



Electricity Burdens on Hawai'i Households: 2022 Update



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**Research and Economic Analysis
Division**

**Department of Business, Economic
Development & Tourism
State of Hawai'i**

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Executive Summary

Household electricity burden—the percentage of household income spent on electricity bills—is one of the key elements contributing to a household's energy insecurity, especially for low-income households.

Based on the most recent (2022) estimates from the Low-Income Energy Affordability Data (LEAD) Tool, developed by the U.S. Department of Energy (DOE) and National Renewable Energy Laboratory (NREL):

- The average monthly electricity cost paid by Hawai'i households in 2022 was \$221.
- Hawai'i households faced the highest electricity costs, on average, compared to the rest of the nation. When all sources of energy are considered (including gas, fuel oil, coal, etc.) Hawai'i ranked 11th in energy costs. States with higher energy costs include states with large expenditures on gas and other fuels to heat their homes, such as New Hampshire, Connecticut, Vermont, Maine, Alaska, and Massachusetts. Over 93% of household energy costs in Hawai'i are electricity costs.
- Hawai'i's average (mean) household income was \$125,929, the 7th highest in the nation. Hawai'i's average household electricity burden, calculated as the ratio between average household electricity costs and average household income, was 2.1% and ranked the 5th highest in the nation.
- Factors affecting electricity burden included household income, electricity price, house tenure, and building structure.
- Renter households experienced a larger electricity burden, on average, than owner households (2.9% versus 1.9%).
- Households living in condos or apartments faced a slightly higher electricity burden than those living in single-family houses (2.4% versus 2.0%).
- Extremely low-income households had significantly heavier electricity burdens. Households earning less than 30% of Area Median Income (AMI) spent 13.9% of their income on electricity bills, over six times the average electricity burden of overall Hawai'i households.
- Households with incomes below the Federal Poverty Level (FPL) spent 19.5% of their income on electricity costs, over nine times higher than the average electricity burden of overall Hawai'i households.
- Households in Hawai'i County and Maui County had higher electricity costs and lower household incomes, resulting in higher electricity burdens (2.7% and 2.2%, respectively). Kaula'i County had the lowest average electricity cost among all counties; however, its average household income was also relatively low. Households in Kaula'i County faced an energy burden of 2.1%, while those in Honolulu County had an average energy burden of 2.0%.

Introduction

Household electricity burden—the percentage of household income spent on electricity bills—is one of the key elements contributing to a household's energy insecurity. Households experiencing energy insecurity may be forced to choose between spending on basic necessities such as food and medicine and paying their energy bills. Low-income households are disproportionately impacted by energy insecurity.¹

In 2022, the Hawai'i State Legislature adopted Senate Concurrent Resolution No. 48 S.D. 1, which requested that the Hawai'i Public Utilities Commission (PUC), in consultation with the Division of Consumer Advocacy, consider ways to alleviate high energy burdens for low- and moderate-income customers.² In December 2022, the PUC opened Docket No. 2022-0250 to investigate energy equity issues, including addressing energy affordability and payment assistance. Work in this docket is ongoing.³

This report provides a snapshot of the electricity burdens faced by Hawai'i households in 2022 based on the most recent estimates available from the Low-Income Energy Affordability Data (LEAD) Tool. The LEAD Tool was developed by the U. S. Department of Energy (DOE) and National Renewable Energy Laboratory (NREL).⁴ Based on the LEAD estimates, electricity costs comprise 93.2% of household energy costs in Hawai'i, with 6.4% of energy costs attributed to gas. LEAD estimates come primarily from the U.S. Census Bureau's American Community Survey (ACS) 2022 Public Use Microdata Samples (5-Year Average, 2018-2022), calibrated to the U.S. Energy Information Administration's electric utility (Survey Form-861) and natural gas utility (Survey Form-176) data for 2022.

Using LEAD estimates, the average electricity burden is calculated as follows:

$$\text{Average electricity burden} = \frac{\text{Average annual electricity cost}}{\text{Average annual household income}} \times 100$$

Average monthly electricity costs and average household electricity burdens across all households and among subgroups are calculated to identify groups that spend disproportionately more of their income on electricity bills. Calculations are done by housing tenure (renters vs. owners), building structure (single family homes vs. condominium or apartment units), and by income level, at the state, county, and census tract levels.

¹ "Energy Insecurity in the United States, Fact Sheet" Center on Global Energy Policy, Columbia University School of International and Public Affairs, October 2023. <https://www.energypolicy.columbia.edu/publications/energy-insecurity-in-the-united-states/> See also "Energy Insecurity and Health: America's Hidden Hardship," Health Affairs Health Policy Brief, June 29, 2023.

<https://www.healthaffairs.org/doi/10.1377/hpb20230518.472953/full/>

² https://www.capitol.hawaii.gov/sessions/session2022/bills/SCR48_SD1_.pdf See also House Resolution 43 HD1 and Senate Resolution 43 SD1 adopted as part of the 2022 Legislative Session.

³ For a summary of Docket No. 2022-0250 and upcoming meetings and events, see

<https://puc.hawaii.gov/energy/equity/>

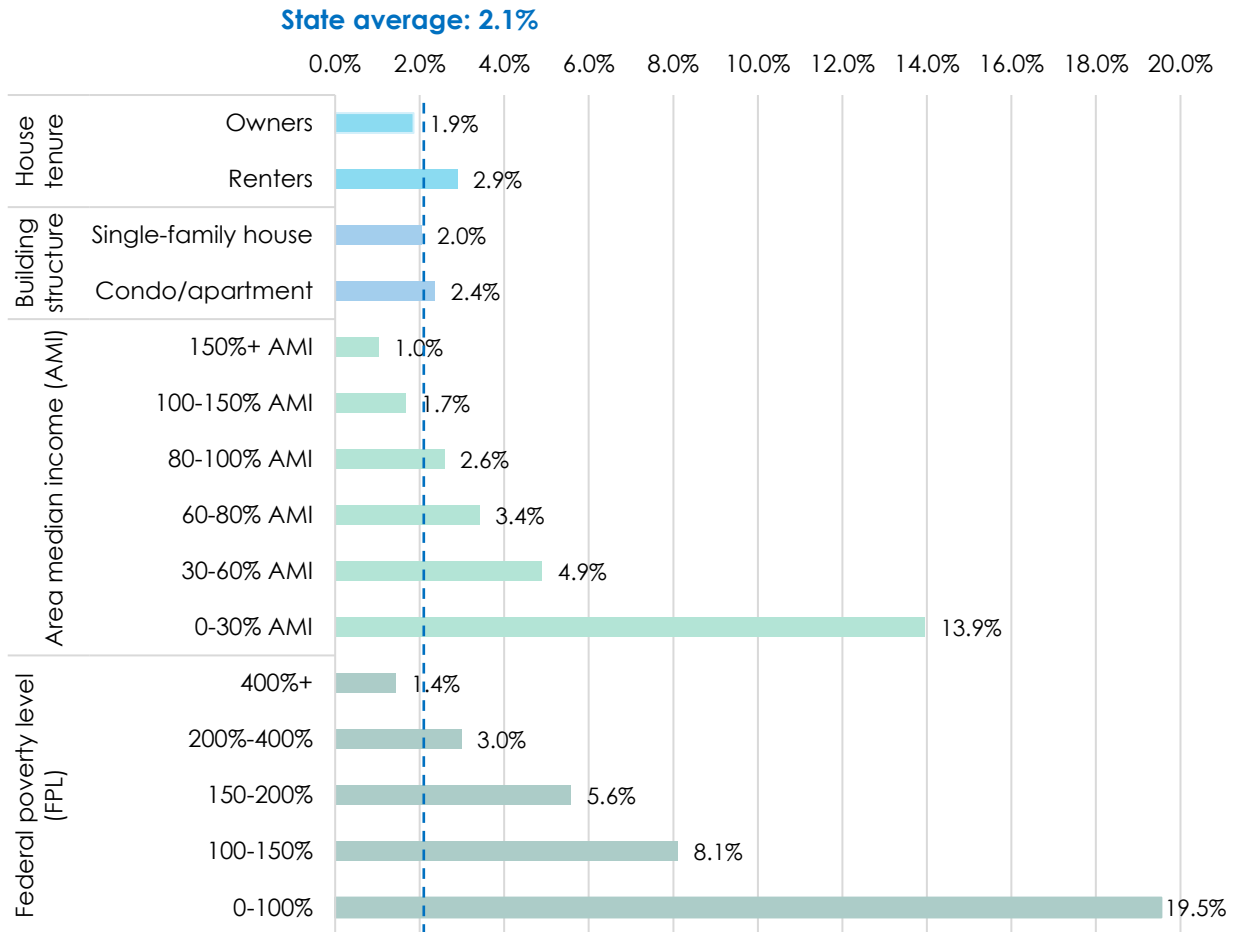
⁴ U.S. Department of Energy, Office of State and Community Energy Programs. (2024). LEAD Tool Methodology. https://www.energy.gov/sites/default/files/2024-12/lead-methodology_122024.pdf

Electricity Burdens in the State of Hawai'i

Electricity Burdens on Hawai'i Households

Hawai'i households spent an average of 2.1% of their income on electricity bills in 2022. Figure 1 presents state average electricity burdens on Hawai'i households by subgroup.

Figure 1. Electricity burdens for Hawai'i households by house tenure, building structure, and income levels compared to the state average electricity burden, 2022



Notes: Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data accessed 12/16/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Key findings include:

- Renter households experienced a larger electricity burden than owner households (2.9% versus 1.9%).
- Households living in condos or apartments faced a slightly higher electricity burden than those living in single-family houses (2.4% versus 2.0%).
- Households with extremely low-income faced much heavier electricity burdens.

- Households earning less than 30% of Area Median Income (AMI) spent 13.9% of their income on electricity bills, facing an average electricity burden over six times the average electricity burden experienced by Hawai'i households overall.
- Households below the Federal Poverty Level (FPL) spent 19.5% of their income on electricity costs, over nine times higher than the average electricity burden of Hawai'i households overall.

Table 1 presents average household income and monthly electricity cost for Hawai'i households by subgroup. Renter households spent more of their income on electricity, their higher electricity burden resulting in part from lower income. The average monthly electricity cost of renter households was \$208.6, compared with \$227.3 of owner households. However, the average annual income of renter households was much lower than that of owner households (\$86,629 versus \$147,112).

Table 1. Average monthly electricity cost and electricity burden for Hawai'i households, 2022

Household Type		Housing count ¹	Average annual income	Average monthly electricity cost	Average electricity burden ²
All households		483,906	\$125,929	\$221.3	2.1%
House tenure	Owners	298,816	\$147,112	\$227.3	1.9%
	Renters	185,090	\$86,629	\$208.6	2.9%
Building structure³	Single-family house	318,972	\$141,623	\$240.4	2.0%
	Condo/apartment	163,352	\$90,980	\$179.3	2.4%
Area median income (AMI)	150%+ AMI	72,848	\$236,089	\$201.3	1.0%
	100-150% AMI	148,297	\$188,570	\$260.9	1.7%
	80-100% AMI	57,014	\$104,865	\$225.8	2.6%
	60-80% AMI	58,803	\$74,277	\$211.3	3.4%
	30-60% AMI	85,189	\$48,002	\$195.8	4.9%
	0-30% AMI	66,494	\$15,590	\$181.1	13.9%
Federal poverty level (FPL)	400%+	231,905	\$185,024	\$219.7	1.4%
	200%-400%	144,049	\$95,302	\$237.3	3.0%
	150-200%	32,162	\$44,585	\$207.3	5.6%
	100-150%	29,733	\$31,487	\$212.8	8.1%
	0-100%	46,057	\$11,648	\$189.8	19.5%

1. The sums of housing units of some subgroups are not necessarily equal to total housing units due to rounding.
 2. Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.
 3. Other building structures, including mobile homes, trailers, boats, RVs, vans, etc., are excluded from this table. These comprise 0.3% of all households.
 Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data accessed 12/16/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Households living in condos or apartments spent an average of \$179.3 on electricity bills per month, much lower than the \$240.4 spent by households living in single-family houses. This is not surprising because single-family houses are often bigger in size and have larger square footage than condos and apartments. Some single-family homeowners can, however, offset at least part of their electricity costs by using solar power, thus bringing down the

average electricity costs of all single-family houses. At the end of 2022, Hawaiian Electric reported that 22% of the residential customers in its service areas (Honolulu County, Maui County, Hawai'i County) had rooftop solar, with the percentage reaching 37% for those in single-family homes.⁵

Electricity costs tend to increase with income levels, although households in the highest income category by AMI (150%+ AMI) face relatively low electricity costs, consistent with increased rooftop solar investments. Electricity burdens consistently decrease with income; households with lower income levels tend to spend a higher proportion of their income on electricity bills. The next subsection looks at households with incomes below the Federal Poverty Guideline in more detail.

Electricity Burdens on Hawai'i Households Below the Federal Poverty Level

Table 2 shows the average electricity costs and electricity burdens for households with incomes below the Federal Poverty Level by house tenure and building structure. Contrary to the state overall patterns, owner households below FPL or those living in single-family houses below FPL experienced higher electricity burdens. Among households below FPL, owners spent up to 24.0% of their income on electricity, compared with 17.1% for the renters. Households living in single-family houses spent 21.2% of their income on electricity, versus 17.0% for those living in condos or apartments.

Table 2. Average monthly electricity cost and electricity burden for households below the Federal poverty level

Household Type	Housing count	Average annual income	Average monthly electricity cost	Average electricity burden ¹
All households below the Federal poverty level	46,057	\$11,648	\$189.8	19.5%
House tenure	Owners	\$10,280	\$205.5	24.0%
	Renters	\$12,508	\$178.2	17.1%
Building structure²	Single-family house	\$12,098	\$213.3	21.2%
	Condo/apartment	\$11,552	\$163.9	17.0%

1. Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

2. A small number of other building structures, including mobile homes, trailers, boats, RVs, vans, etc., are excluded from this table.

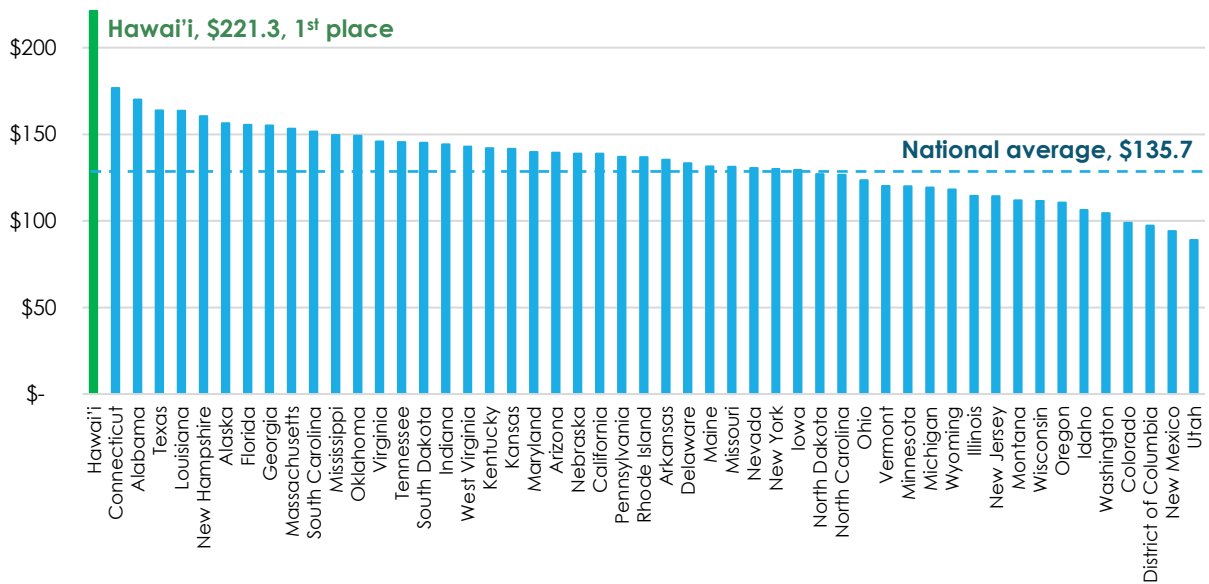
Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data accessed 12/17/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

⁵ <https://www.hawaiianelectric.com/hawaiian-electric-sees-brisk-pace-of-solar-installations>. Some condominium owners or renters may also participate in community solar, though projects are limited. See <https://communityenergyhawaii.com/>. Landlords and property owners may invest in solar PV systems or water heaters, however, it is unclear whether they face incentives to make such investments if renters pay the electric bill (split incentive problem). The Hawaii Green Infrastructure Authority's Green Energy Money Saver On-Bill Financing program is intended to help address this issue by providing long-term financing under terms that reduce the risks faced by landlords and tenants.

Hawai'i's Electricity Burden Compared with the Nation and Other States

Hawai'i households faced the highest electricity costs compared to households in the nation as a whole and with households in other states and the District of Columbia, While the national average of monthly electricity costs was only about \$136, Hawai'i households spent an average of \$221 on electricity per month or 63.1% more than the national average. See Figure 2.

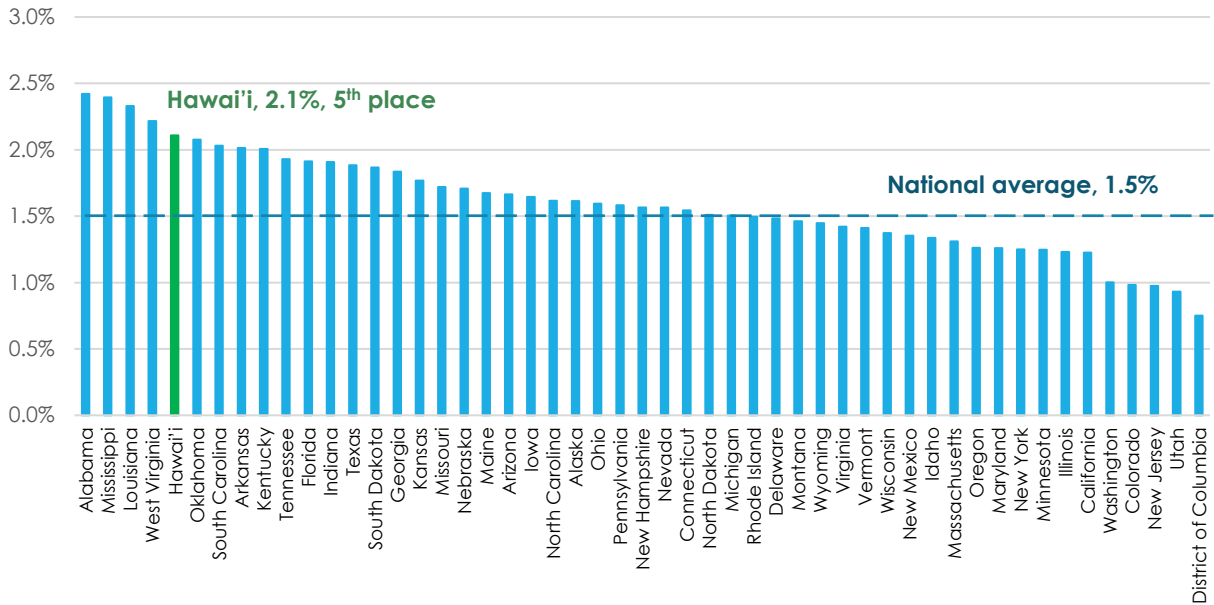
Figure 2. State ranking of average monthly electricity cost per household, 2022



Note: Average household electricity cost is the average amount spent on electricity bills for each month, in 2022 dollars. Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/19/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Hawai'i's average (mean) household income was \$125,929, the 7th highest among all the states in the nation and Washington, D.C. When household income is taken into consideration, Hawai'i is 5th highest in average electricity burden. Hawai'i households spent 2.1% of their income on electricity bills, above the national average of 1.5% (Figure 3).

Figure 3. State ranking of average electricity burden per household, 2022



Notes: Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income.
 Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/19/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Table 3 and Table 4 show the average electricity costs and average electricity burdens by housing tenure for the nation as well as for each state and the District of Columbia. In 2022, Hawai'i owners spent an average of \$227.3 on electricity per month, over 50% more than the national average at \$149.8. Hawai'i renters spent \$208.6 on electricity per month, almost twice as much as the national average at \$109.5. When compared with other states, Hawai'i ranks first in average electricity cost per household, among owner households, and among renter households.

When looking at electricity burdens, Hawai'i owner households ranked 6th among all states and the District of Columbia, spending 1.9% of their income on electricity bills. This compared to the national average owner electricity burden of 1.4%. The average electricity burden for Hawai'i renters was 2.9%, a percentage point higher than the national renter average of 1.9%. Hawai'i had the 7th highest electricity burden for renter households compared to other states and the District of Columbia.

When all energy costs are considered, including, for example, household spending on natural gas, wood, coal, fuel oil, etc., Hawai'i ranks 11th in terms of total energy costs. The top states when all energy costs are considered include several states located in the Northeastern U.S., where significant amounts of energy are required for heating (e.g., New Hampshire, Connecticut, Vermont, Maine, Massachusetts, Rhode Island) and Alaska.

When all sources of energy and average state incomes are considered, Hawai'i ranks 35th highest with an average household energy burden of 2.3%, the same as the average energy burden for the nation.

Table 3. State ranking of average monthly electricity cost, 2022

State	All households		Owners		Renters	
	Electricity cost	Rank	Electricity cost	Rank	Electricity cost	Rank
Alabama	\$170.1	3	\$179.8	4	\$144.3	2
Alaska	\$156.4	7	\$165.3	9	\$130.0	8
Arizona	\$139.4	22	\$148.6	25	\$118.8	16
Arkansas	\$135.3	27	\$144.6	29	\$113.9	21
California	\$138.8	24	\$160.8	11	\$106.8	28
Colorado	\$99.0	48	\$109.0	49	\$75.1	50
Connecticut	\$176.8	2	\$192.2	2	\$135.9	4
Delaware	\$133.3	28	\$140.3	31	\$110.1	23
District of Columbia	\$97.2	49	\$110.7	48	\$86.2	42
Florida	\$155.5	8	\$167.9	8	\$128.5	10
Georgia	\$155.1	9	\$164.9	10	\$133.9	5
Hawai'i	\$221.3	1	\$227.3	1	\$208.6	1
Idaho	\$106.3	46	\$111.7	47	\$88.1	40
Illinois	\$114.5	41	\$125.4	42	\$88.7	39
Indiana	\$144.3	17	\$152.8	20	\$118.9	15
Iowa	\$129.3	33	\$139.2	33	\$95.9	35
Kansas	\$141.6	20	\$151.9	22	\$115.6	19
Kentucky	\$142.0	19	\$151.9	23	\$115.7	18
Louisiana	\$163.6	5	\$173.8	5	\$140.0	3
Maine	\$131.4	29	\$138.1	34	\$101.3	31
Maryland	\$139.7	21	\$152.3	21	\$107.7	27
Massachusetts	\$153.2	10	\$173.3	6	\$109.8	24
Michigan	\$119.2	39	\$126.0	41	\$96.6	34
Minnesota	\$120.0	38	\$131.8	37	\$75.9	49
Mississippi	\$149.6	12	\$156.3	16	\$131.8	7
Missouri	\$131.3	30	\$139.3	32	\$111.1	22
Montana	\$111.8	43	\$119.0	44	\$89.3	38
Nebraska	\$138.9	23	\$150.8	24	\$108.3	26
Nevada	\$130.5	31	\$140.6	30	\$114.8	20
New Hampshire	\$160.5	6	\$171.5	7	\$116.3	17
New Jersey	\$114.3	42	\$130.2	38	\$79.8	46
New Mexico	\$94.1	50	\$99.4	50	\$78.6	48
New York	\$130.0	32	\$155.8	17	\$93.1	37
North Carolina	\$126.7	35	\$134.2	35	\$109.8	25
North Dakota	\$127.0	34	\$147.7	27	\$79.1	47
Ohio	\$123.5	36	\$133.3	36	\$98.8	33
Oklahoma	\$149.2	13	\$158.6	13	\$127.3	11
Oregon	\$110.6	45	\$118.5	45	\$94.8	36
Pennsylvania	\$137.0	25	\$147.7	28	\$105.1	29
Rhode Island	\$136.8	26	\$152.9	19	\$100.3	32
South Carolina	\$151.5	11	\$158.0	14	\$133.7	6
South Dakota	\$145.1	16	\$159.2	12	\$102.9	30
Tennessee	\$145.5	15	\$154.7	18	\$123.8	12
Texas	\$163.8	4	\$182.3	3	\$128.9	9
Utah	\$89.0	51	\$95.8	51	\$68.2	51
Vermont	\$120.1	37	\$127.3	40	\$87.8	41
Virginia	\$145.9	14	\$156.6	15	\$120.5	14
Washington	\$104.4	47	\$116.3	46	\$80.6	45
West Virginia	\$142.8	18	\$148.2	26	\$123.2	13
Wisconsin	\$111.4	44	\$121.4	43	\$84.2	43
Wyoming	\$118.2	40	\$127.4	39	\$82.2	44
United States	\$135.6	-	\$149.8	-	\$109.5	-

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/19/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

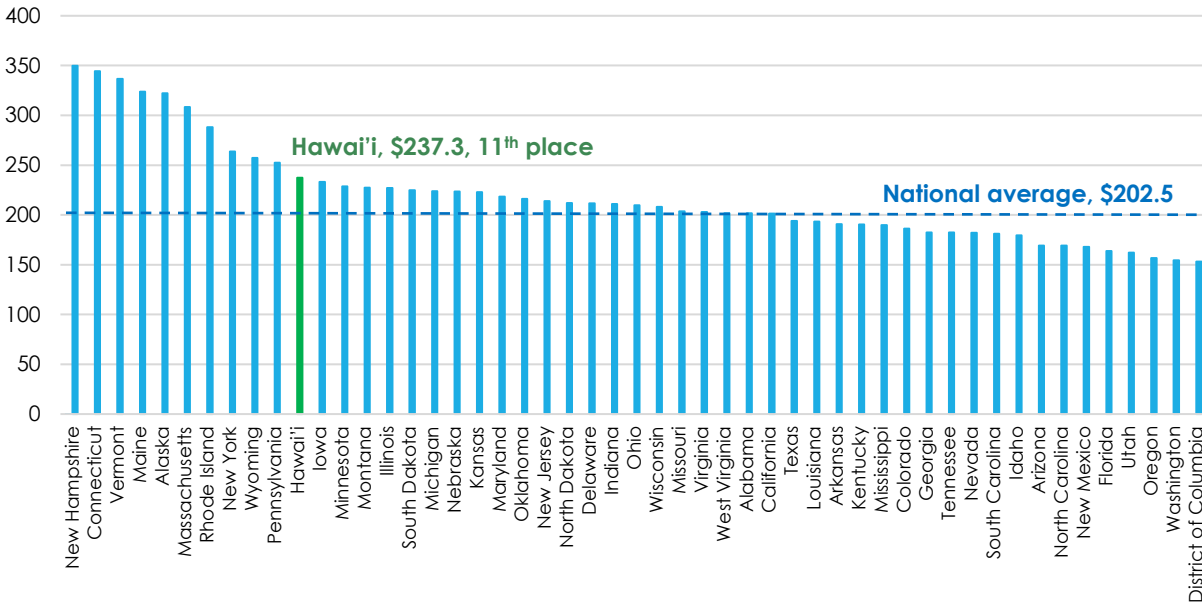
Table 4. State ranking of average electricity burden, 2022

State	All households		Owners		Renters	
	Electricity burden	Rank	Electricity burden	Rank	Electricity burden	Rank
Alabama	2.4%	1	2.2%	1	3.6%	1
Alaska	1.6%	23	1.5%	22	2.0%	29
Arizona	1.7%	20	1.5%	21	2.1%	25
Arkansas	2.0%	8	1.8%	9	2.8%	8
California	1.2%	46	1.2%	43	1.4%	45
Colorado	1.0%	48	0.9%	48	1.2%	47
Connecticut	1.5%	28	1.4%	29	2.3%	18
Delaware	1.5%	32	1.4%	31	2.1%	27
District of Columbia	0.8%	51	0.6%	51	1.0%	51
Florida	1.9%	11	1.8%	10	2.4%	15
Georgia	1.8%	15	1.6%	15	2.6%	12
Hawai'i	2.1%	5	1.9%	6	2.9%	7
Idaho	1.3%	39	1.2%	39	1.9%	34
Illinois	1.2%	45	1.1%	45	1.6%	42
Indiana	1.9%	12	1.7%	12	2.8%	10
Iowa	1.6%	21	1.5%	20	2.2%	23
Kansas	1.8%	16	1.6%	16	2.5%	14
Kentucky	2.0%	9	1.8%	8	2.8%	9
Louisiana	2.3%	3	2.1%	3	3.5%	3
Maine	1.7%	19	1.6%	17	2.3%	17
Maryland	1.3%	42	1.2%	44	1.7%	40
Massachusetts	1.3%	40	1.2%	40	1.6%	41
Michigan	1.5%	30	1.4%	28	2.2%	24
Minnesota	1.2%	44	1.2%	42	1.4%	44
Mississippi	2.4%	2	2.2%	2	3.6%	2
Missouri	1.7%	17	1.5%	19	2.6%	13
Montana	1.5%	33	1.4%	33	1.9%	33
Nebraska	1.7%	18	1.6%	18	2.3%	19
Nevada	1.6%	27	1.4%	32	2.1%	28
New Hampshire	1.6%	26	1.5%	23	2.0%	30
New Jersey	1.0%	49	0.9%	49	1.2%	49
New Mexico	1.4%	38	1.2%	38	1.8%	36
New York	1.2%	43	1.2%	41	1.3%	46
North Carolina	1.6%	22	1.4%	27	2.3%	21
North Dakota	1.5%	29	1.5%	25	1.6%	43
Ohio	1.6%	24	1.5%	26	2.3%	22
Oklahoma	2.1%	6	1.9%	5	3.0%	6
Oregon	1.3%	41	1.1%	46	1.7%	38
Pennsylvania	1.6%	25	1.5%	24	2.1%	26
Rhode Island	1.5%	31	1.4%	34	2.0%	31
South Carolina	2.0%	7	1.8%	7	3.0%	5
South Dakota	1.9%	14	1.8%	11	2.3%	20
Tennessee	1.9%	10	1.7%	13	2.7%	11
Texas	1.9%	13	1.7%	14	2.4%	16
Utah	0.9%	50	0.9%	50	1.2%	48
Vermont	1.4%	36	1.3%	35	1.8%	35
Virginia	1.4%	35	1.3%	36	1.9%	32
Washington	1.0%	47	0.9%	47	1.2%	50
West Virginia	2.2%	4	2.0%	4	3.5%	4
Wisconsin	1.4%	37	1.3%	37	1.8%	37
Wyoming	1.4%	34	1.4%	30	1.7%	39
United States	1.5%	-	1.4%	-	1.9%	-

Notes: Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income.

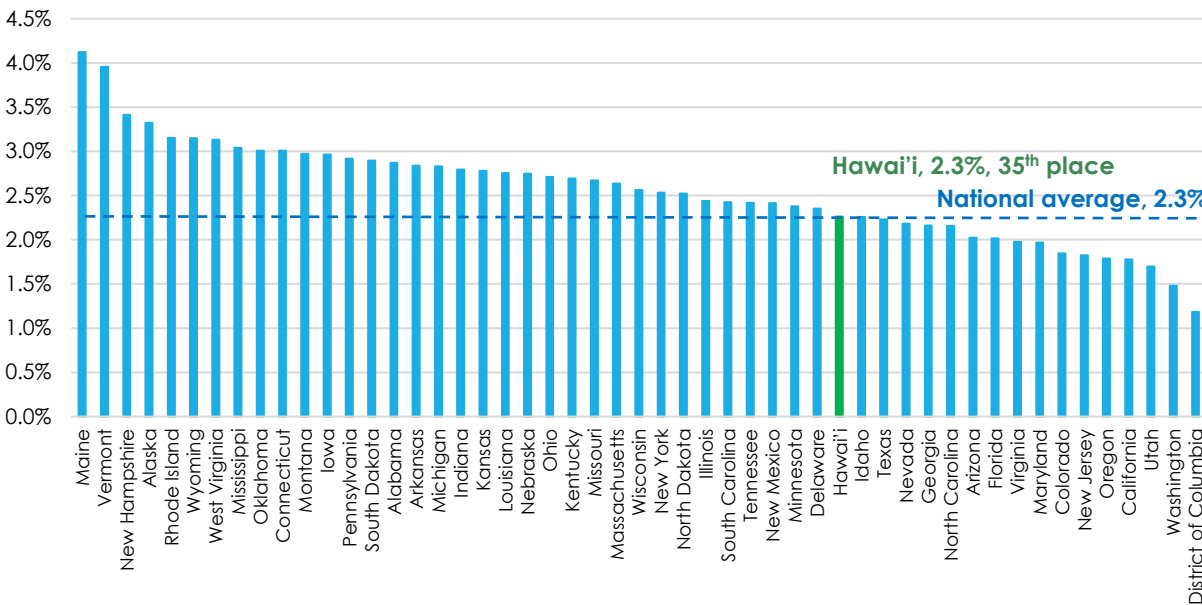
Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/19/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Figure 4. State ranking of average monthly energy cost, 2022
Includes spending on electricity, gas, and other fuels



Note: Average household energy cost is the average amount spent on energy bills for each month, in 2022 dollars.
Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/19/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Figure 5. State ranking of average energy burden, 2022
Includes spending on electricity, gas, and other fuels



Notes: Household energy burden is the percentage of household income spent on energy bills. It is calculated as the ratio of the average annual energy cost to average annual household income.
Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/19/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Electricity Burdens by County

Table 5 through Table 8 show the average electricity costs and electricity burdens for each of the four counties in the state. The state patterns of electricity burdens consistently hold true across counties: renters faced higher electricity burdens than owners, households living in condos or apartments faced higher electricity burdens than those living in single-family houses. These patterns reversed for households with income below Federal Poverty Guideline, also consistent with the statewide results. Electricity burdens increased as households earned less income. The following describes the patterns for each county in more detail.

Table 5. Average monthly electricity cost and electricity burden: Honolulu County

Household Type		Housing count ¹	Average annual income	Average monthly electricity cost	Average electricity burden ²
All households		333,700	\$131,806	\$219.2	2.0%
House tenure	Owners	196,384	\$157,548	\$228.1	1.7%
	Renters	137,316	\$89,568	\$202.3	2.7%
Building structure³	Single-family house	196,437	\$156,598	\$247.0	1.9%
	Condo/apartment	136,392	\$91,417	\$175.1	2.3%
Area median income (AMI)	150%+ AMI	37,322	\$245,958	\$163.6	0.8%
	100-150% AMI	113,299	\$203,123	\$263.8	1.6%
	80-100% AMI	41,160	\$113,534	\$229.2	2.4%
	60-80% AMI	41,517	\$78,725	\$206.3	3.1%
	30-60% AMI	59,520	\$51,202	\$188.3	4.4%
Federal poverty level (FPL)	400%+	45,599	\$17,056	\$183.7	12.9%
	200%-400%	168,704	\$186,175	\$216.6	1.4%
	150-200%	97,026	\$98,279	\$236.5	2.9%
	100-150%	20,694	\$44,399	\$195.8	5.3%
	0-100%	18,194	\$31,753	\$213.6	8.1%
All households below the Federal poverty level					
House tenure	Owners	29,082	\$11,873	\$191.2	19.3%
	Renters	19,126	\$11,677	\$171.1	17.6%
Building structure³	Single-family house	9,788	\$12,909	\$231.8	21.5%
	Condo/apartment	19,126	\$11,677	\$171.1	17.6%

1. The sums of housing units of some subgroups are not necessarily equal to total housing units due to rounding.

2. Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

3. A small number of other building structures, including mobile homes, trailers, boats, RVs, vans, etc., are excluded from this table.

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/20/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Households in Honolulu County spent an average of 2.0% of their income on electricity bills, 0.1 percentage point lower than the state average of 2.1%. Notably, households with 150%+ AMI had the lowest average monthly electricity costs and faced an electricity burden of 0.8%. Electricity burdens were 2.7% for renters, 2.3% for households living in condos

or apartments, 12.9% for households earning below 30% of AMI, and 19.3% for households with income below FPL in Honolulu County. Owner households below FPL in Honolulu spent 23.9% of their income on electricity costs, compared with renters below FPL spending 17.6%. Households living in single-family houses spent 21.5% of their income on electricity bills, while those living in condos or apartments spent 17.6%.

Households in Hawai'i County spent an average of 2.7% of their income on electricity bills, 0.6 percentage point higher than the state average of 2.1%. The electricity burdens were 4.0% for renters, 3.0% for households living in condos or apartments, 18.8% for households earning below 30% of AMI, and 20.4% for households with income below FPL in Hawai'i County. Owner households below FPL in Hawai'i County spent 23.8% of their income on electricity costs, compared with renters below FPL spending 16.8%. Households living in single-family houses spent 21.4% of their income on electricity bills, while those living in condos or apartments spent 12.5%.

Table 6. Average monthly electricity cost and electricity burden: Hawai'i County

Household Type		Housing count ¹	Average annual income	Average monthly electricity cost	Average electricity burden ²
All households		72,468	\$100,428	\$226.42	2.7%
House tenure	Owners	51,778	\$111,807	\$227.08	2.4%
	Renters	20,690	\$67,067	\$224.25	4.0%
Building structure³	Single-family house	60,885	\$104,809	\$232.45	2.7%
	Condo/apartment	11,115	\$72,552	\$183.33	3.0%
Area median income (AMI)	150%+ AMI	18,936	\$209,017	\$245.67	1.4%
	100-150% AMI	14,567	\$113,112	\$258.42	2.7%
	80-100% AMI	7,235	\$73,487	\$230.83	3.8%
	60-80% AMI	8,074	\$58,069	\$215.33	4.4%
	30-60% AMI	12,269	\$36,210	\$204.67	6.8%
	0-30% AMI	11,387	\$11,228	\$175.67	18.8%
Federal poverty level (FPL)	400%+	27,296	\$172,990	\$230.92	1.6%
	200%-400%	22,603	\$83,883	\$241.17	3.5%
	150-200%	5,974	\$43,927	\$220.33	6.0%
	100-150%	6,334	\$30,371	\$211.58	8.4%
	0-100%	10,261	\$11,245	\$190.83	20.4%
All households below the Federal poverty level					
House tenure	Owners	5,470	\$10,077	\$199.67	23.8%
	Renters	4,791	\$12,739	\$177.83	16.8%
Building structure³	Single-family house	7,797	\$11,451	\$204.04	21.4%
	Condo/apartment	2,348	\$11,077	\$115.67	12.5%

1. The sums of housing units of some subgroups are not necessarily equal to total housing units due to rounding.

2. Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

3. A small number of other building structures, including mobile homes, trailers, boats, RVs, vans, etc., are excluded from this table.

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/20/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Households in Maui County⁶ spent an average of 2.2% of their income on electricity bills, 0.1 percentage points higher than the state average of 2.1%. The electricity burdens were 3.3% for renters, 2.6% for households living in condos or apartments, 14.7% for households earning below 30% of AMI, and 19.5% for households with income below FPL in Maui County. Owner households below FPL in Maui County spent 23.2% of their income on electricity costs, compared with renters below FPL spending 16.6%. Households with incomes below FPL and living in single-family houses spent an average of 20.4% of their income on electricity bills, while those living in condos or apartments spent 15.8%.

Table 7. Average monthly electricity cost and electricity burden: Maui County¹

Household Type		Housing count	Average annual income	Average monthly electricity cost	Average electricity burden ²
All households		54,760	\$128,593	\$230.78	2.2%
House tenure	Owners	35,758	\$148,447	\$229.42	1.9%
	Renters	19,002	\$86,178	\$234.00	3.3%
Building structure²	Single-family house	42,151	\$135,743	\$233.85	2.1%
	Condo/apartment	12,417	\$102,142	\$219.51	2.6%
Area median income (AMI)	150%+ AMI	11,985	\$247,473	\$239.01	1.2%
	100-150% AMI	14,665	\$164,586	\$254.03	1.9%
	80-100% AMI	6,087	\$91,963	\$212.10	2.8%
	60-80% AMI	6,198	\$69,544	\$234.60	4.0%
	30-60% AMI	9,288	\$45,658	\$222.39	5.8%
	0-30% AMI	6,553	\$14,656	\$179.67	14.7%
Federal poverty level (FPL)	400%+	25,739	\$191,069	\$230.63	1.4%
	200%-400%	17,055	\$96,548	\$243.29	3.0%
	150-200%	3,779	\$45,919	\$236.10	6.2%
	100-150%	3,631	\$32,165	\$214.16	8.0%
	0-100%	4,556	\$11,472	\$186.83	19.5%
All households below the Federal poverty level					
House tenure	Owners	1,842	\$11,269	\$218.00	23.2%
	Renters	2,714	\$11,625	\$174.58	16.6%
Building structure³	Single-family house	3,045	\$11,694	\$198.88	20.4%
	Condo/apartment	1,403	\$11,901	\$156.39	15.8%

1. Data includes Maui County and Kalawao County on the island of Moloka'i.

2. Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

3. A small number of other building structures, including mobile homes, trailers, boats, RVs, vans, etc., are excluded from this table.

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/20/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Households in Kaua'i County spent an average of 2.1% of their income on electricity bills, the same as the overall state average energy burden. Households in Kaua'i County had the lowest average electricity cost among all the counties in the state; Appendix A shows that Kaua'i had the lowest residential electricity rate among the counties in 2022. Average household income in Kaua'i County was also low, however, compared to Honolulu and

⁶ Data includes Maui County and Kalawao County on the island of Moloka'i.

Maui County. Electricity burdens in Kaua'i County were 2.8% for renters, 2.6% for households living in condos or apartments, 14.3% for households earning below 30% of AMI, and 18.6% for households with income below FPL in Kaua'i County. Owner households below FPL in Kaua'i County spent 27.1% of their income on electricity costs, compared with renters below FPL spending 11.6%. Households with incomes below FPL living in single-family houses spent twenty percent of their income on electricity bills, while those living in condos or apartments spent 14.2%.

Table 8. Average monthly electricity cost and electricity burden: Kaua'i County

Household Type		Housing count ¹	Average annual income	Average monthly electricity cost	Average electricity burden ²
All households		22,978	\$118,507	\$211.00	2.1%
House tenure	Owners	14,896	\$133,530	\$212.33	1.9%
	Renters	8,082	\$88,324	\$208.08	2.8%
Building structure³	Single-family house	19,499	\$123,369	\$214.69	2.1%
	Condo/apartment	3,428	\$86,570	\$185.60	2.6%
Area median income (AMI)	150%+ AMI	4,604	\$238,461	\$214.83	1.1%
	100-150% AMI	5,767	\$158,922	\$232.58	1.8%
	80-100% AMI	2,533	\$90,916	\$196.75	2.6%
	60-80% AMI	3,014	\$68,229	\$216.42	3.8%
	30-60% AMI	4,113	\$45,477	\$205.92	5.4%
Federal poverty level (FPL)	0-30% AMI	2,955	\$14,287	\$170.75	14.3%
	400%+	10,166	\$183,186	\$210.08	1.4%
	200%-400%	7,365	\$90,639	\$221.67	2.9%
	150-200%	1,715	\$45,929	\$215.00	5.6%
	100-150%	1,574	\$31,819	\$207.92	7.8%
0-100%	2,158	\$11,255	\$174.92	18.6%	
All households below the Federal poverty level					
House tenure	Owners	1,158	\$9,255	\$208.67	27.1%
	Renters	1,001	\$13,629	\$131.83	11.6%
Building structure³	Single-family house	1,626	\$11,527	\$190.69	19.9%
	Condo/apartment	528	\$10,130	\$119.78	14.2%

1. The sums of housing units of some subgroups are not necessarily equal to total housing units due to rounding.

2. Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

3. A small number of other building structures, including mobile homes, trailers, boats, RVs, vans, etc., are excluded from this table.

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Data last accessed 12/20/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Electricity Burdens by Census Tract

To verify the state patterns of electricity burdens, Table 9 and Table 10 compare households in the top 20 census tracts with highest electricity burdens and households in the 20 census tracts with lowest electricity burdens. In census tracts with highest electricity burdens, 49.4% of households were renter households, 25.8% lived in condos or apartments, and 23.7% were below the Federal Poverty Level Guideline. By contrast, in census tracts with the lowest electricity burdens, 22.3% of households were renters, 23.4% lived in condos or apartments, and 3.8% were below the Federal Poverty Level Guideline. Although we cannot make causal arguments about why some households tend to face higher electricity burdens, the 2022 LEAD data suggests that households' electricity burdens correlate with house tenure and household income levels.

Table 9. 20 census tracts with highest electricity burdens

Census tract	Census tract name	County	Average electricity burden ¹	Average household income	Ratio of renter households	Ratio of households living in condo/apt.	Ratio of households below 100% FPL
39	Civic Center	Honolulu	6.5%	\$42,048	77.7%	92.4%	33.7%
211.07	Kīlauea- Pāhoa	Hawai'i	5.0%	\$51,032	24.8%	5.5%	32.1%
85.02	Kalaeloa	Honolulu	4.9%	\$108,268	100.0%	65.6%	16.1%
54	Mayor Wright Housing	Honolulu	4.9%	\$47,315	100.0%	98.0%	35.4%
87.05	Waipahu Intermediate School	Honolulu	4.5%	\$65,940	84.6%	94.8%	25.6%
212.03	Ka'ū	Hawai'i	4.5%	\$53,178	25.0%	3.7%	25.6%
95.07	Schofield: McCarthy Field	Honolulu	4.5%	\$61,759	100.0%	78.6%	8.0%
211.08	Pāhoa- Makāi	Hawai'i	4.3%	\$61,056	23.6%	0.2%	25.3%
98.04	Makaha Elementary School	Honolulu	4.3%	\$81,529	51.2%	17.6%	28.6%
9818.03	Nu'upia Ponds	Honolulu	4.2%	\$51,969	100.0%	0.0%	3.6%
205	Hilo: University-Houselots	Hawai'i	4.1%	\$58,723	71.4%	42.2%	34.2%
211.01	Kalapana-Kapoho	Hawai'i	4.0%	\$59,165	16.6%	0.0%	32.8%
96.08	Lualualei Transmitter	Honolulu	4.0%	\$88,646	42.4%	13.1%	24.2%
210.03	Orchidland-Ainaloa	Hawai'i	4.0%	\$65,200	22.4%	0.0%	26.1%
94.02	Medical Arts Clinic Wahiawā	Honolulu	3.9%	\$77,860	78.0%	58.8%	28.9%
83.01	Iroquois Point	Honolulu	3.9%	\$117,897	100.0%	18.5%	5.4%
98.03	Lahilahi Point	Honolulu	3.8%	\$81,388	72.5%	44.4%	12.0%
9400.06	Nānākuli Beach Park	Honolulu	3.8%	\$103,743	18.0%	12.2%	16.5%
97.07	Wai'anae Valley Road	Honolulu	3.8%	\$83,543	59.0%	62.6%	24.1%
210.16	Kea'au- Hawaiian Acres	Hawai'i	3.7%	\$73,500	15.5%	2.5%	18.5%
Weighted average			4.1%	\$72,555	49.4%	25.8%	23.7%

1. Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

Notes: a few census tracts are excluded from the top 20 list due to small sample size.

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Income type set to Federal Poverty Level. Data last accessed 12/30/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Table 10. 20 census tracts with lowest electricity burdens

Census tract	Census tract name	County	Average electricity burden ¹	Average household income	Ratio of renter households	Ratio of households living in condo/apt.	Ratio of households below 100% FPL
1.1	Kalama Valley	Honolulu	1.3%	\$204,145	13.6%	2.6%	1.4%
68.13	Honolulu Country Club	Honolulu	1.3%	\$141,476	31.6%	76.5%	1.9%
1.22	Kaiser High School	Honolulu	1.3%	\$199,569	6.1%	0.0%	1.7%
31.03	Waiakeakua Stream	Honolulu	1.3%	\$193,211	20.1%	12.2%	6.8%
3.01	Aina Haina-Hawai'i Loa Ridge	Honolulu	1.3%	\$204,144	11.7%	1.5%	4.5%
78.09	Newtown	Honolulu	1.3%	\$184,379	20.4%	17.8%	0.7%
89.43	Meheu Street	Honolulu	1.3%	\$180,737	9.1%	0.0%	5.3%
4.02	Wai'alaie Iki	Honolulu	1.3%	\$214,758	13.7%	1.1%	2.4%
19.05	Waikiki Marina Tower	Honolulu	1.3%	\$129,797	62.4%	100.0%	3.4%
9.05	Maunalani Community Park	Honolulu	1.3%	\$200,646	14.9%	3.9%	3.4%
30	Judd Hillside-Lowrey Avenue	Honolulu	1.2%	\$221,698	25.9%	6.9%	3.4%
1.14	Portlock	Honolulu	1.2%	\$214,242	17.5%	0.9%	3.5%
1.19	Kalanipu'u	Honolulu	1.2%	\$212,097	7.2%	0.0%	2.2%
303.07	La Perouse Bay	Maui	1.2%	\$209,851	9.3%	44.6%	6.6%
42.02	Central Middle School	Honolulu	1.2%	\$174,072	39.7%	97.5%	17.4%
89.31	Waiawa Prison	Honolulu	1.2%	\$214,558	10.4%	0.0%	3.2%
116	Tantalus	Honolulu	1.2%	\$208,932	15.4%	2.8%	2.6%
78.14	Nahele Neighborhood Park	Honolulu	1.2%	\$187,671	7.7%	10.2%	1.5%
31.04	Woodlawn Drive-'Alani Drive	Honolulu	1.1%	\$243,447	19.4%	3.3%	6.6%
95.08	Carpenter Street-Henderson Loop	Honolulu	0.8%	\$142,850	100.0%	43.3%	7.0%
Weighted average			1.3%	\$192,869	22.3%	23.4%	3.8%

1. Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

Notes: a few census tracts are excluded from the bottom 20 list due to small sample size.

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Income type set to Federal Poverty Level. Data last accessed 12/30/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Conclusion

Hawai'i had the highest electricity cost per household in the nation in 2022. The LEAD Tool estimates provide insights into the electricity burdens faced by households and how this burden differs by housing tenure, type of housing, average household income, and geographic area. On average, households in Hawai'i spent 2.1% of their income on electricity, which is higher than the average national electricity burden of 1.5%. Electricity burdens in Hawai'i tend to be higher for renters (2.9%) than for owners (1.9%) and for those who live in condominium or apartment units (2.4%) compared to those who live in single-family homes (2.0%). Burdens were most severe for households with very low incomes: households making less than 30% of the Area Median Income spent approximately 14% of their income on electricity, while households with incomes below the Federal Poverty Level spent almost one fifth of their income on electricity. Among the counties, households in Hawai'i County had the highest average electricity burden at 2.7%, followed by Maui County with an average electricity burden of 2.2%, Kaula'i County with an average electricity burden of 2.1%, and Honolulu County with an average electricity burden of 2.0%.

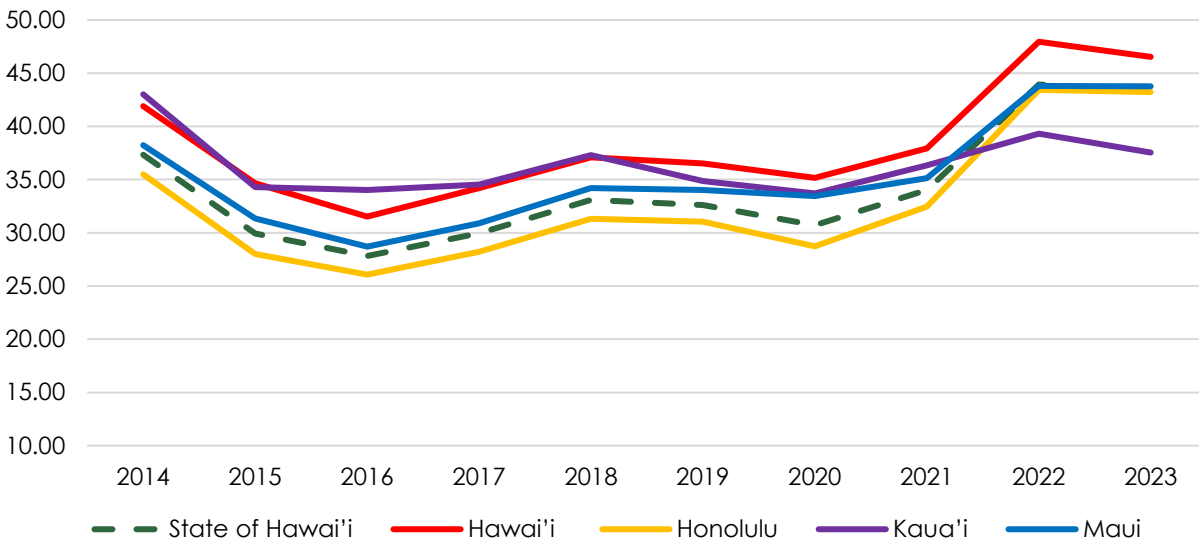
Several caveats regarding the LEAD estimates should be kept in mind. Survey responses that report no expenditures associated with fuel use or where housing energy costs are included or combined with other costs are removed to improve the accuracy of energy cost estimates. However, this may bias the estimates if the true energy cost for a given type of household differs for those who pay the cost directly and those who do not. In addition, rescaling estimates from the ACS survey data with utility data is not exact as the number of occupied units or households does not directly correspond to the number of residential utility customers, which may include vacant units. Multiple households may also be billed through a single utility customer account.⁷

By combining household and housing unit characteristics with energy usage and geographic information, the LEAD Tool estimates can help identify areas and groups that appear to face particularly high electricity burdens. This information may inform efforts to help households reduce energy costs or otherwise alleviate energy burdens (e.g., through bill assistance) and to help understand the drivers of electricity burden.

⁷ For a discussion of the methodology used by the LEAD Tool and calibration process, see U.S. Department of Energy, Office of State and Community Energy Programs (2024) LEAD Tool Methodology, DOE/GO-102024-6616. https://www.energy.gov/sites/default/files/2024-12/lead-methodology_122024.pdf See also Ma, Ookie, Krystal Laymon, Megan Day, Ricardo Oliveira, Jon Weers, and Aaron Vimont (2019) Low-Income Energy Affordability Data (LEAD) Tool Methodology. Golden, CO: National Renewable Energy Laboratory. NREL/TP-6A20-74249. <https://www.nrel.gov/docs/fy19osti/74249.pdf>

Appendix A: Residential Electricity Rates by County

Figure A-1. Average residential electricity prices for the state and by county, 2014-2023
Cents per kilowatt-hour (kWh)



The average residential electricity price is calculated by dividing total residential revenues collected by the utility by the number of kilowatt-hours sold to residential customers.

Source: Monthly data on residential electricity sales and revenues based on Hawaii Electric Utility Reports. Calculations by DBEDT.

Table A - 1. Average residential electricity prices for the state and by county, 2014-2023
Cents per kilowatt-hour (kWh)

Year	State of Hawai'i	County			
		Hawai'i	Honolulu	Kaua'i	Maui
2014	37.34	41.89	35.48	43.01	38.23
2015	29.92	34.65	28.02	34.30	31.35
2016	27.82	31.52	26.07	34.03	28.70
2017	29.97	34.20	28.22	34.52	30.89
2018	33.09	37.08	31.33	37.30	34.21
2019	32.61	36.53	31.04	34.87	34.01
2020	30.71	35.17	28.74	33.70	33.45
2021	34.03	37.92	32.47	36.33	35.12
2022	43.93	47.95	43.43	39.31	43.80
2023	43.42	46.52	43.22	37.54	43.77

The average residential electricity price is calculated by dividing total residential revenues collected by the utility by the number of kilowatt-hours sold to residential customers.

Source: Monthly data on residential electricity sales and revenues based on Hawaii Electric Utility Reports. Calculations by DBEDT.

Appendix B: A Complete List of Electricity Burdens for Hawai'i Census Tracts

Table B - 2. Average monthly electricity cost and electricity burden by census tract

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Hawai'i	201	Pauka'a-Wailea	1644	\$222.92	2.5%
Hawai'i	202.02	Hilo: Upper Waiākea Forest Reserve	626	\$247.17	3.4%
Hawai'i	203	Hilo: Pu'ueo-Downtown	1799	\$171.75	3.0%
Hawai'i	204	Hilo: Villa Franca-Kaikoo	1365	\$204.08	3.1%
Hawai'i	205	Hilo: University-Houselots	2059	\$202.58	4.1%
Hawai'i	206	Hilo: Keaukaha-Pana'ewa	2147	\$251.50	3.0%
Hawai'i	207.01	Hilo: Puainako	1826	\$227.33	2.9%
Hawai'i	207.02	Hilo: Kawaiiani	1786	\$236.92	2.4%
Hawai'i	208.01	Hilo: Kahuku-Kaumana	1655	\$243.83	2.1%
Hawai'i	208.02	Hilo: Pi'ihonua-Kaumana	2372	\$241.42	2.2%
Hawai'i	209	Hilo: Haihai	1707	\$239.67	2.2%
Hawai'i	210.03	Orchidland-Ainaloa	2729	\$217.33	4.0%
Hawai'i	210.11	Volcano-Mt. View	1551	\$242.17	3.0%
Hawai'i	210.13	Kea'au	1699	\$248.83	3.1%
Hawai'i	210.14	Hawaiian Paradise Park- Kaloli	2592	\$247.17	3.0%
Hawai'i	210.15	Hawaiian Paradise Park-Maku'u	1817	\$228.50	2.8%
Hawai'i	210.16	Kea'au- Hawaiian Acres	1898	\$224.83	3.7%
Hawai'i	210.17	Kea'au-Fern Forest	1732	\$180.50	3.5%
Hawai'i	211.01	Kalapana-Kapoho	1402	\$198.33	4.0%
Hawai'i	211.07	Kilauea-Pāhoa	383	\$210.75	5.0%
Hawai'i	211.08	Pāhoa-Makai	2418	\$220.33	4.3%
Hawai'i	212.03	Ka'ū	2251	\$201.08	4.5%
Hawai'i	212.04	Ka Lae	1073	\$208.83	3.2%
Hawai'i	213	South Kona	2474	\$229.58	2.5%
Hawai'i	214.02	Konawaena	1238	\$239.58	2.5%
Hawai'i	215.02	Hualālai	1823	\$230.58	2.4%
Hawai'i	215.04	Kealakehe	1734	\$247.42	2.8%
Hawai'i	215.1	Kaunakakai-Keahou	1681	\$222.58	2.1%
Hawai'i	215.11	Kahalua-Mauka	612	\$238.50	2.5%
Hawai'i	215.12	Kaloko- O'oma	1828	\$220.33	2.3%
Hawai'i	215.13	Kalaoa	2041	\$248.00	2.3%
Hawai'i	216.05	Kailua	1593	\$204.75	2.0%
Hawai'i	216.06	Pua'a	1373	\$217.67	2.7%
Hawai'i	216.07	Hōlualoa	1772	\$239.83	2.2%
Hawai'i	216.08	Puapua'a- Banyans	1797	\$224.58	2.1%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Hawai'i	217.05	Waimea - Kohala	2370	\$226.42	2.5%
Hawai'i	217.06	Waimea - Pu'u Anahulu	1311	\$248.25	2.4%
Hawai'i	217.07	Waikoloa - South Kohala	1498	\$242.08	2.6%
Hawai'i	217.08	Kawaihae - Anaeho'omalu	1734	\$225.00	2.1%
Hawai'i	218	North Kohala	2360	\$215.58	2.0%
Hawai'i	219.02	Honoka'a-Kukuihaele	1204	\$237.33	3.0%
Hawai'i	220	Pa'auhau-Pa'auilo	836	\$237.17	3.2%
Hawai'i	221.02	North Hilo	658	\$206.50	3.4%
Honolulu	1.07	Kuapa Isle	936	\$227.17	1.4%
Honolulu	1.08	Hawai'i Kai Marina	1256	\$230.25	1.5%
Honolulu	1.10	Kalama Valley	1434	\$227.92	1.3%
Honolulu	1.14	Portlock	537	\$221.17	1.2%
Honolulu	1.15	Haha'ione Valley Neighborhood Park	943	\$219.75	1.7%
Honolulu	1.16	Kuapa Preschool	1133	\$175.08	1.6%
Honolulu	1.17	Mariner's Ridge	516	\$234.50	1.6%
Honolulu	1.18	Hawai'i Kai Drive	666	\$232.67	1.4%
Honolulu	1.19	Kalanipu'u	831	\$214.83	1.2%
Honolulu	1.2	Kamilo Iki Neighborhood Park	790	\$238.83	1.4%
Honolulu	1.21	Kuapa Pond	975	\$222.17	1.5%
Honolulu	1.22	Kaiser High School	986	\$222.17	1.3%
Honolulu	2	Kuli'ou'ou	1822	\$223.58	1.4%
Honolulu	3.01	Aina Haina-Hawai'i Loa Ridge	1202	\$225.67	1.3%
Honolulu	3.02	Wailupe	973	\$216.75	1.5%
Honolulu	4.01	Wai'ala'e Nui Ridge-Ainakoa	1024	\$202.33	1.4%
Honolulu	4.02	Wai'ala'e Iki	1317	\$232.42	1.3%
Honolulu	5	Wai'ala'e-Kahala	1381	\$223.67	1.5%
Honolulu	6	Diamond Head	447	\$219.50	1.4%
Honolulu	7	Kaimukī: 22nd Avenue	1060	\$204.17	1.5%
Honolulu	8	Kaimukī: Kapi'olani Community College	1314	\$220.17	1.8%
Honolulu	9.01	Wai'ala'e Nui Valley	1004	\$183.83	1.6%
Honolulu	9.03	Lower Wilhelmina	912	\$228.08	1.5%
Honolulu	9.04	Mau'umae Nature Park	697	\$234.17	1.5%
Honolulu	9.05	Maunalani Community Park	790	\$214.17	1.3%
Honolulu	10	Upper Pālolo	1081	\$197.75	1.8%
Honolulu	11.01	Pālolo Elementary	550	\$222.42	2.3%
Honolulu	11.02	Pālolo Valley District Park	676	\$197.17	1.7%
Honolulu	12.01	Wai'ala'e Avenue-Pukele Avenue	1056	\$229.08	1.9%
Honolulu	12.02	Lower Palolo	949	\$218.25	1.7%
Honolulu	13	Kaimukī: 6th Avenue	1366	\$206.00	1.9%
Honolulu	14	Kapaolono Field	942	\$217.92	1.6%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Honolulu	15.01	Kapahulu: 4th Avenue	650	\$214.00	1.7%
Honolulu	15.02	Kapahulu Center	819	\$221.33	1.6%
Honolulu	16.01	Kanaina Avenue	707	\$215.08	2.2%
Honolulu	16.02	Fort Ruger Market	499	\$229.25	1.9%
Honolulu	17	Kapi'olani Park	1080	\$183.75	1.7%
Honolulu	18.01	Koa Avenue	567	\$164.33	2.6%
Honolulu	18.03	Tusitala Street	1628	\$142.33	2.1%
Honolulu	18.04	Jefferson School	938	\$137.75	2.0%
Honolulu	19.01	Waikīkī Beach	283	\$165.67	1.8%
Honolulu	19.05	Waikīkī Marina Tower	845	\$139.67	1.3%
Honolulu	19.06	Eaton Square	1737	\$141.75	1.6%
Honolulu	19.07	Wailana at Waikīkī	1545	\$143.42	1.7%
Honolulu	20.03	Seaside Avenue	1202	\$131.08	2.7%
Honolulu	20.04	International Market Place	750	\$126.33	2.0%
Honolulu	20.05	Ala Wai-Niu Street	1143	\$180.17	2.9%
Honolulu	20.06	Ala Wai-Olohana Street	1196	\$147.83	2.4%
Honolulu	21.01	Ala Wai Golf Course	880	\$154.33	2.5%
Honolulu	21.02	Kaimukī High School	804	\$155.25	2.5%
Honolulu	22.03	Ala Wai Community Park	784	\$147.83	1.7%
Honolulu	22.04	Ala Wai Skyrise	690	\$146.33	2.0%
Honolulu	22.05	'Iolani School	892	\$149.92	1.5%
Honolulu	22.06	Mahiai Street	978	\$161.33	2.9%
Honolulu	23.01	Kūhiō Elementary School	1754	\$160.58	2.3%
Honolulu	23.02	Mō'ili'iili Hongwanji Mission	928	\$166.08	3.3%
Honolulu	24.01	Lower McCully	1258	\$157.58	2.1%
Honolulu	24.03	McCully- Mō'ili'iili Public Library	765	\$155.58	2.4%
Honolulu	24.04	Old Stadium Park	708	\$151.92	2.1%
Honolulu	25	Lower Pawa'a	1863	\$151.67	2.1%
Honolulu	26	Bingham Tract	1865	\$152.00	2.6%
Honolulu	27.01	UH Manoa Campus	725	\$154.58	1.4%
Honolulu	27.02	Punahou School	2075	\$192.25	1.8%
Honolulu	28.01	Chaminade University	620	\$210.17	1.7%
Honolulu	28.02	Kalaepohaku Park	944	\$199.33	1.7%
Honolulu	29	East Mānoa	924	\$190.67	1.4%
Honolulu	30	Judd Hillside-Lowrey Avenue	1633	\$229.58	1.2%
Honolulu	31.02	Upper Mānoa	1269	\$212.58	1.4%
Honolulu	31.03	Waiakeakua Stream	517	\$214.83	1.3%
Honolulu	31.04	Woodlawn Drive-'Alani Drive	859	\$220.75	1.1%
Honolulu	34.04	Makiki Fire Station	2226	\$145.42	1.7%
Honolulu	34.08	Davenport Street	1076	\$152.50	2.4%
Honolulu	34.09	Wilder Avenue-Liholiho Street	1072	\$139.17	1.7%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Honolulu	34.10	Wilder Avenue-Kewalo Street	817	\$144.00	2.1%
Honolulu	34.11	Prospect Tower	648	\$164.92	1.7%
Honolulu	34.12	Makiki Cemetery	903	\$162.42	1.7%
Honolulu	34.13	Hawaiian Mission Academy HS Campus	1264	\$160.58	3.0%
Honolulu	34.14	Punahou Square Park	2409	\$147.25	1.9%
Honolulu	35.01	Academy of Arts	1287	\$146.17	1.9%
Honolulu	35.03	Pi'ikoi Street-South Beterania Street	576	\$133.08	3.2%
Honolulu	35.04	Shriner's Hospital for Children	1538	\$159.83	1.8%
Honolulu	36.03	Ahana Street	1806	\$138.00	2.6%
Honolulu	36.04	Kaheka Street-Makaloa Street	1161	\$132.17	2.0%
Honolulu	36.05	Sheridan Street-Makaloa Street	447	\$143.58	2.3%
Honolulu	36.06	Sheridan Community Park	1375	\$193.00	2.1%
Honolulu	37.01	Hawai'i Convention Center	1161	\$175.08	1.7%
Honolulu	37.02	Ward Village Shops	1700	\$181.58	1.8%
Honolulu	37.03	Ala Moana Shopping Center	1556	\$191.83	1.7%
Honolulu	38.01	Kaka'ako Waterfront Park	2538	\$181.50	2.5%
Honolulu	38.02	Kapi'olani Boulevard-Cooke Street	2646	\$208.92	1.9%
Honolulu	39	Civic Center	264	\$228.67	6.5%
Honolulu	40	Financial District	773	\$146.67	1.7%
Honolulu	41.01	Dole Community Park	840	\$145.58	2.0%
Honolulu	41.02	The Queen's Medical Center	1318	\$134.42	2.0%
Honolulu	42.01	Kukui Plaza	955	\$125.08	1.4%
Honolulu	42.02	Central Middle School	895	\$173.33	1.2%
Honolulu	43.01	Punchbowl Cemetery	931	\$186.50	1.9%
Honolulu	43.02	Kawānanakoa Middle School	1033	\$183.08	2.2%
Honolulu	44.01	Pauoa Elementary School	791	\$218.58	1.8%
Honolulu	44.02	Upper Pauoa Stream	849	\$215.42	1.4%
Honolulu	45	Dowsett Highlands	2069	\$185.92	1.4%
Honolulu	46	Puunui-Waakanaka Street	1082	\$219.58	1.3%
Honolulu	47.01	'Ālewa Heights	792	\$237.67	1.8%
Honolulu	47.02	St. Francis Medical Center	776	\$248.58	1.6%
Honolulu	48.01	Kamehameha Schools	963	\$232.58	1.9%
Honolulu	48.02	Pu'ukamali'i Cemetery	989	\$240.00	1.9%
Honolulu	49	Lanakila	1053	\$220.33	2.2%
Honolulu	50	Kuakini	1478	\$169.50	2.5%
Honolulu	51	Foster Botanical Garden	1567	\$157.50	2.0%
Honolulu	52	Chinatown	1349	\$126.75	3.3%
Honolulu	53	A'ala	1411	\$148.50	2.6%
Honolulu	54	Mayor Wright Housing	395	\$193.58	4.9%
Honolulu	55	Pālama	578	\$211.17	2.5%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Honolulu	56.01	Likelike Elementary School	709	\$212.33	3.3%
Honolulu	56.02	Farrington High School	1074	\$250.83	2.6%
Honolulu	57	Iwilei-Ānuenue	986	\$150.92	1.9%
Honolulu	58	Waiakamilo Road	1020	\$153.25	2.6%
Honolulu	59	Mokauea Street	602	\$197.67	3.0%
Honolulu	60	Umi Street	1221	\$262.83	2.2%
Honolulu	61	Kalihi Waena	761	\$289.92	1.9%
Honolulu	62.02	Linapuni Street	588	\$186.33	2.9%
Honolulu	62.03	Fern Elementary School	1279	\$221.50	2.6%
Honolulu	63.01	Kalihi Valley Park	796	\$302.00	2.4%
Honolulu	63.02	Kalena Drive	607	\$235.25	3.3%
Honolulu	64.01	Gulick Avenue-Likelike	417	\$303.25	2.1%
Honolulu	64.02	Kamanaiki Street	1477	\$261.08	1.5%
Honolulu	65	Upper Kalihi Valley	1125	\$290.58	2.1%
Honolulu	67.03	Tripler Hospital	470	\$197.58	1.5%
Honolulu	67.04	Moanalua Valley	2601	\$189.42	1.8%
Honolulu	68.06	Ala Lilikoī	549	\$203.33	1.4%
Honolulu	68.1	Aliamanu Makai	985	\$198.33	2.7%
Honolulu	68.11	Aliamanu Mauka	404	\$160.67	2.1%
Honolulu	68.12	Moanalua High School	611	\$162.50	1.6%
Honolulu	68.13	Honolulu Country Club	2072	\$157.50	1.3%
Honolulu	68.14	Ala Ilima Street-Ala Lilikoī Street	856	\$175.92	2.1%
Honolulu	68.15	Ala Ilima Street-Ala Napuaa Place	1045	\$159.67	1.9%
Honolulu	68.16	Likini Street-Aila Street	524	\$225.42	1.7%
Honolulu	68.17	Likini Street-Maluna Street	923	\$263.33	1.8%
Honolulu	68.18	Hoa Aloha Neighborhood Park	734	\$150.33	2.0%
Honolulu	68.19	Likini Street-Ala Nani Street	1301	\$160.50	2.4%
Honolulu	69	Arizona Road	1048	\$199.50	2.2%
Honolulu	70.01	Navy Exchange Mall	844	\$162.58	2.5%
Honolulu	70.02	Aliamanu Middle & Elementary School	1042	\$186.50	2.5%
Honolulu	71	Nimitz Elementary School	1117	\$182.58	2.0%
Honolulu	73.02	Hangar Avenue-Vickers Avenue	1708	\$179.00	1.8%
Honolulu	74	Ford Island	882	\$189.83	1.9%
Honolulu	75.04	Aloha Stadium	963	\$194.33	3.0%
Honolulu	75.07	Camp H.M. Smith	1871	\$220.08	1.6%
Honolulu	75.08	Stadium Mall	2206	\$213.25	1.9%
Honolulu	77.01	Lower 'Aiea	1201	\$232.67	2.0%
Honolulu	77.02	'Aiea Heights	1764	\$219.00	1.6%
Honolulu	78.04	Lower Pearl City	611	\$239.25	1.8%
Honolulu	78.07	Pearl Ridge High Rise	2796	\$148.58	1.9%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Honolulu	78.08	Pearlridge Center	1129	\$201.75	2.4%
Honolulu	78.09	Newtown	1313	\$200.67	1.3%
Honolulu	78.12	Newtown Neighborhood Park	817	\$217.50	2.3%
Honolulu	78.13	Wai'au Elementary School	921	\$236.42	1.9%
Honolulu	78.14	Nahele Neighborhood Park	1163	\$184.42	1.2%
Honolulu	78.15	Pearl City High School	746	\$208.00	1.4%
Honolulu	78.16	Kaonohi Street	1347	\$177.75	1.8%
Honolulu	78.17	Pono Street	493	\$222.83	1.5%
Honolulu	80.01	Hale Mohalu Hospital	924	\$201.83	2.7%
Honolulu	80.02	Lower Wai'au	787	\$238.33	2.0%
Honolulu	80.05	Pacific Palisades	2132	\$199.00	1.6%
Honolulu	80.08	Manana Housing	478	\$211.33	2.2%
Honolulu	80.09	Pearl Highlands Center	1273	\$181.33	2.9%
Honolulu	80.1	Waimano Home Road-Ho'omoana Street	673	\$223.08	1.9%
Honolulu	80.11	Manana Elementary School	795	\$189.00	1.5%
Honolulu	80.12	Pearl City Highlands Elementary School	830	\$225.58	1.9%
Honolulu	80.13	Waimano Home Road-Komo Mai Drive	697	\$194.42	1.4%
Honolulu	83.01	Iroquois Point	1511	\$378.42	3.9%
Honolulu	83.02	Campbell High School	1363	\$329.00	2.9%
Honolulu	84.05	Holomua School	1340	\$287.42	2.4%
Honolulu	84.07	Ocean Pointe	1166	\$317.42	2.6%
Honolulu	84.08	Hoakalei Country Club	3205	\$285.83	2.2%
Honolulu	84.1	Coral Creek Golf Course	1838	\$281.50	2.1%
Honolulu	84.11	Geiger Road	1218	\$240.17	2.5%
Honolulu	84.13	Pu'uoloa Neighborhood Park	690	\$370.08	2.8%
Honolulu	84.14	Keanui Drive-Ho'omahana Street	695	\$309.50	2.3%
Honolulu	84.15	Hoalauna Community Park	1090	\$287.25	2.1%
Honolulu	84.16	Kolowaka Drive-Koka Street	857	\$332.75	2.9%
Honolulu	84.17	Kolowaka Drive-Fort Weaver Road	1442	\$219.83	2.3%
Honolulu	84.18	Ewa Beach Park	1362	\$321.08	2.8%
Honolulu	85.02	Kalaeloa	806	\$443.50	4.9%
Honolulu	86.09	Ko Olina-Honokai Hale	701	\$265.25	2.9%
Honolulu	86.10	Ko Olina Resort	467	\$256.42	2.2%
Honolulu	86.11	Kahe	4	\$343.75	1.7%
Honolulu	86.23	UH West O'ahu	1381	\$288.33	2.3%
Honolulu	86.24	Fort Weaver Road-A'awa Drive	789	\$262.58	2.1%
Honolulu	86.25	Fort Weaver Road-Renton Road	950	\$264.83	3.1%
Honolulu	86.26	Ewa Villages Golf Course	955	\$267.50	3.2%
Honolulu	86.27	Honouliuli National Historic Site	2463	\$284.50	2.4%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Honolulu	86.28	The Villas at A'eloa	1061	\$245.17	1.8%
Honolulu	86.29	Kekuilani Loop	690	\$234.83	2.7%
Honolulu	86.30	Makakilo Community Park	906	\$302.25	2.6%
Honolulu	86.31	Makakilo Heights Neighborhood Park	1178	\$225.33	2.0%
Honolulu	86.32	Makakilo Elementary School	1360	\$268.08	2.3%
Honolulu	86.33	Maukalani Neighborhood Park	970	\$258.00	2.3%
Honolulu	86.34	Panana Street-Hame Street	1069	\$250.58	2.4%
Honolulu	87.02	St. Joseph School	1497	\$259.50	3.0%
Honolulu	87.04	Waipahu High School	615	\$268.33	2.2%
Honolulu	87.05	Waipahu Intermediate School	833	\$249.83	4.5%
Honolulu	87.06	Kapapapuhi Point Park	1086	\$287.00	3.0%
Honolulu	87.07	Waipahu District Park	1297	\$281.83	2.7%
Honolulu	88.01	Paiwa Street-Hiapo Street	819	\$293.42	2.6%
Honolulu	88.02	Waipahu Uka Neighborhood Park	1075	\$253.75	2.1%
Honolulu	89.06	Mililani Golf Course	1399	\$228.17	2.1%
Honolulu	89.09	Mililani District Park	1400	\$227.33	1.9%
Honolulu	89.12	August Ahrens School	569	\$289.00	2.3%
Honolulu	89.13	Robinson Heights	710	\$283.25	2.1%
Honolulu	89.17	Mililani Town Center	1774	\$207.75	1.6%
Honolulu	89.18	Mililani: Nob Hill	1781	\$222.08	1.9%
Honolulu	89.21	Waipio	581	\$257.67	1.8%
Honolulu	89.26	Laulani Valley-Mililani Technology Park	793	\$200.17	2.2%
Honolulu	89.28	Mililani Mauka Middle School	1239	\$218.58	1.4%
Honolulu	89.29	Mililani Mauka-Meheula Parkway	2143	\$194.75	2.1%
Honolulu	89.30	Mililani: Ainamakua Drive	821	\$195.75	1.4%
Honolulu	89.31	Waiawa Prison	808	\$213.50	1.2%
Honolulu	89.32	Kamaio Neighborhood Park	730	\$228.00	1.8%
Honolulu	89.33	Kealohi Neighborhood Park	1142	\$217.92	1.9%
Honolulu	89.34	Royal Kunia Golf Course	1128	\$232.83	1.6%
Honolulu	89.35	Kupuohi Neighborhood Park	1216	\$214.33	2.1%
Honolulu	89.36	Kaleiopuu Elementary School	764	\$241.08	2.1%
Honolulu	89.37	Farrington Highway-Leoku Street	525	\$195.25	2.1%
Honolulu	89.38	Pacific Supermarket	706	\$274.42	2.9%
Honolulu	89.39	Melemanu Neighborhood Park	932	\$189.75	2.4%
Honolulu	89.40	Waimakua Drive-Wailawa Street	841	\$220.00	2.1%
Honolulu	89.41	Mililani Waena Elementary School	699	\$255.33	2.0%
Honolulu	89.42	Mililani Shopping Center	722	\$208.17	2.4%
Honolulu	89.43	Meheu Street	395	\$196.00	1.3%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Honolulu	89.44	Ko'olani Drive-Ho'olu Street	1326	\$209.92	1.8%
Honolulu	89.45	Ka Uka Boulevard-Moaniani Street	593	\$207.08	2.3%
Honolulu	89.46	Waipio Uka Street-Mohalu Street	1191	\$178.50	1.8%
Honolulu	89.47	Ka Uka Boulevard-Ukee Street	633	\$198.42	1.9%
Honolulu	89.48	Kanoelani Elementary School	1116	\$180.75	1.8%
Honolulu	89.49	Waikele Country Club	725	\$215.25	1.8%
Honolulu	89.50	Kunia Neighborhood Park	499	\$208.42	1.6%
Honolulu	89.51	Kupuna Loop-Kaaka Street	560	\$201.75	1.5%
Honolulu	89.52	Patsy T. Mink Central O'ahu Regional Park	2252	\$213.08	1.9%
Honolulu	90	Wheeler-East Range	808	\$252.00	3.4%
Honolulu	91	Kaukonahua Road	1213	\$259.92	2.6%
Honolulu	92.01	'Iliahi Elementary School	1108	\$202.33	1.8%
Honolulu	92.02	Peterson's Upland Farm	743	\$244.17	2.2%
Honolulu	92.03	Leilehua High School	782	\$237.58	2.9%
Honolulu	93.01	Wahiawā General Hospital	467	\$161.83	2.3%
Honolulu	93.02	Wahiawā District Park	1161	\$223.83	1.8%
Honolulu	94.01	Ka'ala Elementary School	492	\$216.58	2.2%
Honolulu	94.02	Medical Arts Clinic Wahiawā	1225	\$252.58	3.9%
Honolulu	95.07	Schofield: McCarthy Field	500	\$233.08	4.5%
Honolulu	95.08	Carpenter Street-Henderson Loop	668	\$98.00	0.8%
Honolulu	95.09	Hewitt Street-Parrish Street	931	\$177.00	2.6%
Honolulu	95.10	Hendrich Street-Kolekole Avenue	482	\$166.67	2.3%
Honolulu	95.11	Solomon Elementary School	1054	\$206.25	3.3%
Honolulu	95.12	Wai'anae Avenue	578	\$274.67	3.5%
Honolulu	96.08	Lualualei Transmitter	1365	\$296.50	4.0%
Honolulu	96.09	Mā'ili Hawaiian Homeland	1423	\$288.58	2.9%
Honolulu	96.10	Mā'ili Beach Park	1671	\$300.25	3.0%
Honolulu	97.04	Lualualei: Halona Road	729	\$307.58	2.8%
Honolulu	97.05	Lualualei Beach Park	965	\$275.25	2.9%
Honolulu	97.06	Kaupuni Neighborhood Park	758	\$348.92	3.4%
Honolulu	97.07	Wai'anae Valley Road	1958	\$265.25	3.8%
Honolulu	98.01	Mākua Valley	1159	\$183.92	2.5%
Honolulu	98.03	Lahilahi Point	855	\$258.92	3.8%
Honolulu	98.04	Makaha Elementary School	856	\$290.08	4.3%
Honolulu	99.02	Hale'iwa	1044	\$289.00	3.0%
Honolulu	99.05	Wai'alua District Park	981	\$304.58	3.5%
Honolulu	99.06	Mokulē'ia	782	\$203.58	2.0%
Honolulu	100	Kawailoa	1653	\$263.58	2.9%
Honolulu	101.01	Pūpūkea	821	\$271.17	2.7%
Honolulu	101.02	Sunset Beach	766	\$291.58	2.4%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Honolulu	101.03	Turtle Bay	737	\$283.08	3.3%
Honolulu	102.02	Lā'ie	1345	\$316.67	2.9%
Honolulu	102.03	Punalu'u	338	\$229.83	2.3%
Honolulu	102.04	Hau'ula	586	\$292.67	2.8%
Honolulu	102.05	Ka'a'awa	547	\$223.08	2.1%
Honolulu	103.03	Kahalu'u-Waikāne	1380	\$274.75	2.2%
Honolulu	103.05	Ahuimanu	1587	\$261.75	1.9%
Honolulu	103.08	Kapunahala	1156	\$240.92	1.8%
Honolulu	103.09	Valley of the Temples Memorial Park	1421	\$249.92	1.7%
Honolulu	103.10	He'eia State Park	917	\$238.33	1.8%
Honolulu	105.03	Kāne'ohe District Park	514	\$255.33	2.1%
Honolulu	105.05	He'eia Kea	1044	\$248.08	1.7%
Honolulu	105.07	Kahuhipa Street	1679	\$230.25	2.0%
Honolulu	105.08	Lilipuna Road	1001	\$251.00	2.0%
Honolulu	105.09	Kamehameha Highway-Lilipuna Road	538	\$214.25	2.2%
Honolulu	105.10	Kāne'ohe Civic Center Neighborhood Park	999	\$259.58	2.1%
Honolulu	106.01	Puohala	1083	\$236.67	1.7%
Honolulu	106.02	Castle High School-Halekou Road	1728	\$247.00	1.7%
Honolulu	107.01	Kokokahi	1400	\$237.75	1.4%
Honolulu	107.02	Mokulele Drive	1187	\$257.17	2.1%
Honolulu	109.01	Kalāheo Hillside	843	\$273.75	1.7%
Honolulu	109.03	Oneawa Street-Kawainui	1443	\$245.08	2.1%
Honolulu	109.04	Maluniu Avenue	1100	\$248.75	1.7%
Honolulu	109.05	Ulupaina Street	960	\$229.92	2.0%
Honolulu	110	Maunawili	1175	\$263.42	1.6%
Honolulu	111.03	Olomana	1249	\$240.92	1.6%
Honolulu	111.04	Enchanted Lakes	1603	\$268.75	1.7%
Honolulu	111.05	Kailua Town	1453	\$229.17	1.8%
Honolulu	111.06	Keolu	1902	\$263.00	1.8%
Honolulu	112.01	Kalāheo Avenue	1568	\$219.50	1.4%
Honolulu	112.02	Lanikai	667	\$247.75	1.6%
Honolulu	113	Waimānalo	1242	\$331.08	2.4%
Honolulu	114.01	Lehua Community Park	827	\$197.75	2.6%
Honolulu	115	Kapolei	3812	\$272.75	2.3%
Honolulu	116	Tantalus	702	\$207.17	1.2%
Honolulu	9400.03	Waimānalo Bay Beach Park	608	\$265.33	2.2%
Honolulu	9400.04	Makapu'u Point	538	\$306.67	2.5%
Honolulu	9400.05	Nanakuli High & Intermediate School	572	\$352.08	2.7%
Honolulu	9400.06	Nānākuli Beach Park	629	\$329.75	3.8%
Honolulu	9400.07	Pacific Shopping Mall	536	\$267.75	3.5%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Honolulu	9806	Schofield Forest Reserve	20	\$81.33	2.3%
Honolulu	9811	Bellows Air Force Base	3	\$216.00	1.3%
Honolulu	9813	Mapunapuna Industrial	64	\$143.58	1.8%
Honolulu	9814	Nimitz-Airport Commercial	6	\$279.17	2.6%
Honolulu	9817	Kāne'ohe Klipper Golf Course	862	\$186.92	3.4%
Honolulu	9818.01	Marine Corps Exchange	1089	\$161.25	2.4%
Honolulu	9818.02	Mōkapu Point	436	\$243.42	2.0%
Honolulu	9818.03	Nu'upia Ponds	388	\$180.67	4.2%
Honolulu	9820	Fort Shafter	187	\$216.42	1.5%
Kalawao	319	Spreckelsville	32	\$136.25	1.9%
Kaua'i	401.04	Hā'ena-Handeai	407	\$221.25	2.0%
Kaua'i	401.05	Kalihiwai-Kīlauea	1362	\$223.00	2.2%
Kaua'i	401.06	Princeville	927	\$198.58	1.9%
Kaua'i	402.04	Wailua Houselots	1956	\$197.67	1.7%
Kaua'i	402.05	Wailua Homesteads	1683	\$207.75	1.8%
Kaua'i	403.01	Kapahi	1839	\$215.58	2.4%
Kaua'i	403.02	Kapa'a Town	744	\$213.83	2.4%
Kaua'i	404.01	Lihue-Kukui Grove Mall	1806	\$231.83	2.5%
Kaua'i	404.02	Hanamaulu-Lower Puhi	920	\$195.92	1.9%
Kaua'i	405	Līhu'e	2133	\$219.00	2.3%
Kaua'i	406.03	Kōloa-Po'ipū	1028	\$219.33	2.0%
Kaua'i	406.04	Omao-Kukui'ula	1294	\$203.67	2.3%
Kaua'i	407.01	South Kalāheo-'Ele'ele	917	\$219.25	2.1%
Kaua'i	407.02	Kalāheo-Kalawai Park	1765	\$201.92	2.0%
Kaua'i	408	Kaumakani-Hanapēpē	1084	\$221.00	2.2%
Kaua'i	409	Kekaha-Waimea	1745	\$196.75	2.3%
Kaua'i	9400	Anahola	1368	\$207.42	2.4%
Maui	301	Hāna	500	\$212.50	3.3%
Maui	302.01	Huelo	1054	\$212.17	2.4%
Maui	302.03	West Haiku	1509	\$233.67	2.0%
Maui	302.04	East Haiku	1350	\$265.17	2.7%
Maui	303.04	Kula West	937	\$242.33	2.0%
Maui	303.05	Lava Fields	2258	\$215.25	2.1%
Maui	303.06	Kula Makai	1008	\$210.08	2.3%
Maui	303.07	La Perouse Bay	809	\$211.00	1.2%
Maui	304.03	Makawao	1310	\$227.58	2.1%
Maui	304.04	Hāli'imaile	1979	\$235.83	2.3%
Maui	304.05	Kamehameha School	712	\$253.83	1.6%
Maui	304.06	A'apueo Parkway	2395	\$231.42	1.9%
Maui	305.01	Paia	800	\$233.17	2.1%
Maui	307.05	Kihei Mauka	1234	\$241.75	2.3%

County	Census tract	Census tract name	Housing count	Average monthly electricity cost	Average electricity burden
Maui	307.06	Kealia	982	\$230.58	2.4%
Maui	307.08	Halama	1104	\$219.17	1.9%
Maui	307.09	Kama'ole	1634	\$192.50	2.1%
Maui	307.10	Keawakapu	1103	\$218.83	2.4%
Maui	307.11	Ka'ono'ulu St.	912	\$203.17	2.3%
Maui	307.12	Kulanihako'i St.	837	\$256.17	2.4%
Maui	307.13	West Waipuilani Rd.	1298	\$217.58	2.4%
Maui	308	Waihe'e-Waikapū	2202	\$229.33	1.8%
Maui	309.01	West Central Wailuku	925	\$222.92	2.6%
Maui	309.02	East Central Wailuku	1067	\$248.42	2.9%
Maui	309.03	North Wailuku	1807	\$265.75	2.2%
Maui	310.01	Kamaile St.	2222	\$242.00	1.9%
Maui	310.02	Liholiho St.	1551	\$209.00	2.2%
Maui	311.02	Central Kahului	1765	\$226.08	2.1%
Maui	311.04	Maui Lani Parkway - Kuihelani Highway, North	895	\$221.58	1.4%
Maui	311.05	West Papa Ave.	1812	\$254.83	2.7%
Maui	311.06	Keopuolani Park	1573	\$214.58	1.9%
Maui	311.07	Maui Lani Parkway - Kuihelani Highway, South	465	\$259.42	1.7%
Maui	314.02	Kahoma	855	\$243.58	2.1%
Maui	314.04	Lahaina	1207	\$215.67	3.3%
Maui	314.05	Lahainaluna	1500	\$285.25	2.2%
Maui	315.01	Kapalua	719	\$254.33	2.2%
Maui	315.03	Honokōwai	1223	\$207.42	2.1%
Maui	315.04	Honokōhau Stream	584	\$256.42	1.6%
Maui	315.05	Kahana Stream	918	\$212.42	1.7%
Maui	316.01	Lāna'i	1241	\$223.92	2.5%
Maui	317	East Moloka'i	1529	\$231.67	3.1%
Maui	318.01	West Moloka'i	844	\$220.50	3.6%
Maui	319	Kalawao	1679	\$229.08	2.6%
Maui	320	Launiupoko	420	\$187.83	1.4%

Notes: Household electricity burden is the percentage of household income spent on electricity bills. It is calculated as the ratio of the average annual electricity cost to average annual household income for each household group.

Source: U.S. Department of Energy, State & Community Energy Programs. (2024). Low-Income Energy Affordability Data - LEAD Tool. Income type set to Federal Poverty Level. Data accessed 12/20/2024 from <https://www.energy.gov/scep/slsc/lead-tool>.

Figure B-1. Electricity burden by census tract: State of Hawai'i

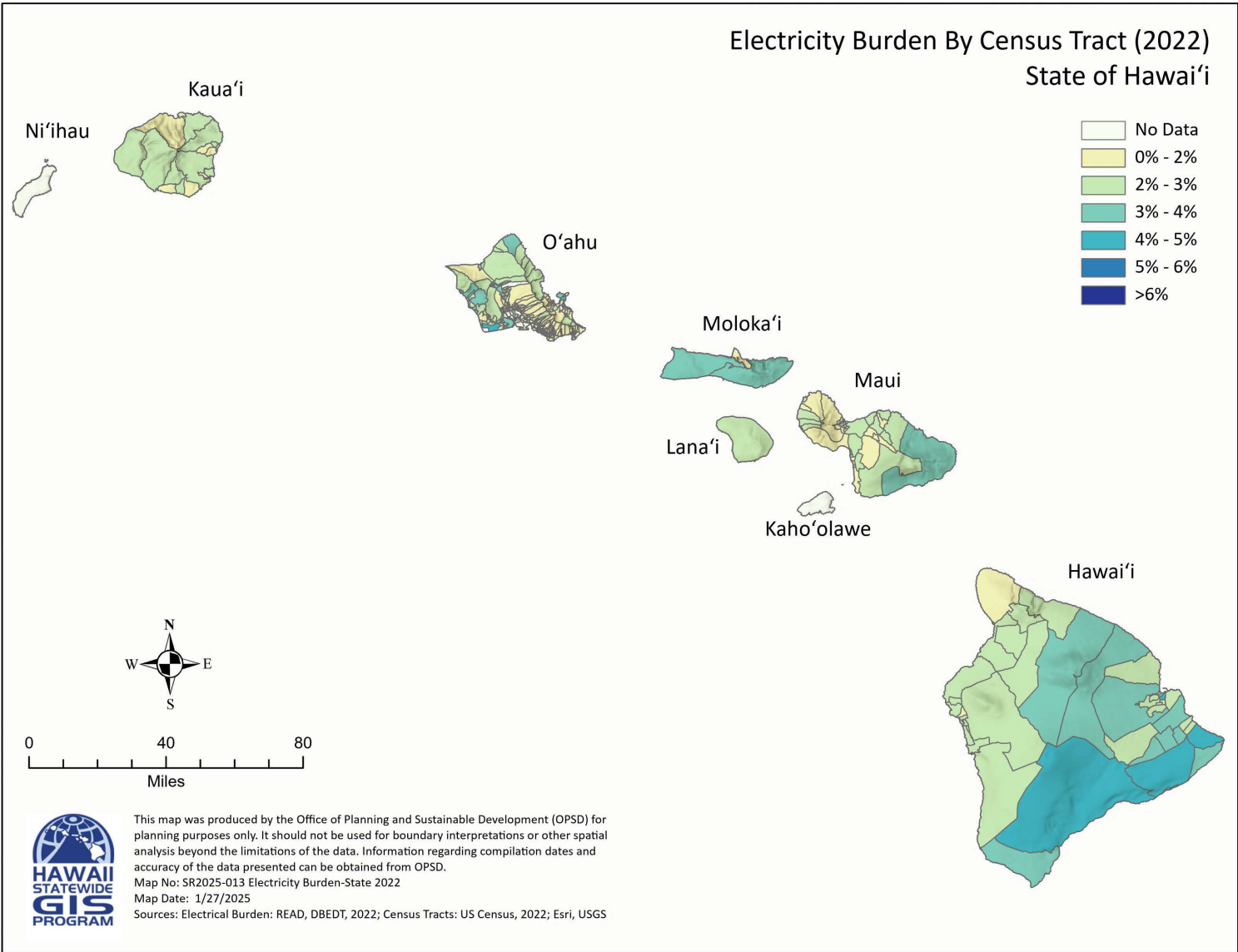


Figure B-2. Electricity burden by census tract: County of Hawai'i

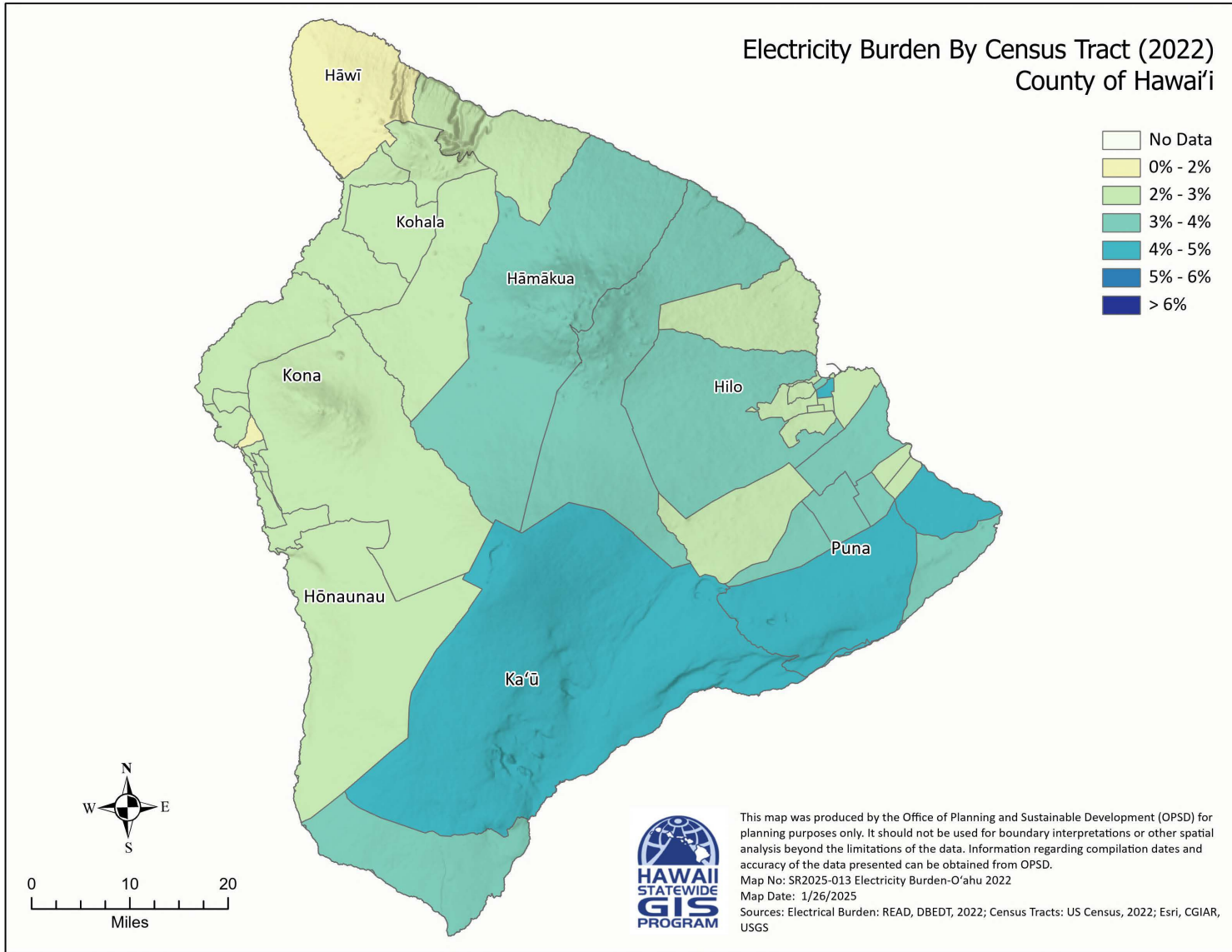


Figure B-3. Electricity burden by census tract: City and County of Honolulu

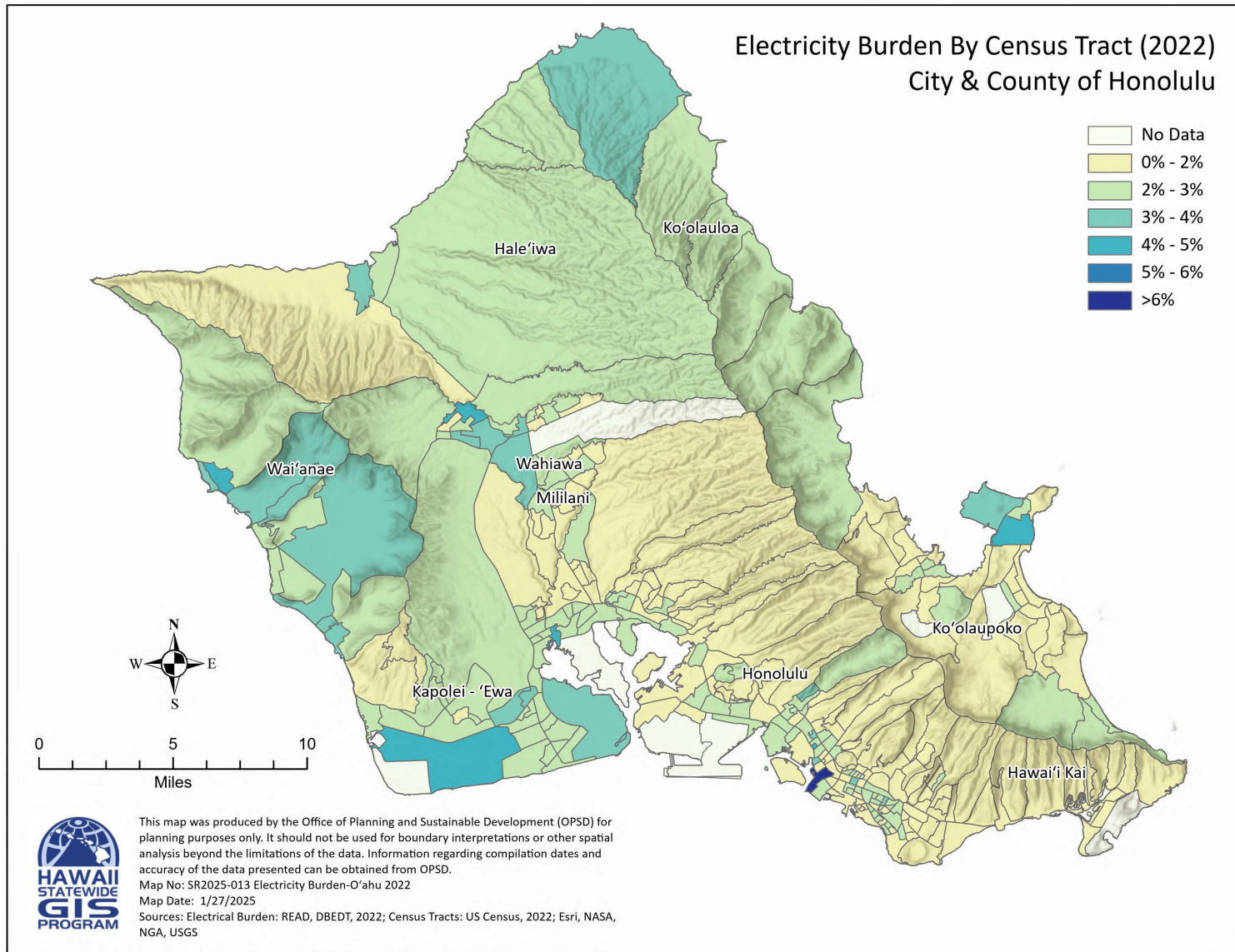


Figure B-4. Electricity burden by census tract: County of Kaua'i

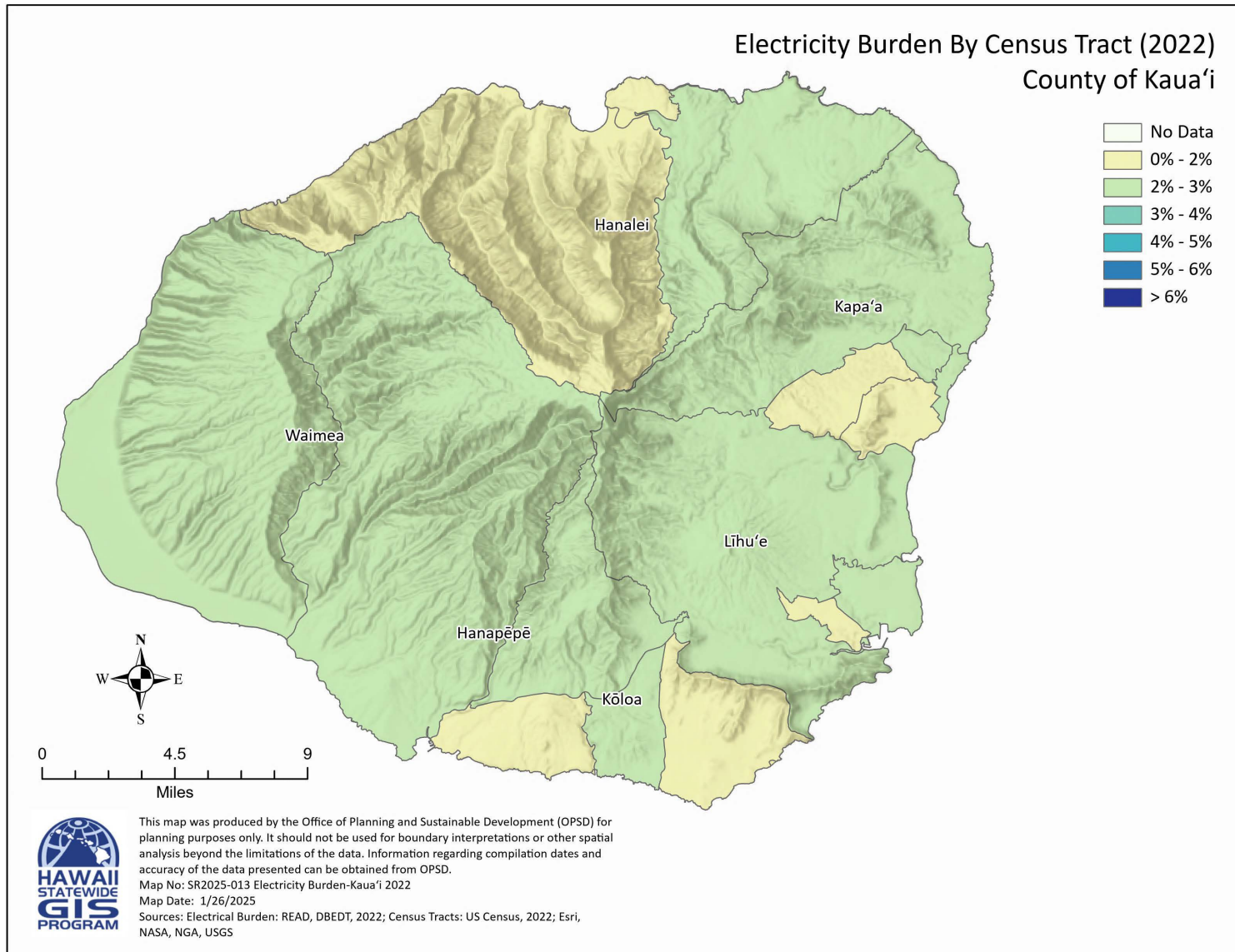


Figure B-5. Electricity burden by census tract: County of Maui

