



Battery Electric Vehicles and Low Carbon Fuel:

A Nationally Representative Multi-Mode Survey

January/February 2022 Results

Overview of Methodology

Consumer Reports fielded a nationally representative multi-mode survey of Americans to gauge their perspectives and concerns regarding the transportation industry's impact on the environment and Americans' willingness to make environmentally-friendly transportation choices. The survey measured Americans' knowledge and experiences with electric-only vehicles, their likelihood of getting one, and their perceptions about barriers preventing and incentives that would encourage them to get a battery-only electric vehicle. The survey also assessed Americans' awareness about low carbon fuel usage in vehicles and aviation and their willingness to use low carbon fuels in their personal vehicle as well as choose flights that use low carbon fuels, when they become available. The results are based on interviews conducted from January 27, 2022 – February 18, 2022.

The survey was administered by NORC at the University of Chicago through its AmeriSpeak® Panel to a nationally representative sample of adult U.S. Interviews were conducted in English and in Spanish, and were administered both online and by phone. In total NORC collected 8,027 interviews, 7,795 by web mode and 232 by phone mode, 7,820 in English and 207 in Spanish. Final data are weighted by age, gender, race/Hispanic ethnicity, housing tenure, telephone status, education, and Census Division to be proportionally representative of the US adult population.

The margin of error for results based on the total sample is +/-1.59 percentage points at the 95% confidence level. Smaller subgroups will have larger error margins, and only those subgroups for which there are at least 100 unweighted cases are included.

TOPLINE RESULTS

The questions presented below were shown to respondents in this order unless otherwise noted. Where appropriate, question verbiage, response answer choices, or direction of scales were randomized or rotated and those instances are noted below.

Prepared by CR Survey Research Department, April 2022

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Q1.

Do you currently have a valid driver's license or enhanced driver's license (an EDL allows entrance to Canada and Mexico by land or water?)	
	Total %
Yes	86
No	14
Base: All respondents	7,987

Q2.

How many vehicles, in total, does your household own or lease?	
	Total %
0	5
1	31
2	38
3	15
4	7
5 or more	4
Base: All respondents	8,022

Q3. [SHOW IF Q2 >0. RESPONSES WERE SHOWN IN THE FOLLOWING ORDER: 'CAR/SEDAN', 'LARGE SUV', 'SMALL SUV', 'PICKUP TRUCK', 'VAN OR MINIVAN', 'SPORTS CAR', 'OTHER', AND 'I DON'T CURRENTLY OWN OR LEASE A VEHICLE.' 'I DON'T CURRENTLY OWN OR LEASE A VEHICLE' WAS EXCLUSIVE.]

What kind of vehicle(s) do you currently own or lease?	
	Total %
Respondents selected ALL that apply.	
Car/sedan	61
Small SUV or "crossover" with two rows of seats	38
Pickup truck	29
Large SUV with three rows of seats	17
Van or minivan	8
Sports car	6
Other, please specify	6
I don't currently own or lease a vehicle	1
Base: Respondents whose household owns or leases at least one vehicle	7,667

Q4. [RANDOMIZE RESPONSE OPTIONS, HOLDING 'NONE OF THESE ARE IMPORTANT TO ME' AT THE END. 'NONE OF THESE ARE IMPORTANT TO ME' WAS EXCLUSIVE.]

While we understand there are <u>many</u> factors to consider when buying or leasing a vehicle, for this question we are interested in understanding what social/emotional factors impact your vehicle purchasing decisions. After reading the list below, please tell us which, if any, would be <u>most</u> important to you if you were to buy or lease a vehicle today.	
	Total %
Respondents selected UP TO THREE responses.	
The vehicle's power and performance	57
Style/look of the vehicle	54
Reducing my impact on the environment (that is, my carbon footprint)	26
Emotion (how the car makes you feel when you drive)	21
Image (what the car says about you)	10
Being one of the first to adopt new/advanced technology	6
Social norms (desire to have a vehicle similar to friends, family, neighbors, co-workers, etc.)	4
None of these are important to me	17
Base: All respondents	8,027

Q33A/B. [THIS QUESTION WAS RANDOMLY ROTATED BETWEEN THIS POSITION ON THE SURVEY AND POSITION 33.]

How important or not important to you personally is the issue of climate change?	
	Total %
Very important	35
Somewhat important	35
Not too important	15
Not at all important	10
I don't know enough about it to decide	5
Base: All respondents	7,997

INFO1. [INTRO TEXT SHOWN TO RESPONDENTS.]

This next section is about battery electric vehicles (BEVs). This refers to vehicles like the Tesla and the Nissan Leaf that are electric **ONLY** and do not take gasoline or any fuel other than electricity.

Q5. [WORDING IN SUBSEQUENT QUESTIONS DEPENDED IN PART ON RESPONSES HERE. THIS WILL BE INDICATED IN SQUARE BRACKETS IN THOSE QUESTIONS. 'YES' WAS CODED AS '1', 'NO, BUT I HAVE IN THE PAST' WAS CODED '2'.]

Do you currently own or lease an electric-only vehicle?	
	%
Yes	2
No, but I have in the past	3
No, I have never owned or leased one	95
Base: All respondents	8,008

Q6. [RESPONDENTS WHO INITIALLY SKIPPED THIS QUESTION WERE PROMPTED TO ANSWER IT.]

Which statement below BEST describes your thoughts on buying or leasing [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle if you were to buy or lease a vehicle today?	
	Total %
I would definitely buy or lease an electric-only vehicle.	14
I would seriously consider buying or leasing an electric-only vehicle.	22
I might consider getting an electric-only vehicle in the future, but not if I were to buy or lease a vehicle today.	35
I would not consider getting [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle.	28
Base: All respondents	8,014

INFO2. [INFO TEXT SHOWN TO RESPONDENTS.]

The experience of owning an electric-only vehicle is quite different than owning a gasoline-powered vehicle. Some differences include charging vs. fueling, the frequency of maintenance/repairs, costs involved with buying, owning, and maintaining the vehicle, etc. For this next question we would like to understand your level of familiarity with electric-only vehicles.

Q7. [SHOW Q7 AND INFO2 ON THE SAME SCREEN. ROTATE SCALE.]

How familiar would you say you are with the fundamentals of owning an <u>electric-only</u> vehicle?	
	Total %
Very familiar	9
Somewhat familiar	31
Not too familiar	31
Not at all familiar	29
Base: All respondents	8,013

INFO2A. [INFO TEXT SHOWN TO RESPONDENTS.]

As a reminder for this section of the survey, we are asking about electric-only vehicles that do not take gasoline or any fuel other than electricity.

Q8. [SHOW IF Q6 = 'I WOULD SERIOUSLY CONSIDER...'; 'I MIGHT CONSIDER...'; OR 'I WOULD NOT CONSIDER GETTING AN ELECTRIC-ONLY VEHICLE.' IF Q6 = 'I WOULD SERIOUSLY CONSIDER...', INCLUDE 'POTENTIALLY' IN THE QUESTION STEM '....WOULD 'POTENTIALLY' PREVENT YOU...'. RANDOMIZE RESPONSE OPTIONS, HOLDING 'OTHER'; 'NOTHING; I JUST DON'T FEEL LIKE I KNOW ENOUGH...'; 'NOTHING: I HAVE NO INTEREST...'. AT THE END IN THAT ORDER. 'NOTHING; I JUST DON'T FEEL LIKE I KNOW ENOUGH...'; AND 'NOTHING: I HAVE NO INTEREST...'. WERE EXCLUSIVE.]

Of the following attributes, which, if any, would prevent you from buying or leasing [If Q5=1,2 "another"; ELSE "an"] <u>electric-only</u> vehicle if you were to buy or lease a vehicle today?	
	Total %
Respondents selected ALL that apply.	
Charging logistics, such as where and when I'd be able to charge it	61
Number of miles the vehicle can go before it needs to be charged	55
Costs involved with buying, owning, and maintaining an electric-only vehicle	52
Not being able to fix the car myself or at my local mechanic	37
Concern about the performance of an electric-only vehicle in cold weather	30
I'd worry that it would not be as powerful as a gasoline-powered vehicle	18
They are not common where I live	15
Lack of models among electric-only vehicles currently on the market	15
I'm not sure where I'll be living in the next few years	10
I don't like the style/look of any of the models that are currently available	9
I'm afraid the technology would be hard to use	8
Other	4
Nothing; I just don't feel I know enough about electric-only vehicles to buy one	6
Nothing; I have no interest in getting [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle if I were to buy or lease a vehicle today.	12
Base: Respondents who said something other than they "definitely plan" to buy or lease an electric only vehicle if they were to buy or lease a vehicle today.	6,960

Q8A. [SHOW IF Q8 = 'COSTS INVOLVED WITH BUYING, OWNING, AND MAINTAINING AN ELECTRIC-ONLY VEHICLE.' IF Q6 = 'I WOULD SERIOUSLY CONSIDER...'; INCLUDE 'POTENTIALLY' IN THE QUESTION STEM '...WOULD 'POTENTIALLY' PREVENT YOU...'. RANDOMIZE RESPONSE OPTIONS, KEEPING 'CHARGING COSTS AT CHARGING STATIONS' AND 'INCREASE IN COST TO MY ELECTRIC BILL' TOGETHER, AND HOLDING 'OTHER COSTS' AT THE END.]

You told us that cost-related factors would prevent you from buying or leasing [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle if you were to buy or lease a vehicle today. Specifically, which two of the following cost considerations would be most likely to hold you back?

	Total %
Respondents selected UP TO TWO responses.	
Purchase price	58
Maintenance and repair costs	40
The cost to install a home charger	30
Battery replacement costs	29
Increase in cost to my electric bill	17
Charging costs at charging stations	15
Higher state registration fees for electric-only vehicles	3
Other costs	1
Base: Respondents who said cost-related factors would prevent them from buying or leasing an electric-only vehicle if they were to buy or lease a vehicle today.	3,872

Q8B. [SHOW IF Q8 = 'CHARGING LOGISTICS...' IF Q6 = 'I WOULD SERIOUSLY CONSIDER...'; INCLUDE 'POTENTIALLY' IN THE QUESTION STEM '...WOULD 'POTENTIALLY' PREVENT YOU...'. RANDOMIZE RESPONSE OPTIONS, HOLDING 'OTHER CHARGING CONSIDERATIONS' AT THE END.]

You told us that things related to charging are preventing you from buying or leasing [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle if you were to buy or lease a vehicle today. Specifically, which two of the following charging considerations would be most likely to hold you back?

	Total %
Respondents selected UP TO TWO responses.	
Not enough public charging stations	59
Nowhere to plug in my car to charge at home	44
Inconvenience of charging	42
Long charging times	37
Concern about my safety when I charge at public charging stations	8
Other charging considerations	2
Base: Respondents who said charging considerations would prevent them from buying or leasing an electric-only vehicle if they were to buy or lease a vehicle today.	4,459

Q9. [RANDOMIZE RESPONSE OPTIONS, HOLDING 'OTHER' AND 'NONE OF THESE WOULD ENCOURAGE ME...' AT THE END IN THAT ORDER. 'NONE OF THESE WOULD ENCOURAGE ME...' WAS EXCLUSIVE.]

Below are attributes that an electric-only vehicle might have. Which, if any, of these would most encourage you to buy or lease [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle?

	Total %
Respondents selected UP TO THREE responses.	
Costs less to charge than fueling a gasoline-powered vehicle	33
Lower overall costs over the lifetime of the vehicle compared to a gasoline-powered vehicle	31
Lower maintenance costs than gasoline-powered vehicles	28
Avoids using gasoline	27
No tailpipe emissions (exhaust fumes)	23
Similar purchase price to gasoline-powered vehicles in the same class	21
More reliable than gasoline-powered vehicles	16
Has all the latest technology	11
No engine noise	10
Better acceleration than gasoline-powered vehicles	8
Attractive styling or other aesthetic features	6
Other	1
None of these would encourage me to get [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle.	19
Base: All respondents	8,027

Q9A. [SHOW IF Q9 = 'AVOIDS USING GASOLINE.' RANDOMIZE RESPONSE OPTIONS, HOLDING 'OTHER' AT THE END.]

Which, if any, of the following are reasons that avoiding using gasoline would encourage you to buy or lease [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle?

	Total %
Respondents selected ALL that apply.	
I believe emissions from gasoline-powered vehicles pollute the environment	74
Gas is too expensive	70
I believe oil companies pollute land and contaminate water supplies	61
I don't like having to pump gas	23
Other	1
Base: Respondents who said that avoiding gasoline is a reason that would most encourage them to buy or lease an electric-only vehicle.	2,176

Q10. [RANDOMIZE RESPONSE OPTIONS, HOLDING 'OTHER' AND 'NONE OF THESE WOULD ENCOURAGE ME...' AT THE END IN THAT ORDER. 'NONE OF THESE WOULD ENCOURAGE ME...' WAS EXCLUSIVE.]

Which, two, if any, of the following charging options would be most likely to encourage you to buy or lease a electric-only vehicle?

	Total %
Respondents selected UP TO TWO responses.	
Free public charging stations	50
Ability to charge it where I live	47
Easy access to <u>fast-charging</u> public stations where I can fully recharge in 30 minutes or less	45
Access to workplace charging stations	10
Other	1
None of these would encourage me to get [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle.	18
Base: All respondents	8,027

Q11. [RANDOMIZE RESPONSE OPTIONS, KEEPING 'TAX REBATES/DISCOUNTS...' AND 'TAX CREDITS...' TOGETHER, AND HOLDING 'OTHER' AND 'I HAVE NOT HEARD OF ANY INCENTIVES...' AT THE END IN THAT ORDER. 'I HAVE NOT HEARD OF ANY INCENTIVES...' WAS EXCLUSIVE.]

The following incentives are currently available for <u>electric-only</u> vehicle owners. Which, if any, of the following have you heard about?	
	Total %
Respondents selected ALL that apply.	
Tax rebates/discounts <u>at the time</u> of purchase or lease	34
Tax credits applied <u>at a later time</u> (such as, when you file your income taxes)	28
Exemptions from vehicle emissions inspections	18
Discounts to install a home charger	18
Access to carpool lanes even when driving alone	15
Discounted charging rates	13
Other	0
I have not heard of any incentives available for electric-only vehicle owners	46
Base: All respondents	8,027

Q12. [RANDOMIZE RESPONSE OPTIONS, KEEPING 'TAX REBATES/DISCOUNTS...' AND 'TAX CREDITS...' TOGETHER, AND HOLDING 'OTHER' AND 'NONE OF THESE WOULD INFLUENCE MY DECISION...' AT THE END IN THAT ORDER. 'NONE OF THESE WOULD INFLUENCE MY DECISION...' WAS EXCLUSIVE.]

The following are incentives that are either already available for electric-only vehicle owners or are being considered by local or national government. Which, if any, do you believe would encourage you to buy or lease [If Q5=1,2 "another"; ELSE "an"] <u>electric-only</u> vehicle?	
	Total %
Respondents selected ALL that apply.	
Tax rebates/discounts <u>at the time</u> of purchase or lease	53
Discounts to install a home charger	49
Tax credits applied <u>at a later time</u> (such as, when you file your income taxes)	45
Discounted charging rates	41
Government incentives for used electric-only vehicles	41
Exemptions from vehicle emissions inspections	27
Access to carpool lanes even when driving alone	19
Other	1
None of these would influence my decision to get [If Q5=1,2 "another"; ELSE "an"] electric-only vehicle.	27
Base: All respondents	8,027

INFO3. [INFO TEXT SHOWN TO RESPONDENTS.]

As a reminder for this section of the survey, we are asking about electric-only vehicles that do not take gasoline or any fuel other than electricity.

Q13.

In the past month, have you seen an <u>electric-only</u> vehicle in your neighborhood?	
	Total %
Yes	44
No	41
Unsure	15
Base: All respondents	8,019

Q14.

Do you have a friend, relative, or co-worker who owns an <u>electric-only vehicle</u> ?	
	Total %
Yes	27
No	65
Unsure	8
Base: All respondents	7,968

Q15.

In the past 12 months, approximately how many times have you <u>been a passenger</u> in an <u>electric-only vehicle</u> ?	
	Total %
0 times	83
1 to 5 times	13
6 to 10 times	1
More than 10 times	2
Base: All respondents	8,017

Q16.

In the past 12 months, how many times have you <u>driven an electric-only vehicle</u> ?	
	Total %
0 times	93
1 to 5 times	4
6 to 10 times	1
More than 10 times	2
Base: All respondents	7,972

INFO4. [INTRO TEXT SHOWN TO RESPONDENTS.]

Alternative low carbon fuels are becoming more available in the US as an alternative to traditional petroleum-based fuels . The use of these fuels in vehicles can reduce the impact to the environment by at least 50% compared to traditional fuels.

For the purpose of this survey we are asking about "drop-in fuels." These are low carbon fuels that can be used with your current vehicle. While much is unknown at the moment, we'd like to understand your thoughts on using these low-carbon fuels in your personal gasoline-powered vehicle.

Q17. [SHOW Q17 AND INFO4 ON THE SAME SCREEN.]

Before taking this survey, had you heard about the use of low carbon fuels in vehicles?	
	Total %
Yes	25
No	60
Unsure	15
Base: All respondents	8,015

Q18. [RESPONDENTS ALSO SAW A 'NOT APPLICABLE' RESPONSE OPTION. THOSE WHO CHOSE IT WERE REMOVED FROM THE BASE DURING ANALYSIS AND ARE NOT SHOWN HERE.]

If the cost for a gallon of low carbon fuel (that is, fuels with lower carbon emissions compared to traditional fuel) was the same as the cost for a gallon of traditional fuel, how likely would you be to use low carbon fuel in your personal vehicle?	
	Total %
Very likely	34
Somewhat likely	33
Not too likely	8
Not at all likely	5
Unsure	20
Base: All respondents with the exception of those who said 'not applicable' which were removed from the base	7,850

Q20. [SHOW IF Q18 = 'NOT TOO OR NOT AT ALL LIKELY.' RANDOMIZE RESPONSES, HOLDING 'OTHER' AT THE END.]

You said you would be unlikely to use low carbon fuel instead of traditional gasoline (that is, petroleum-based fuel) in your personal vehicle. Which, if any, are the reasons why?	
	Total %
Respondents selected ALL that apply.	
Concern that low carbon fuels could negatively affect the performance of my vehicle	42
Concern that low carbon fuel could damage my vehicle	40
Concern that low carbon fuels would get fewer miles per gallon than traditional gasoline	32
I am happy with vehicles that use traditional fuel and wouldn't want to change	32
I'm not convinced that low carbon fuels would be better for the environment	29
Concern about the availability of the low carbon fuel	28
Wouldn't trust the reliability of a vehicle that runs on low carbon fuels	27
Concern that low carbon fuel would cost more	26
Concern about the safety of a vehicle that runs on low carbon fuels	22
I already reduce my carbon footprint in other ways	10
Other	2
Base: Respondents who said they would be unlikely to use low carbon fuel in their personal vehicle even if it was the same cost as traditional fuel.	1,104

INFO5. [INTRO TEXT SHOWN TO RESPONDENTS.]

Airlines are considering using more efficient fuel called sustainable aviation fuel (SAF). SAF is a renewable, low-carbon intensity substitute for conventional jet fuel. SAF is widely considered the best approach to rapidly reducing greenhouse gas emissions from commercial and business aviation. While this fuel is very new, we'd like to understand your thoughts on flying on airplanes that use these fuels.

Q21. [SHOW Q21 AND INFO5 ON THE SAME SCREEN.]

Before taking this survey, had you heard about the use of sustainable aviation fuel (SAF) in airplanes?	
	Total %
Yes	11
No	79
Unsure	10
Base: All respondents	8,005

Q22.

During a typical year, approximately how many times do you take a round trip flight for personal or business reasons?	
	Total %
0 - I never fly	44
1 to 2	39
3 to 4	10
5 to 6	4
7 to 8	1
9 to 10	0
More than 10	2
Base: All respondents	8,006

INFO6. [INFO TEXT SHOWN TO RESPONDENTS.]

For this next question, please answer based on what you know today. We understand that you may change your mind if more information were to come out.

Q23.

If you had a choice, how likely would you be to choose a flight on a plane that uses low carbon fuel if the <u>cost of a ticket was the same</u> as flying on a plane that uses traditional jet fuel?	
	Total %
Very likely	33
Somewhat likely	29
Not too likely	9
Not at all likely	8
Unsure	21
Base: All respondents	8,010

Q24. [SHOW IF Q23 = 'NOT TOO OR NOT AT ALL LIKELY.' RANDOMIZE RESPONSES, HOLDING 'OTHER' AT THE END.]

You said you would be unlikely to fly on a plane that uses low carbon fuel. Which, if any, are the reasons why?	
	Total %
Respondents selected ALL that apply.	
I am happy with my experience flying on planes that run on traditional jet fuel and wouldn't want to change	41
I wouldn't trust planes that fly on this new low carbon fuel will be as safe	40
I wouldn't trust the reliability of the service of planes that fly on low carbon fuel given the new technology	38
I don't believe in climate change	12
I already reduce my carbon footprint in other ways	9
Other	15
Base: Respondents who fly and said they would be unlikely to choose a flight on a plane that uses low carbon fuel even if it the cost of the ticket was the same as flying on a plane that uses traditional jet fuel.	649

INFO7. [INTRO TEXT SHOWN TO RESPONDENTS.]

Commercial truck manufacturers are increasing their electric-only truck fleets. Retailers and shipping companies have started using these electric-only vehicles.

Q25.

While many online retailers provide free shipping to their customers, would you be willing to forego free shipping, or pay more when shopping at retailers where free shipping is not an option, if a company uses an <u>electric-only</u> delivery truck?	
	Total %
Yes	17
No	45
Not applicable - I rarely use online retailers	10
Unsure	28
Base: All respondents	8,004

Q26.

In general, how much longer would you be willing to wait to receive a package to ensure it's shipped by an <u>electric-only</u> delivery truck?	
	Total %
I am not willing to wait longer	35
1 day	15
2 days	18
3 days	10
4 days	3
5 days	4
6 days	1
7 days or more	5
Not applicable	9
Base: All respondents	7,995

Q27. [SHOW IF Q25 = 'YES.']

For this next question, suppose you ordered a book online and the shipping costs would typically have been FREE, how much would you be willing to <u>pay to ship</u> your book order via an <u>electric-only</u> delivery truck?	
	Total %
Less than \$1	20
\$1 to \$1.99	27
\$2 to \$2.99	19
\$3 to \$3.99	11
\$4 to \$4.99	10
\$5 to \$5.99	6
\$6 to \$6.99	1
\$7 to \$7.99	1
\$8 to \$8.99	0
\$9 to \$9.99	2
\$10 or more	3
Base: Respondents who said they are willing to pay more for shipping if a company uses an electric-only delivery truck.	1,339

Q28.

Thinking about the last six months, about how often have you used public transportation (specifically, a public bus, train, or subway) for getting around?	
	Total %
Every day	1
2 to 6 times a week	3
Once a week	2
2 to 3 times a month	2
Once a month	3
Every other month	1
Every few months	7
Never	80
Base: All respondents	7,986

Q29. [SHOW IF Q28 = AT LEAST 'EVERY FEW MONTHS.' RANDOMIZE RESPONSES, HOLDING 'OTHER' AT THE END.]

Which, if any, of the following are reasons you use public transportation?	
	Total %
Respondents selected ALL that apply.	
I don't have to worry about traffic	39
It's more convenient for me	35
It's cheaper than driving myself	32
I get more exercise walking to and from the station, stop, or transit center	23
It's better for the environment	22
I don't have a car	19
It frees up my time to do other things	16
It's safer than driving	14
I don't have a driver's license	10
Other	12
Base: Respondents who have used a public bus, train, or subway in the past six months.	1,562

Q30. [SHOW IF Q28 > 'ONCE A WEEK.' RANDOMIZE RESPONSES, KEEPING TOGETHER 'SAFETY CONCERNS OTHER THAN HEALTH REASONS' AND 'I'M CONCERNED ABOUT EXPOSURE TO COVID AND OTHER ILLNESSES' AND HOLDING 'OTHER' AND 'NOTHING PREVENTS ME FROM USING IT MORE...' AT THE END IN THAT ORDER. 'NOTHING PREVENTS ME FROM USING IT MORE...' WAS EXCLUSIVE.]

Which, if any, of the following prevents you from using public transportation more than you currently do?	
	Total %
Respondents selected ALL that apply.	
It's not available in my area	33
My home and/or destination is too far from the station, stop, or transit center	26
I'm concerned about exposure to COVID and other illnesses	24
It takes too long	24
Transit doesn't run frequently enough	16
Safety concerns other than health reasons	14
Inadequate connecting services/transfers	14
It's too crowded	13
My work/school schedule doesn't work well with the public transit schedule	13
It's not well maintained/clean	10
It's unreliable	9
High costs	6
No parking at station, stop, or transit center	5
Other	10
Nothing prevents me from using it more; I already use it as much as I need or want	14
Base: Respondents who have used a public bus, train, or subway less than weekly in the past six months.	7,531

Q31. [RANDOMIZE RESPONSES, HOLDING 'OTHER' AND 'NOT APPLICABLE...' AT THE END IN THAT ORDER. 'NOT APPLICABLE...' WAS EXCLUSIVE.]

Which, if any, of the following would encourage you to use public transportation more than you currently do?	
	Total %
Respondents selected ALL that apply.	
Transit routes that made it easier to get to my destination	33
Increased frequency of services (such as more routes and increased frequency)	27
Easy access to public transit information (such as fees, maps, schedules)	19
Universal access programs (such as one app/card for all public transportation in my area)	15
Enhanced bike paths and walkways so that I could safely bike or walk directly to the station, stop, or transit center	13
Adding premium services (such as faster and a more comfortable ride option) for additional charge	10
Easy access to information that shows the environmental impact of using public transportation (bus, rail, or subway) compared to using my vehicle	8
Other	11
Not applicable; I already use it as much as I need/want	32
Base: All respondents	8,027

Q32. [RESPONDENTS ALSO SAW A 'NOT APPLICABLE' RESPONSE OPTION. THOSE WHO CHOSE IT WERE REMOVED FROM THE BASE DURING ANALYSIS AND ARE NOT SHOWN HERE.]

Overall, how important or not important is impact on the environment when making the following transportation decisions?	
	Total %
Buying or leasing a vehicle	
Very important	18
Somewhat important	43
Not too important	25
Not at all important	14
Base: All respondents with the exception of those who said "not applicable" which were removed from the base	7,403
Deciding about how to get to and from a destination (such as walking, cycling, driving a car, rail, air travel, public bus, subway, etc.)	
Very important	23
Somewhat important	35
Not too important	26
Not at all important	16
Base: All respondents with the exception of those who said "not applicable" which were removed from the base	7,314

NOTE: [Q33 RANDOMLY SHOWN HERE OR EARLIER IN THE SURVEY. SEE PAGE 3 FOR RESULTS..]

Q34. [ROTATE SCALE.]

In your day-to-day life (shopping, transportation, household behaviors, food choices, etc.), how much control do you believe you have over your personal impact on the environment?	
	Total %
A lot of control	14
Some	48
Very little	31
No control	7
Base: All respondents	7,982

[Q35, Q36, Q37 SHOWN IN RANDOM ORDER.]

Q35.

How concerned or not concerned are you about vehicle tailpipe emissions contributing to <u>climate change</u> ?	
	Total %
Very concerned	23
Somewhat concerned	37
Not too concerned	20
Not at all concerned	10
I don't know enough about it to decide	9
Base: All respondents	7,961

Q36.

How concerned or not concerned are you about vehicle tailpipe emissions contributing to <u>health conditions related to air quality</u> ?	
	Total %
Very concerned	24
Somewhat concerned	41
Not too concerned	19
Not at all concerned	8
I don't know enough about it to decide	8
Base: All respondents	7,950

Q37.

How concerned or not concerned are you about vehicle tailpipe emissions contributing to <u>smog, haze, and other types of air pollution</u> ?	
	Total %
Very concerned	25
Somewhat concerned	41
Not too concerned	18
Not at all concerned	8
I don't know enough about it to decide	8
Base: All respondents	7,949

Q38A.

How concerned or not concerned are you about airplanes that use conventional jet fuel contributing to climate change?	
	Total %
Very concerned	22
Somewhat concerned	36
Not too concerned	20
Not at all concerned	10
I don't know enough about it to decide	12
Base: All respondents	7,949

Q38.

How much do you agree or disagree with the following statement: "Human activities contribute to climate change"	
	Total %
Strongly agree	45
Somewhat agree	30
Somewhat disagree	10
Strongly disagree	7
I don't know enough about it to decide	9
Base: All respondents	7,982

Q40.

Which statement best describes your current employment status?	
	Total %
Working full-time	47
Working part-time	14
Not working	39
Base: All respondents	7,981

Q41. [SHOW IF Q40 = 'WORKING FULL-TIME' OR 'WORKING PART-TIME.']

How many days a week do you currently commute to work?	
	Total %
0	20
1	3
2	5
3	9
4	10
5	44
6	6
7	4
Base: Respondents who are working at least part-time	4,938

Q42. [SHOW IF Q41 = CURRENTLY COMMUTE TO WORK AT LEAST ONE DAY A WEEK.]

Approximately how long is your round trip commute to work?	
	Total %
Less than 5 miles	21
5 to 10 miles	22
11 to 15 miles	15
16 to 20 miles	11
21 to 30 miles	12
31 to 40 miles	7
41 to 50 miles	5
More than 50 miles	7
Base: Respondents who commute to work at least one day a week	3,944

Q43. [SHOW IF Q2 = HOUSEHOLD OWNS AT LEAST ONE VEHICLE. RESPONDENTS WERE INSTRUCTED TO 'PLEASE INCLUDE ALL OF THE DRIVING YOU DO DURING THE WEEK AND ON WEEKENDS (SUCH AS COMMUTING, ERRANDS, APPOINTMENTS, RECREATIONAL OUTINGS, ETC.)']

In a typical week (7 days), what is the total amount of time you spend driving?	
	Total %
Less than an hour	16
1 hour but less than 2 hours	18
2 hours but less than 3 hours	17
3 hours but less than 4 hours	12
4 hours but less than 5 hours	9
5 hours but less than 6 hours	6
6 hours but less than 7 hours	5
7 hours but less than 8 hours	4
8 hours but less than 9 hours	3
9 hours but less than 10 hours	2
10 hours or more	8
Base: Respondents whose household owns or leases at least one vehicle	7,635

Q44.

Which best describes the building where you live?	
	Total %
A one-family house detached from any other house	67
A one-family house attached to one or more houses	8
A building with 2 or more units	20
A mobile home or trailer	5
Boat, RV, van, etc.	0
Base: All respondents	7,975

Q45.

Do you own or rent your home?	
	Total %
Own	67
Rent	29
Other	5
Base: All respondents	8,000

Q46. [SHOW IF Q3 IS ANYTHING OTHER THAN 'I DON'T CURRENTLY OWN OR LEASE A VEHICLE.']

How would you BEST describe your current parking situation at home? Would you say you park in...	
	Total %
Private, off-street parking such as a garage or dedicated spot <u>with access</u> to an electric outlet	48
Private, off-street parking such as a garage or dedicated spot <u>without access</u> to an electric outlet	34
Private, off-street parking such as a garage or dedicated spot but you <u>do not know</u> if there is access to an electric outlet	7
Public or on-street parking	9
Other	3
Base: Respondents who own or lease a vehicle	7,556

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