I don't know	1.9%	3
99	Prefer not to answer	0.0%	0
	Total	100%	157

Q32 - What is your age?

#	Answer	%	Count
1	18 – 24	0.0%	0
2	25 – 34	0.6%	1
3	35 – 44	10.1%	16
4	45 – 54	16.4%	26
5	55 – 64	28.3%	45
6	65 – 74	27.0%	43
7	75+	15.1%	24
99	Prefer not to answer	2.5%	4
	Total	100%	159

Q33 - What is the primary language used in your household?

#	Answer	%	Count
1	English	99.4%	157
2	Spanish	0.0%	0
3	Other (please specify)	0.0%	0
99	Prefer not to answer	0.6%	1
	Total	100%	158

Q34 - Which of the following best describes your highest education level?

#	Answer	%	Count
1	Some high school, no diploma	0.0%	0
2	High school graduate, diploma or the equivalent (for example: GED)	6.9%	11
3	Some college credit, no degree	15.1%	24
4	Associate's degree (including trade school, technical or vocational training)	10.1%	16
5	Bachelor's degree	31.4%	50
6	Master's degree	21.4%	34
7	Professional degree	4.4%	7
8	Doctorate degree	4.4%	7
99	Prefer not to answer	6.3%	10
	Total	100%	159

Q35 - How many people reside in your household year-round?

#	Answer	%	Count
1	1	21.4%	34
2	2	50.3%	80
3	3	13.2%	21
4	4	9.4%	15
5	5	2.5%	4
6	6	0.6%	1
7	7	0.0%	0
8	8 or more	0.0%	0
99	Prefer not to answer	2.5%	4
	Total	100%	159

Q36 - Which of the following best describes your household annual income?

#	Answer	%	Count
1	Less than ${e://Field/less_than}	9.7%	15
2	Between ${e://Field/between}	27.7%	43
3	More than ${e://Field/more_than}	36.8%	57
99	Prefer not to answer	25.8%	40
	Total	100%	155

6 Business Demand Response Survey Responses

Q1 - Our records indicate that your business participated in Ameren Missouri's Demand Response Program.   Are you familiar with your organization's participation in this program?

#	Answer	%	Count
1	Yes	100.0%	18
2	No	0.0%	0
	Total	100%	18

Q2 - How did you first learn of Ameren Missouri's Demand Response Program?

#	Answer	%	Count
1	From an Ameren Missouri Account Representative	16.7%	1
2	From an Enel X program representative	33.3%	2
3	From social media such as Facebook or LinkedIn	0.0%	0
4	From a YouTube video	0.0%	0
5	From an internet search	0.0%	0
6	Received an Ameren Missouri email blast or electronic newsletter	16.7%	1
7	From a program sponsored webinar	0.0%	0
8	From Ameren Missouri's website	0.0%	0
9	Friends or colleagues	0.0%	0
10	Through experience with a BizSaver's energy efficiency program	0.0%	0
11	Other (please explain)	33.3%	2
12	Don't know	0.0%	0
	Total	100%	6

Q3 - Why does your organization participate in this program?   (Select all that apply)

#	Answer	%	Count
1	To earn the Demand Response Program payment	88.9%	16
2	To improve your organization's energy management	50.0%	9
3	To protect equipment by shutting it down during events	5.6%	1
4	To contribute to grid stability and prevent blackouts/brownouts	66.7%	12
5	To help lower electricity costs for all ratepayers	44.4%	8
6	To comply with company policy	0.0%	0
7	For the environmental benefits of reducing peak period electricity usage	50.0%	9
	Total	100%	18

Q4 - How did you receive notifications about peak energy events this year? Please select all that apply.

#	Answer	%	Count
1	Email	100.0%	18
2	Text message	94.4%	17
3	Phone notification	88.9%	16
4	I did not receive any notifications	0.0%	0
	Total	100%	18

Business Demand Response Survey Responses

Q5 - Have the notifications provided enough notice for you to implement your load reduction plan?

#	Answer	%	Count
1	Yes	94.4%	17
2	Sometimes	5.6%	1
3	No	0.0%	0
98	Don't know	0.0%	0
	Total	100%	18

Q8 - Out of the [Field-Event_Count] dispatch events this season, how many times did your organization take steps to reduce electrical load?

#	Answer	%	Count
1	None	0.0%	0
2	1	22.2%	4
3	2	77.8%	14
4	3	0.0%	0
5	4	0.0%	0
6	5	0.0%	0
	Total	100%	18

Q9 - Does your organization currently use an automated demand response system? Automated Demand Response (ADR) is a system that enables businesses and organizations to automatically reduce their energy usage during peak demand events without requiring any manual intervention.

#	Answer	%	Count
1	Yes	5.6%	1
2	No	94.4%	17
98	Not sure	0.0%	0
	Total	100%	18

Q10 - Would your organization be interested in implementing an ADR system?

#	Answer	%	Count
1	Yes	5.9%	1
2	No	94.1%	16
	Total	100%	17

Q11 - Are you interested in a program representative following up with you about implementing an ADR system?

#	Answer	%	Count
1	Yes	100.0%	1
2	No	0.0%	0
	Total	100%	1

Business Demand Response Survey Responses

Q12 - What types of actions does your organization take to reduce electrical load during a peak event?   Please select all that apply.

#	Answer	%	Count
1	Reduce lighting	55.6%	10
2	Adjust air conditioning settings	50.0%	9
3	Switch to on-site generation	5.6%	1
4	Use battery storage systems	0.0%	0
5	Alter operating hours	38.9%	7
6	Reduce or shut-down non-essential equipment	83.3%	15
7	Implement demand response software solutions	0.0%	0
8	Encourage remote work for employees	5.6%	1
9	Other (Please describe)	22.2%	4
	Total	100%	18

Q13 - Did your organization face any challenges in reducing load during peak events this year?

#	Answer	%	Count
1	Yes	44.4%	8
2	No	55.6%	10
	Total	100%	18

Q16 - Reflecting on your participation in the program over the past year, please indicate your level of agreement with the following statements:

#	Question	1Strongly disagree		2		3		4		5Strongly agree		Total
1	The number of events was acceptable.	0.0%	0	11.1%	2	0.0%	0	33.3%	6	55.6%	10	18
2	The duration of the events was reasonable.	0.0%	0	0.0%	0	5.6%	1	33.3%	6	61.1%	11	18
3	Ameren Missouri / Enel X kept me well informed about the program.	0.0%	0	0.0%	0	5.6%	1	33.3%	6	61.1%	11	18

Q20 - How likely is it that you will participate in the Demand Response Program next year?

#	Answer	%	Count
0	0 (Not at all likely)	0.0%	0
1	1	0.0%	0
2	2	0.0%	0
3	3	0.0%	0
4	4	0.0%	0
5	5	0.0%	0
6	6	0.0%	0
7	7	0.0%	0
8	8	5.6%	1
9	9	5.6%	1
10	10 (Very likely)	88.9%	16
	Total	100%	18

Business Demand Response Survey Responses

Q21 - Why might you not participate in the program next year?   Please select all that apply.

#	Answer	%	Count
1	Demand Response Program payment was not worth it	0.0%	0
2	Did not realize energy management benefits	0.0%	0
3	Did not realize equipment protection benefits	0.0%	0
4	Do not believe that program grid stability and prevent blackouts/brownouts	0.0%	0
5	Do not believe that program helps lower electricity costs for all ratepayers	0.0%	0
6	Because of a company policy change	0.0%	0
7	Do not believe that program provides environmental benefits	0.0%	0
8	Difficulty implementing demand reductions during events	0.0%	0
9	For some other reason (Please explain)	0.0%	0
	Total		0

Q22 - How satisfied are you with the Demand Response Program, overall?

#	Answer	%	Count
1	Very dissatisfied	0.0%	0
2	Somewhat dissatisfied	5.6%	1
3	Neither satisfied nor dissatisfied	0.0%	0
4	Somewhat satisfied	50.0%	9
5	Very satisfied	44.4%	8
	Total	100%	18

Q24 - Does your organization operate additional facilities that also receive electricity service from Ameren Missouri?

#	Answer	%	Count
1	Yes	27.8%	5
2	No	72.2%	13
	Total	100%	18

Q25 - Do any of those facilities not participate in the Ameren Missouri program?

#	Answer	%	Count
1	Yes	80.0%	4
2	No	20.0%	1
	Total	100%	5

Q26 - Does your organization operate additional facilities that do not receive electricity service from Ameren Missouri?

#	Answer	%	Count
1	Yes	44.4%	8
2	No	55.6%	10
	Total	100%	18

Q27 - Does your organization participate in demand response programs at those other locations?

#	Answer	%	Count
1	Yes	28.6%	2
2	No	71.4%	5
	Total	100%	7