

# LA Barometer

## TOPLINE RESULTS – WAVE 2 – SUSTAINABILITY SURVEY

Release Date: December 7, 2021. Field dates: July 19, 2021 – September 5, 2021.

Sample: 1,244 Los Angeles County residents (74% response rate)

Margin of Sampling Error<sup>1</sup>: 2.8 percentage points

Full survey codebook and data are at <https://uasdata.usc.edu/survey/UAS+403>. The tables report weighted column percentages.

*We would like to learn more about your living conditions, your attitudes and habits, and your neighborhood community. Thank you for your participation in this important study about where we live.*

**ht001a-h.** Which of the following do you have in your current residence, **in working order?**

	Yes	No	Unsure
Central air conditioning	47.39	51.24	1.37
Other type of air conditioner (window, portable, etc.)	46.87	51.88	1.25
Fan (window, ceiling, portable, etc.)	81.96	16.82	1.23
Forced heating system (heat coming from vents in the wall or floor)	52.27	45.48	2.25
Other type of heater (portable, floor heating, etc.)	38.86	58.78	2.36
Gas stove	84.06	15.43	0.51
Electric stove	14.92	83.79	1.30
Induction stove	4.23	90.83	4.93

Asked of respondents who selected “gas stove” in ht001 (n = 1,049).

**ht002.** Is there a working vent or range hood over your gas stove? A vent or range hood removes odors as well as excess heat, steam, or smoke that is released into the air while cooking.

Yes	80.95
No	19.05

<sup>1</sup> Factors other than sampling error, including question wording, question order, sample type (e.g. opt-in panels vs. probability panels such as UAS), population coverage, and impact of current events, may affect the results of any survey. In addition, the results of questions asked without an interviewer (e.g. in an internet panel) may differ somewhat from similar questions asked by an interviewer over the phone. The margin of sampling error is calculated at the 95% confidence level, using a sample proportion of 0.5 to generate an upper bound of uncertainty. Please note that this is only an approximate measure of error. A more precise measure would require upper and lower bounds to be calculated for each individual question or outcome.

Asked of respondents who selected “electric stove” in ht001 (n = 189).

**ht003.** Is there a working vent or range hood over your electric stove? A vent or range hood removes odors as well as excess heat, steam, or smoke that is released into the air while cooking.

Yes	78.39
No	21.61

Asked of respondents who selected “induction stove” in ht001 (n = 57).

**ht004.** Is there a working vent or range hood over your induction stove? A vent or range hood removes odors as well as excess heat, steam, or smoke that is released into the air while cooking.

Yes	68.61
No	31.39

**ht005a-h.** In the last 12 months, have you had any of the following problems in your home?

	Yes	No	Unsure
Broken air conditioner	11.08	87.31	1.61
Broken heating system	7.63	90.08	2.29
Inadequate air conditioning	18.91	77.95	3.13
Inadequate heating system	9.70	87.79	2.50
Inadequate insulation (drafty windows, gap between doors and floor, etc.)	23.95	73.62	2.44
Inability to afford using or repairing air conditioner	10.00	86.46	3.54
Inability to afford using or repairing heater	7.29	89.79	2.92
Poor ventilation (lack of air flow, poor indoor air quality)	14.56	81.14	4.29

**ht006a.** Please rate how strongly you agree or disagree with the following statement: There are enough trees in my neighborhood to provide adequate shade for walking on a hot sunny day.

Agree strongly	10.25
Agree	19.47
Agree somewhat	24.10
Neither agree nor disagree	9.46
Disagree somewhat	14.59

Disagree	12.91
Disagree strongly	9.22

**ht006b.** Please rate how strongly you agree or disagree with the following statement: The bus and/or Metro stops in my neighborhood are well-shaded.

Agree strongly	3.42
Agree	10.27
Agree somewhat	15.12
Neither agree nor disagree	20.05
Disagree somewhat	11.51
Disagree	17.16
Disagree strongly	15.09
Not applicable-no stops in my neighborhood	7.37

**ht007a-j.** In the last 12 months, have you visited any of the following places for the sole purpose of trying to cool down or get out of the heat?

	Yes	No	Unsure
Mall or store	27.95	71.29	0.77
Library	4.50	94.82	0.68
Community center	2.65	96.11	1.23
Senior center	1.49	97.18	1.34
Indoor recreation center	4.86	94.06	1.08
Park or other outdoor recreational space	23.05	76.01	0.94
Home of a friend, neighbor, or family member	20.63	78.59	0.78
Restaurant, food court, or café	23.33	75.89	0.78
Pool or beach	29.77	69.50	0.72
Other. Please specify:	3.34	92.35	4.31

**ht008.** What is your current labor force status?

Working	55.49
On sick or other leave from work	1.70
Temporarily laid off, or furloughed	2.59
Unemployed-on permanent layoff or looking for work	13.00
Retired	15.72
Disabled	3.75
Student	2.59
Other	5.17

Asked of respondents who selected "Working" in ht008 (n = 729).

**tp004.** You responded earlier in this survey that your current labor force status is "working."

**Currently**, about how many days do you work?

6-7 days per week	19.07
4-5 days per week	70.66
2-3 days per week	8.16
One day per week	1.27
Less than one day per week	0.83

**tp005. Currently**, about how many days do you work **from home**?

6-7 days per week	5.39
4-5 days per week	20.97
2-3 days per week	8.15
One day per week	5.66
Less than one day per week	5.94
Never	53.90

Asked of respondents who selected either “working” or “on sick or other leave from work” or “Temporarily laid off, or furloughed” in ht008 (n = 781).

**ht016.** Which of the following conditions do you work in for your job(s)? Please check all that apply.

For example, if your job requires you to spend half your workday outdoors under a tent and the other half of your workday outdoors without any covering, you would select both options.

	Yes	No
Outdoors, covered by a structure (like a tent, open shed, booth)	14.87	85.13
Outdoors, with no cover (exposed to all weather conditions)	16.00	84.00
Indoors, inside a building	86.04	13.96
In a closed vehicle (like a car)	11.59	88.41
In an open vehicle (like a tractor)	1.89	98.11

Asked of respondents who selected “indoors, inside a building” in ht016 (n = 693).

**ht009a-f.** Are any of the following available at your workplace(s)?

	Yes	No	Unsure
Windows that can be opened	54.75	43.70	1.55

Central air conditioning	76.74	22.27	0.99
Other type of air conditioner (window, portable, etc.)	36.79	61.30	1.90
Forced heating system (heat coming from vents in the wall or floor)	54.41	39.40	6.19
Other type of heater (portable, floor heating, etc.)	28.78	65.46	5.76
Fan	63.76	34.79	1.45

Asked of respondents who selected “outdoors, with no cover (exposed to all weather conditions)” in ht016 (n = 105).

**ht010.** For about how many hours in a typical week are you required to be outdoors for your job(s)? If you have multiple jobs in a typical week, please add up the number of outdoor hours required by all of your jobs in a typical week and report the total.

Please exclude time spent outdoors during your commute to and from work.

None	
Less than 1 hour	12.85
1-2 hours	9.32
3-5 hours	32.34
6-10 hours	12.79
11-15 hours	3.63
16-20 hours	8.99
21-25 hours	5.85
26-30 hours	4.02
31-35 hours	1.60
36-40 hours	5.76
More than 40 hours	2.85

Asked of respondents who selected “outdoors, with no cover (exposed to all weather conditions)” in ht016 (n = 105).

**ht011a-j.** Are any of the following provided by your employer(s)?

	Yes	No	Unsure
Paid sick leave	58.44	40.72	0.84
Additional break time on extremely hot days	31.05	64.79	4.16
Sun protective clothing	22.74	72.23	5.02
Sunscreen	29.86	66.82	3.32
Hat	40.57	56.13	3.29
Sunglasses	34.26	62.08	3.66
Shade from the sun	45.56	47.05	7.39
Portable fan	22.10	72.73	5.17
Portable air conditioner	12.34	85.59	2.07
Portable heater	9.27	86.37	4.36

**ht012a-p.** In the last 12 months, have you experienced any of the following symptoms due to heat exposure?

	Yes	No	Unsure
High body temperature (103 °F or higher)	3.27	92.22	4.51
Hot, red, dry, or damp skin	19.97	78.28	1.75
Cold, pale, and clammy skin	6.30	91.14	2.56
Fast, strong pulse	9.59	86.49	3.91
Fast, weak pulse	4.59	90.96	4.46
Headache	32.56	66.11	1.33
Dizziness	17.13	81.75	1.12
Nausea	10.67	88.28	1.05
Vomiting	3.77	94.56	1.67
Confusion	4.73	93.42	1.85
Passing out (fainting, losing consciousness)	1.11	97.87	1.02
Heavy sweating	24.24	74.35	1.40
Muscle pain or spasms	13.66	85.56	0.77
Tiredness or weakness	29.25	68.91	1.84
Sunburn (painful, red, and warm skin; blisters)	11.75	87.32	0.94
Heat rash (red clusters of small blisters that look like pimples)	7.08	91.94	0.98

**ht014a-e.** In the last 12 months did you spend one or more nights in the hospital (where you were not in an emergency room) for any of the follow heat-related conditions?

	Yes	No	Unsure
Heat stroke	0.16	99.32	0.52
Heat exhaustion	1.88	96.91	1.21
Fainting due to overheating	0.49	98.60	0.91
Heat cramps	0.89	98.47	0.64
Heat rash	2.38	96.95	0.67

[Asked of respondents who selected "yes" to any of the symptoms in ht012.](#)

**ht015a-p.** In the last 12 months, how many times did you experience the following symptoms due to heat exposure?

	Once	2-3 times	4-6 times	7-9 times	10 or more times
High body temperature (103 °F or higher)	54.31	26.44	16.62		2.63
Hot, red, dry, or damp skin	22.93	41.01	21.05	5.18	9.83
Cold, pale, and clammy skin	32.88	33.52	23.28	2.98	7.33
Fast, strong pulse	18.68	40.02	19.27	7.99	14.04

Fast, weak pulse	25.14	36.02	22.05	6.76	10.03
Headache	18.76	40.69	17.30	9.15	14.10
Dizziness	24.57	37.90	23.71	6.35	7.46
Nausea	33.85	38.55	11.86	3.72	12.02
Vomiting	52.60	44.79	1.68	0.93	
Confusion	22.42	40.94	21.44	5.38	9.83
Passing out (fainting, losing consciousness)	52.50	43.79	3.71		
Heavy sweating	7.49	27.10	21.96	14.01	29.45
Muscle pain or spasms	19.61	36.68	18.81	13.42	11.47
Tiredness or weakness	12.26	29.99	25.60	12.24	19.92
Sunburn (painful, red, and warm skin; blisters)	32.38	49.17	11.12	2.74	4.60
Heat rash (red clusters of small blisters that look like pimples)	31.35	23.40	24.27	7.52	13.45

Please rate how strongly you agree or disagree with the following statements:

**st001a.** Climate change is a threat to the well-being of residents in Los Angeles County.

Strongly disagree	2.83
Disagree	3.07
Somewhat disagree	2.63
Neither agree nor disagree	14.82
Somewhat agree	12.91
Agree	27.44
Strongly agree	36.30

**st001b.** Climate change is caused mostly by human activities.

Strongly disagree	3.56
Disagree	5.00
Somewhat disagree	2.93
Neither agree nor disagree	15.12
Somewhat agree	16.09
Agree	26.90
Strongly agree	30.42

**st001c.** My individual actions can make a difference in fighting climate change.

Strongly disagree	4.60
Disagree	5.48
Somewhat disagree	6.04
Neither agree nor disagree	19.20
Somewhat agree	22.62
Agree	25.16

Strongly agree	16.89
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**st001d.** Local government is doing enough to fight climate change.

Strongly disagree	19.22
Disagree	20.19
Somewhat disagree	16.87
Neither agree nor disagree	26.59
Somewhat agree	10.53
Agree	4.56
Strongly agree	2.042

**st002a-n.** Which of the following do you have at your current residence?

	Yes	No	Unsure
Solar panels	8.57	90.25	1.19
Solar water heater	1.23	97.43	1.34
Wind turbine	1.10	97.08	1.82
Geothermal heat pump	0.45	95.99	3.56
Fuel-cell equipment	0.94	94.58	4.49
Low-flow plumbing fixtures	24.19	68.12	7.69
Tankless water heater	7.75	86.92	5.33
LED or CFL light bulbs	71.42	23.78	4.79
Daylights (skylights, light shelves, light tubes, etc.)	17.84	79.03	3.13
Ceiling fan	55.90	43.12	0.99
Programmable thermostat	39.99	57.37	2.65
Well-insulated windows and/or doors	47.23	45.34	7.43
Energy-efficient appliances and/or electronics	60.74	31.77	7.49
Energy-efficient landscaping	22.48	64.79	12.74

**st003a-q.** Please rate how often you...

	Never	Rarely	Sometimes	Often	Very Often
Recycle	4.69	4.15	13.57	26.11	51.48
Compost	54.59	16.56	16.65	5.80	6.39
Limit your car usage	12.37	11.36	38.91	22.24	15.12
Limit your water usage	5.50	9.35	43.33	31.27	10.55
Limit your electricity usage	5.11	10.26	40.63	31.48	12.51
Limit your food waste	5.44	7.87	31.29	37.48	17.92
Limit or eliminate your consumption of meat	14.57	20.69	36.86	18.83	9.06
Buy or eat locally-produced food	6.25	9.60	48.82	25.54	9.78



Buy or eat organic food	12.26	26.18	42.39	13.18	5.99
Buy or eat sustainably-sourced food (food produced in an environmentally friendly way)	10.69	27.26	43.98	14.35	3.72
Buy or eat low- or un-processed food	7.87	20.59	43.67	20.39	7.49
Buy food with little or no packaging	6.90	21.18	46.65	20.03	5.24
Limit your use of plastic	7.32	17.88	43.64	23.92	7.24
Hang your clothes to dry instead of using the dryer	30.37	24.05	28.43	8.40	8.74
Limit your use of air conditioning, even when it is hot	13.41	18.55	36.73	16.61	12.70

**pl001.** In the last 12 months, have you taken any medication or used an inhaler for asthma to prevent symptoms?

Yes	11.48
No	87.19
Unsure	1.33

**pl002.** Most times of the year, how safe do you consider the air quality in your home for breathing? If you're not sure, please give your best guess.

Very unsafe	2.07
Unsafe	4.15
Somewhat unsafe	9.57
Neither safe nor unsafe	15.92
Somewhat safe	27.76
Safe	32.54
Very safe	8.00

**pl003.** Most times of the year, how safe do you consider the air quality in your neighborhood for breathing? If you're not sure, please give your best guess.

Very unsafe	2.98
Unsafe	6.92
Somewhat unsafe	14.58
Neither safe nor unsafe	19.98
Somewhat safe	29.28
Safe	22.91
Very safe	3.36

**pl004.** Most times of the year, how safe do you consider the quality of the tap water in your neighborhood for drinking? If you're not sure, please give your best guess.

Very unsafe	7.04
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Unsafe	10.29
Somewhat unsafe	15.74
Neither safe nor unsafe	18.79
Somewhat safe	24.24
Safe	20.73
Very safe	3.17

**pl005.** In the last 12 months, did you ever avoid going outside because you were concerned about the quality of the air for breathing, **due to a nearby wildfire?**

Yes	51.32
No	41.13
I don't remember	7.55

**pl006.** In the last 12 months, did you ever avoid going outside because you were concerned about the quality of the air for breathing, **due to reasons other than a wildfire?**

Yes	25.75
No	65.38
I don't remember	8.86

**pl007.** In the last 12 months, did you ever avoid going to a specific place in Los Angeles County because you were concerned about the quality of the air in that place for breathing?

Yes. Please specify the place(s) you avoided:	13.04
No	68.91
I don't remember	18.04

Asked of respondents who selected “working” or “on sick or other leave from work” or “temporarily laid off, or furloughed” in ht008 (n = 776).

**tr001.** Does your employer have a commuter benefit program? A commuter benefit program reduces transportation costs (like the cost of public transit) for employees using eligible forms of transportation.

Yes	15.27
No	60.58
I don't know	20.21
I don't have an employer	3.95

Asked of respondents who selected “student” in ht008 (n = 33).

**tr002.** Does your school have a commuter benefit program? A commuter benefit program reduces transportation costs (like the cost of public transit) for students using eligible forms of transportation.

Yes	42.14
No	7.33
I don't know	50.53

Asked of respondents who selected either “working” or “on sick or other leave from work” in ht008 and “yes” in tr001 (n = 119).

**tr003.** Are you enrolled in the commuter benefit program provided by your employer?

Yes	20.40
No	79.13
Unsure	0.47

Asked of respondents who selected either “student” in ht008 and “yes” in tr002 (n = 10).

**tr004.** Are you enrolled in the commuter benefit program provided by your school?

Yes	24.36
No	75.64

**tr005a-c.** Do you currently own or lease the following cars?

	Yes	No
Electric car	2.31	97.69
Hydrogen car	0.68	99.32
Hybrid car	10.59	89.41

**tr006.** How likely is it that the next car you purchase or lease will be an **electric car**?

Very unlikely	19.45
Unlikely	12.56
Somewhat unlikely	12.84
Somewhat likely	21.15
Likely	8.09
Very likely	11.39
Not applicable - I do not plan to purchase or lease another car	14.52

Asked of respondents who selected either “very unlikely,” “unlikely,” or “somewhat unlikely” in tr006 (n = 534).

**tr007s1-s10.** Why are you **unlikely** to purchase or lease an electric car? Please select your primary reasons. You may select up to three.

Too expensive	54.62
I don't like the design/look	10.00
Concerned about safety	6.19
Concerned about running out of power	31.09
Concerned about performance (speed, acceleration, etc.)	7.89
Prefer the look and/or feel of gas-powered cars	8.33
Not knowledgeable about electric cars	13.03
I don't have easy access to charging stations	27.23
Concerned about maintenance costs	16.30
Other. Please specify:	9.11

Asked of respondents who selected either “somewhat likely,” “likely,” or “very likely” in tr006 (n = 551).

**tr008s1-s9.** Why are you **likely** to purchase or lease an electric car? Please select your primary reasons. You may select up to three.

Low fuel costs	71.10
I like the design/look	7.10
Low carbon dioxide (greenhouse gas) emissions	52.92
Government subsidies - tax credit, rebate	26.11
Energy efficiency	51.09
Resale value	1.42
Carpool lane access	15.62
Performance (speed, acceleration, etc.)	5.65
Other. Please specify:	1.06

Asked of respondents who selected any response other than “Not applicable” in tr006 (n = 1,102).

**tr009.** How likely is it that the next car you purchase or lease will be a hybrid car?

Very unlikely	22.13
Unlikely	12.08
Somewhat unlikely	14.07

Somewhat likely	24.62
Likely	11.67
Very likely	10.83
Not applicable - I do not plan to purchase or lease another car	4.61

Asked of respondents who selected either “very unlikely,” “unlikely,” or “somewhat unlikely” in tr009 (n = 482).

**tr010s1-s11.** Why are you **unlikely** to purchase or lease a hybrid car? Please select your primary reasons. You may select up to three.

Too expensive	47.04
I don’t like the design/look	16.64
Concerned about safety	6.69
Concerned about running out of power	15.92
Concerned about performance (speed, acceleration, etc.)	10.76
Prefer the look and/or feel of gas-powered cars	10.41
Not knowledgeable about hybrid cars	21.54
I don’t have easy access to charging stations	12.72
Concerned about maintenance costs	16.85
I plan to purchase or lease an electric car instead	8.95
Other. Please specify:	6.96

Asked of respondents who selected either “somewhat likely,” “likely,” or “very likely” in tr009 (n = 577).

**tr011s1-s9.** Why are you **likely** to purchase or lease a hybrid car? Please select your primary reasons.

Good gas mileage, low fuel costs	80.65
I like the design/look	5.61
Low carbon dioxide (greenhouse gas) emissions	50.58
Government subsidies - tax credit, rebate	17.72
Energy efficiency	58.82
Resale value	3.72
Carpool lane access	10.41
Performance (speed, acceleration, etc.)	3.88
Other. Please specify:	2.49

**ds001.** How prepared do you think your household is for an earthquake or other natural disaster?

Not at all prepared	26.07
Slightly prepared	31.34
Moderately prepared	36.07
Very prepared	5.11
Extremely prepared	1.41

**ds002a-g.** Please tell us if you have made any of the following preparations for an earthquake or other natural disaster near your home.

	Yes	No	Unsure
Has your household developed an emergency response plan?	30.27	64.80	4.93
Have you discussed an emergency response plan with your neighbors?	8.78	89.01	2.21
Does your household have a 3-day supply of non-perishable food and water?	56.26	39.32	4.41
Does your household have a backpack filled with supplies ready to take with you in case of an emergency?	28.03	69.03	2.93
Does your household have an emergency radio?	27.88	68.67	3.44
In case of an emergency, would everyone in your household be able to safely evacuate on their own or with assistance from others in the household?	63.15	27.01	9.84
Would you feel comfortable reaching out to your neighbors for help during an emergency?	60.84	29.82	9.34

**im001.** In the last 12 months (since June 2020), have you experienced any of the following due to a natural disaster, such as a wildfire, flooding, or extreme heat? Please check all that apply.

	Yes	No
Loss of income due to inability to work	4.48	95.52
Health problem(s)	3.17	96.83
Loss or destruction of property	1.45	98.55
Loss or destruction of possessions	1.13	98.87
Increased utility expenses	9.70	90.30

Temporary evacuation	0.86	99.14
None of the above	84.53	15.47

Asked of respondents who provided a response other than “None of the above” in im001 (n = 210).

**im002.** In the last 12 months (since June 2020), did the [option(s) selected in im001] brought on by a natural disaster make it difficult for you to afford household expenses like housing and food?

Yes	31.91
No	60.30
Unsure	7.80

**im003.** In the last 12 months (since June 2020), have you experienced any of the following mental or emotional health problems due to a natural disaster, such as a wildfire, flooding, or extreme heat?

	Yes	No
Anxiety	22.14	77.86
Depression	15.79	84.21
Prolonged fatigue	13.20	86.80
High stress	20.35	79.65

**cl001.** Please rate how strongly you agree or disagree with the following statements:

**cm001a.** To understand who I am, you must see me with members of my community.

Strongly disagree	34.64
Somewhat disagree	37.07
Somewhat agree	23.35
Strongly agree	4.94

**cm001b.** To me, pleasure is spending time with others.

Strongly disagree	7.04
Somewhat disagree	21.34
Somewhat agree	54.33
Strongly agree	17.29

**cm001c.** I would help, within my means, if a family member were in financial difficulty.

Strongly disagree	3.18
Somewhat disagree	7.88
Somewhat agree	48.60

Strongly agree	40.33
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**cm001d.** I make an effort to avoid disagreements with members of my community.

Strongly disagree	4.46
Somewhat disagree	20.22
Somewhat agree	50.41
Strongly agree	24.90

**cm001e.** Before making a decision, I always consult with others.

Strongly disagree	10.28
Somewhat disagree	34.01
Somewhat agree	43.77
Strongly agree	11.95

**cm001f.** How I behave depends on who I am with, where I am, or both.

Strongly disagree	16.85
Somewhat disagree	24.67
Somewhat agree	43.98
Strongly agree	14.50

**cm001g.** I have respect for the authority figures with whom I interact.

Strongly disagree	4.60
Somewhat disagree	12.91
Somewhat agree	50.77
Strongly agree	31.72

**cm001h.** I would rather do a group project than do one alone.

Strongly disagree	17.24
Somewhat disagree	38.33
Somewhat agree	34.95
Strongly agree	9.48