

# Determining the Viability of Electric Vehicles on Nantucket: Survey Results

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Project Website: <http://wp.wpi.edu/nantucket/projects/projects-2016/energy-office/>

## Appendix 6: Survey Responses

These are all the responses we received in our survey. This document was exported from SurveyGizmo.

### Report for Electric Vehicles on Nantucket Electric Vehicles on Nantucket

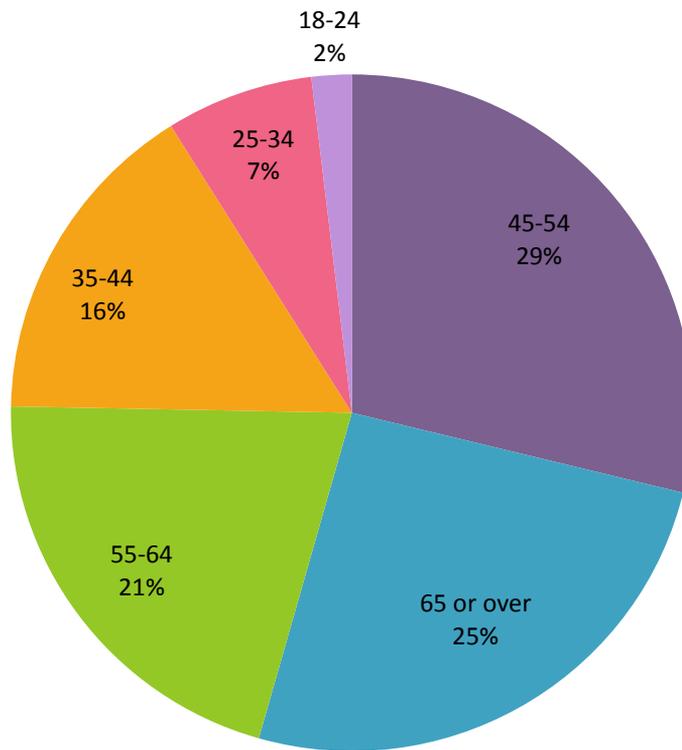
#### Response Counts

	Count	Percent
Complete	195	89.9
Partial	22	10.1
Disqualified	0	0
Total	217	

#### Informed Consent:

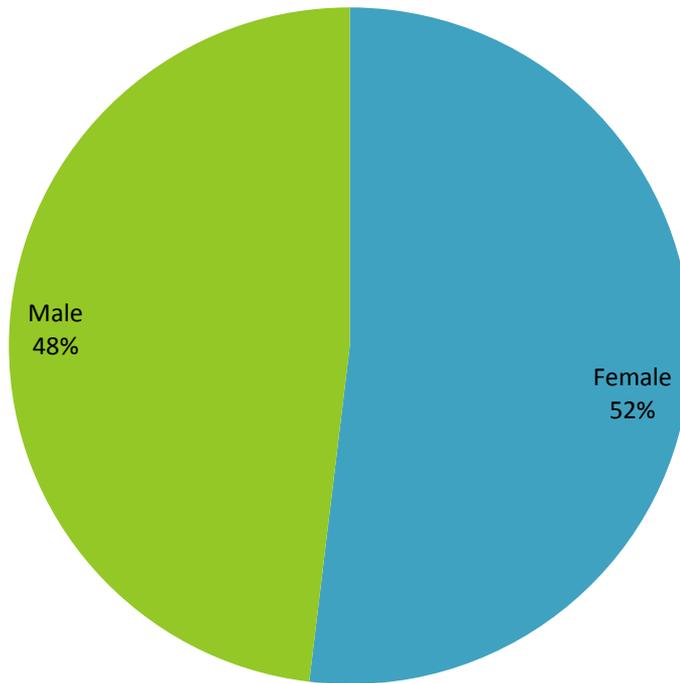
Value	Percent	Count
I understand that participation in this	100.0%	217
Total		217

Age Group:



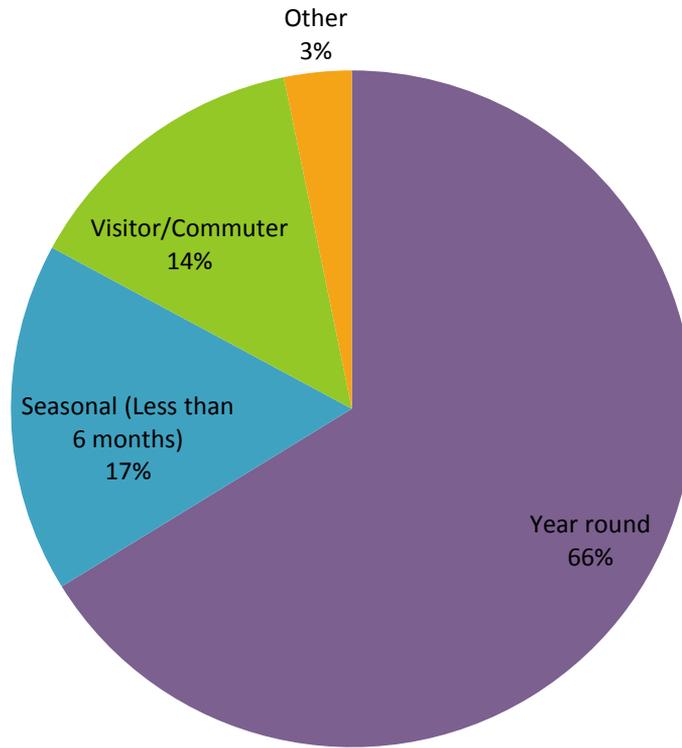
Value	Percent	Count
45-54	28.8%	62
65 or over	25.6%	55
55-64	20.9%	45
35-44	15.8%	34
25-34	7.0%	15
18-24	1.9%	4
Total		215

**Gender:**



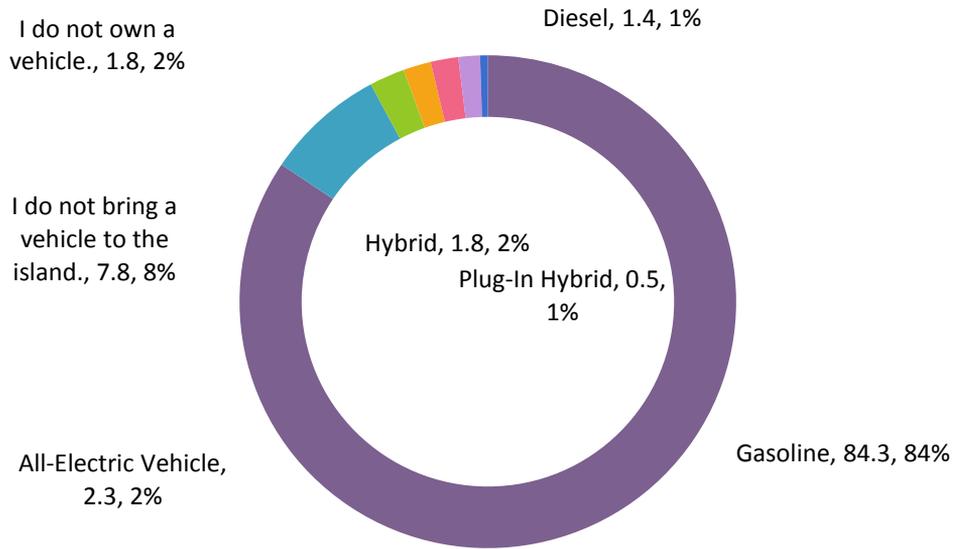
Value	Percent	Count
Female	51.9%	110
Male	48.1%	102
	Total	212

**Residential Status:**



Value	Percent	Count
Year round	66.2%	143
Seasonal (Less than 6 months)	16.7%	36
Visitor/Commuter	13.9%	30
Other	3.2%	7
	Total	216

**What type of vehicle do you primarily use on the island?**



Value	Percent	Count
Gasoline	84.3%	183
I do not bring a vehicle to the island.	7.8%	17
All-Electric Vehicle	2.3%	5
Hybrid	1.8%	4
I do not own a vehicle.	1.8%	4
Diesel	1.4%	3
Plug-In Hybrid	0.5%	1
<b>Total</b>		<b>217</b>

**What is the make/model of this vehicle?**

Count	Response
6	Ford Escape
4	Ford Explorer
4	Honda CRV
3	Jeep Grand Cherokee
3	Jeep Wrangler
2	Chevy Trail Blazer
2	Ford escape
2	Jeep Liberty
2	Land Rover
2	Nissan Juke
2	Subaru Forester
2	Toyota Tundra
2	honda pilot
2	toyota tacoma
1	'97 Jeep Grand Cherokee
1	1988
1	1996
1	1996 Ford F150
1	1997 and 2004
1	1998 Jeep Cherokee
1	2002 Honda CRV
1	2002 Honda Odyssey
1	2004/Mini

1	2005 Ford F-150
1	2005 Toyota Corolla
1	2007
1	2007 f150 ford
1	2007 kia
1	2009 SMART CAR
1	2011 Honda Pilot
1	2011 VW and 2008 Jeep
1	2013
1	2013 Chevy Town & Country
1	2013 Kia Sorento
1	2015 Jeep Grand Cherokee
1	2015 jeep cherokee
1	2016 chevy colorado
1	2016 f 150
1	97 Jeep Grand Cherokee
1	Acura MDX
1	Audi SUV
1	BMW 325i
1	BMW X 3
1	BMWx3
1	Bmw 328i
1	Chevorlet Tahoe
1	Chevrolet Tahoe
1	Chevrolet Trail Blazer

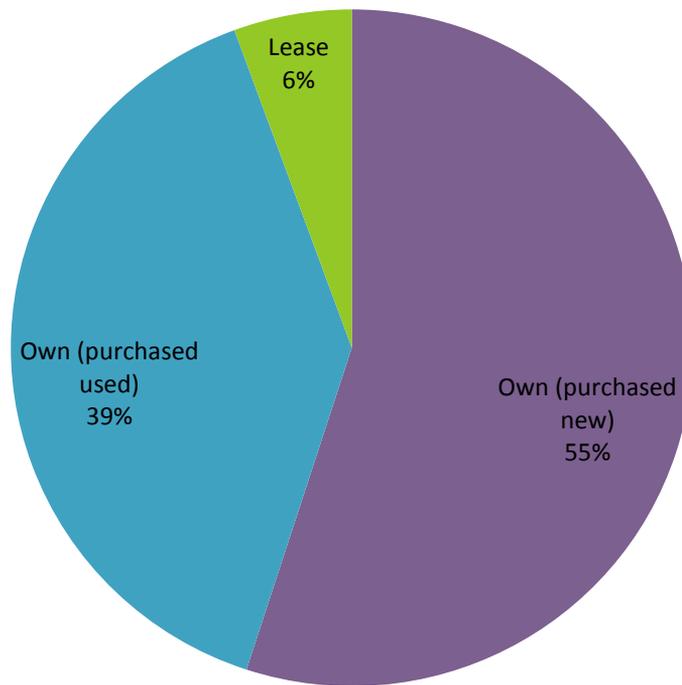
1	Chevy Blazer
1	Chrysler Town & Country
1	Chrysler Town and Country
1	Dodge/Dakota
1	F150
1	Fiat
1	Ford
1	Ford Escape 2016
1	Ford Explorer and Focus
1	Ford F150
1	Ford Torino
1	Ford Transit Connect
1	Ford and Suzuki
1	Ford explorer
1	GMC - Yukon
1	GMC Arcadia
1	GMC SUV
1	GMC Yukon denali
1	Gran Cherokee jeep
1	Honda Accord
1	Honda CRV 1998
1	Honda CRV 2004
1	Honda Odyssey
1	Honda Oydessy
1	Hundia Azera

1	Jeep / Liberty
1	Jeep / Liberty diesel
1	Jeep 2016
1	Jeep Cherokee 2015
1	Jeep Patriot
1	Jeep Sarah Unlimited
1	Jeep Wagoneer & an Older Subaru Brat small pickup.
1	Jeep Wrangler Unlimited
1	Jeep cheerikee
1	Jeep wrangler
1	Jeep wrangler Unlimited
1	Jetta
1	KIA Sorento
1	Keep Wrangler
1	Land Rover LR2
1	Lexus GX 460
1	Lexus RX350
1	MAZDA CX5
1	MB350ML
1	MINI Cooper S
1	Mercedes C300
1	Mercury Montego
1	Na
1	Nissan altima
1	Nissan/Frontier

1	Saturn Vue
1	Scion xd
1	Subaru Cross Trek
1	Subaru Crosstrek
1	Subaru Outback
1	Subaru forester 2002
1	Subary Outback
1	Suzuki vitara
1	TOYOTA TACOMA
1	Toyota 4Runner
1	Toyota Celica
1	Toyota FJ Curiser
1	Toyota Highlander
1	Toyota Land Cruiser
1	Toyota RAV4
1	Toyota Rav 4
1	Toyota Trundra
1	Toyota tundra
1	Toyota/1978
1	Toyota/FJ Cruiser
1	VOLVO XC60
1	VW Tiguan
1	Volvo
1	Volvo XC60
1	Volvo XC90

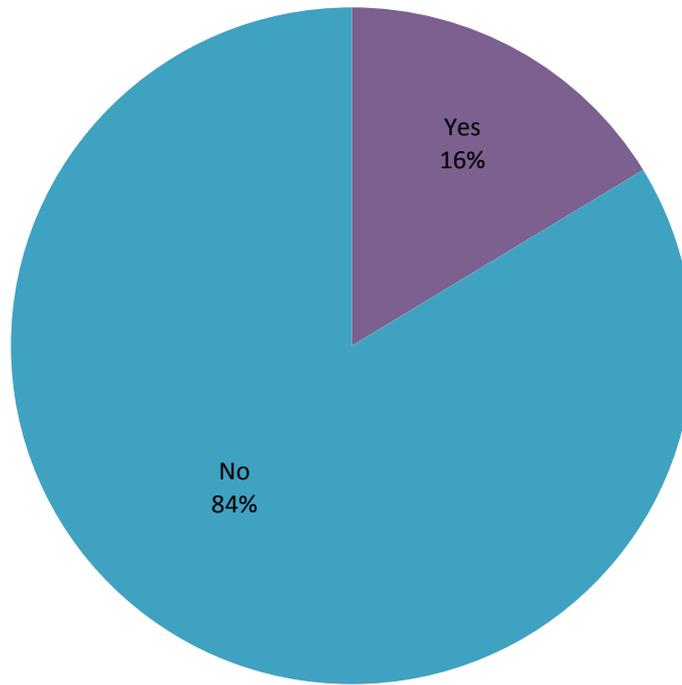
1	bmw 2008
1	bmw x3
1	buick enclave
1	cadillac escalade
1	dodge ram 1500
1	ford escape
1	ford explorer
1	ford f150
1	ford/escape
1	honda
1	jeep 2011
1	jeep cherokee
1	kia/sorento
1	nissan pathfinder
1	school bus...shuttle
1	smart cabrio
1	tacoma
1	toyota Sequoya
1	toyota avalon
1	toyota corolla
1	toyota rav 4
1	toyota venza
1	volvo x/c wagon

Is this vehicle owned or leased?



Value	Percent	Count
Own (purchased new)	55.0%	99
Own (purchased used)	39.4%	71
Lease	5.6%	10
	Total	180

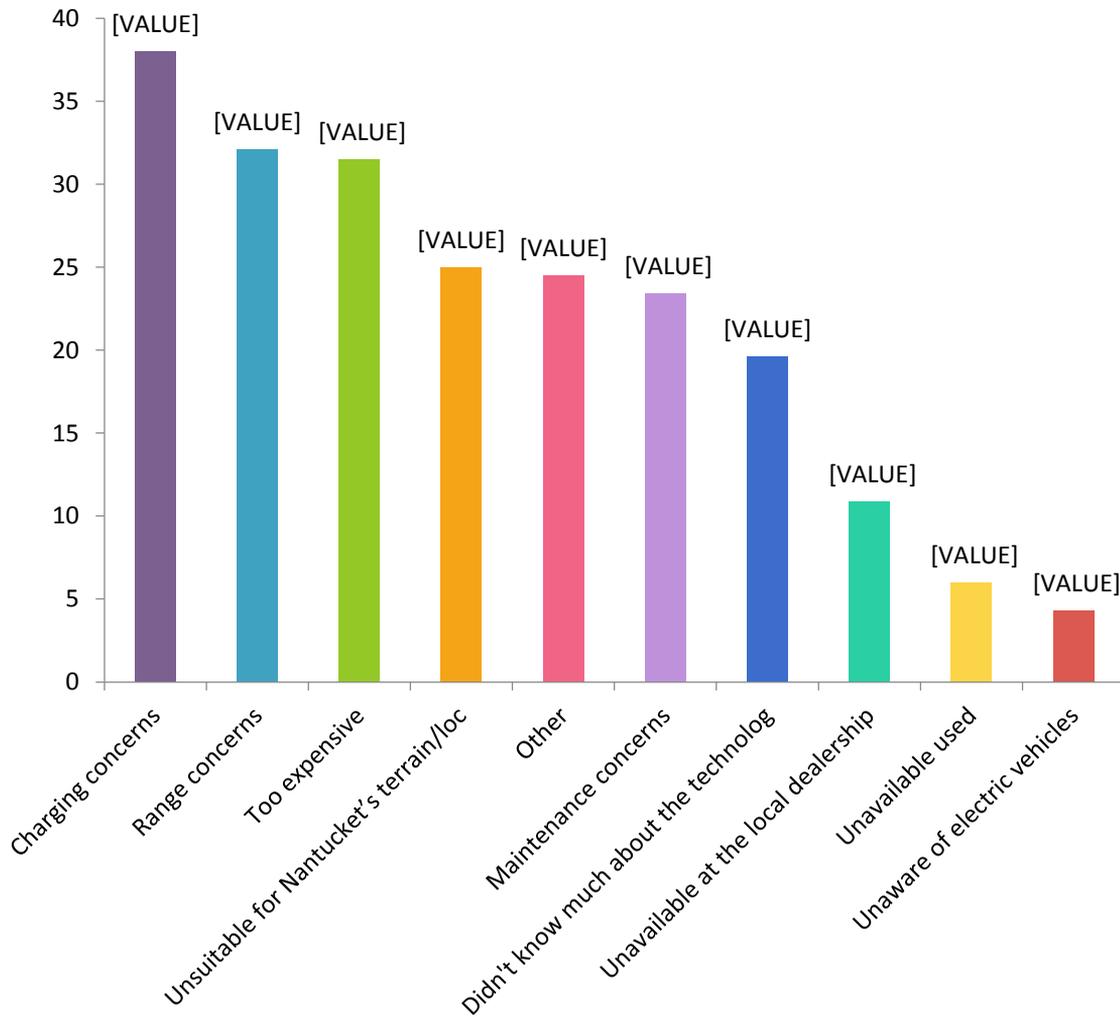
Did you consider an EV last time you purchased a vehicle?



Value	Percent	Count
Yes	16.3%	30
No	83.7%	154
	Total	184



What has prevented you from purchasing an EV in the past? (select all that apply)



Value	Percent	Count
Charging concerns	38.0%	70
Range concerns	32.1%	59
Too expensive	31.5%	58
Unsuitable for Nantucket's terrain/loc	25.0%	46
Other	24.5%	45
Maintenance concerns	23.4%	43
Didn't know much about the technolog	19.6%	36

Unavailable at the local dealership	10.9%	20
Unavailable used	6.0%	11
Unaware of electric vehicles	4.3%	8

#### Statistics

Total Responses	184.0
Skipped	7.0

Other	Count
Actually have a Tesla on the mainland but it's not a beach car.	1
Doesn't meet my needs	1
Don't need another vehicle at this time.	1
EV wasn't available when I purchased my car 13 years ago	1
I need an electric pickup truck or van	1
I think manufacturing the batteries is more harmful to environment than CO2.	1
I've owned my car 11 years so it wasn't an option then; at least not that I know of.	1
JUST DONT WANT ONE	1
Just haven't needed new car	1
NOT interested	1
Nantucket already has an electric supply problem without EV	1

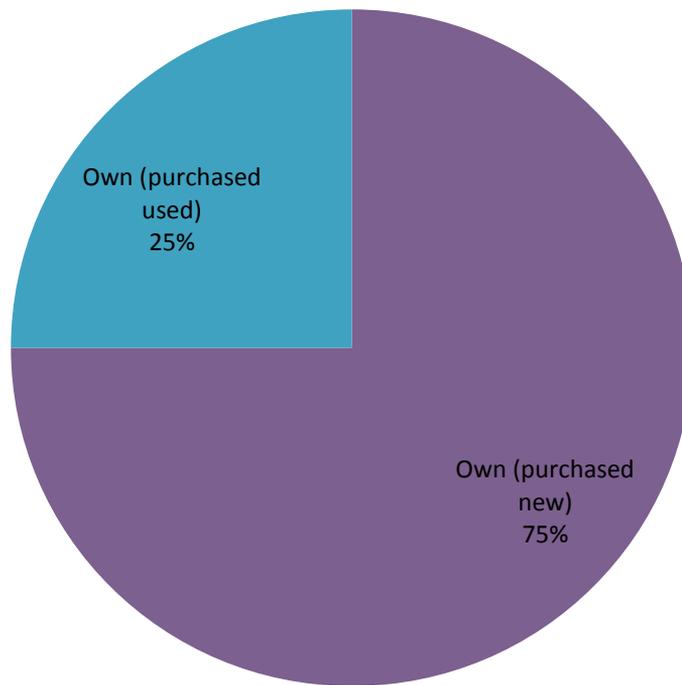
Need to be large enough for a family of four	1
Never Considered	1
Not available in keep wrangler	1
Not enough selection available - just Chevy Bolt or very expensive Tesla	1
Not for my line of work only have a work vehicle at this time	1
Not really much in use when I purchased my current car.	1
Off Road Driving	1
Previously owned a Ford Explorer hybrid ----- utterly unreliably, broke down frequently, had to wait four months for a new transfer case. Piece of junk. Hence the Subaru	1
Rare earths in batteries make us dependent on China and foreign countries	1
Resale Value	1
Technology was still limited at time of purchase. Waiting for Tessa Model 3	1
Technology was too new at the time	1
Ten years ago when we bought current car we felt technology was still unproven	1
Unavailable when I last purchased a used vehicle	1
We town this vehicle behind our RV Motorhome when traveling.	1
Work concerns	1
and all electric cars are ugly	1
beach driving	1

disposal concerns	1
haven't purchase a new car since 1980, all used	1
haven't bought a car in over 10 years	1
needed this specific vehicle for work	1
no EV trucks	1
not available at time of purchase as new technology	1
price	1
re-sale value	1
storage/truck space	1
too small	1
utility	1
work truck is needed	1
Total	41

**What is the make/model of this vehicle?**

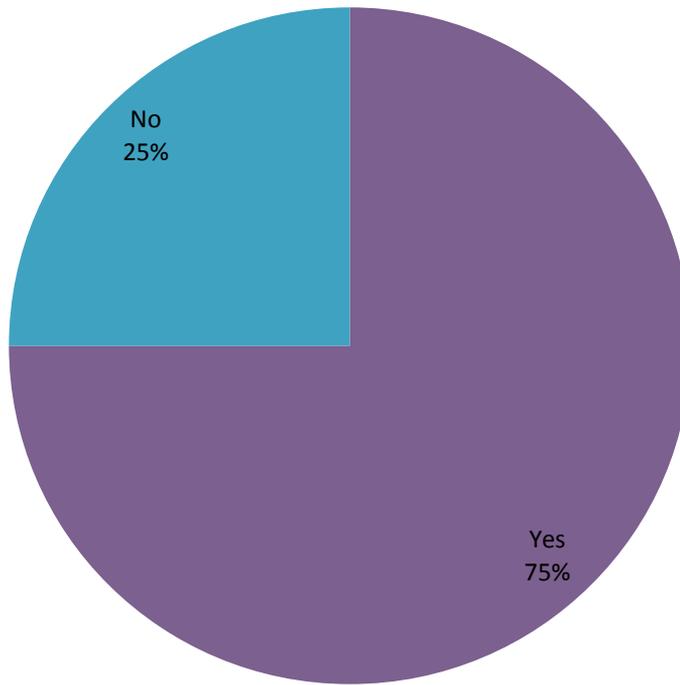
Count	Response
1	Ford escape
1	Prius
1	Prius-2104

Is this vehicle owned or leased?



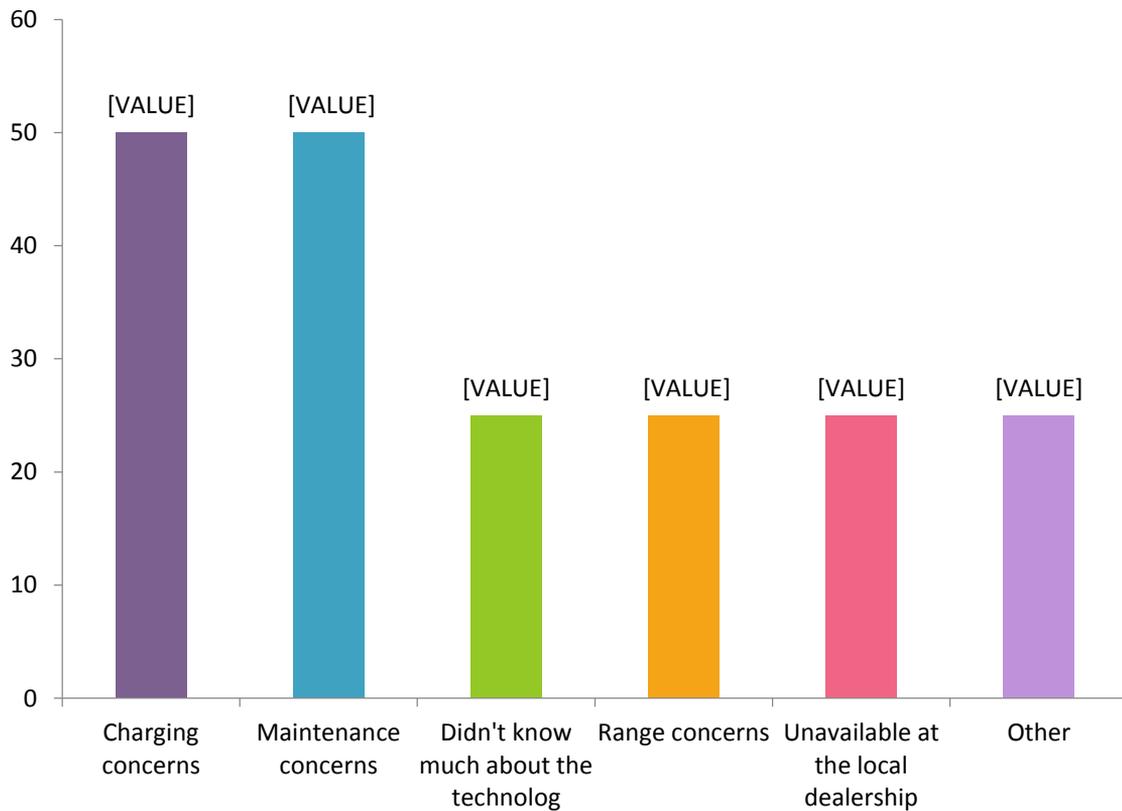
Value	Percent	Count
Own (purchased new)	75.0%	3
Own (purchased used)	25.0%	1
	Total	4

Did you consider an all-electric vehicle the last time you purchased a vehicle?



Value	Percent	Count
Yes	75.0%	3
No	25.0%	1
Total		4

What has prevented you from purchasing an all-electric vehicle or plug-in hybrid in the past? (select all that apply)



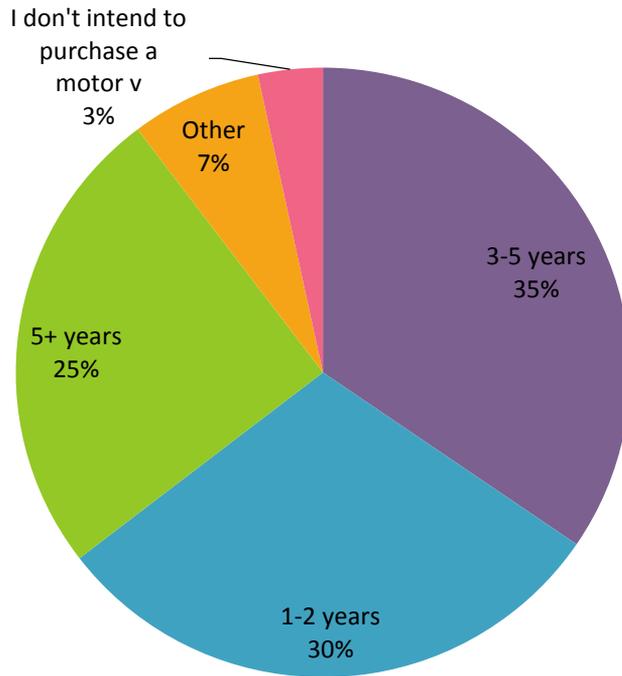
Value	Percent	Count
Charging concerns	50.0%	2
Maintenance concerns	50.0%	2
Didn't know much about the technolog	25.0%	1
Range concerns	25.0%	1
Unavailable at the local dealership	25.0%	1
Other	25.0%	1

Other	Count
Availability in Massachusetts-I looked...	1

Total

1

**When do you expect to need to purchase your next vehicle?**

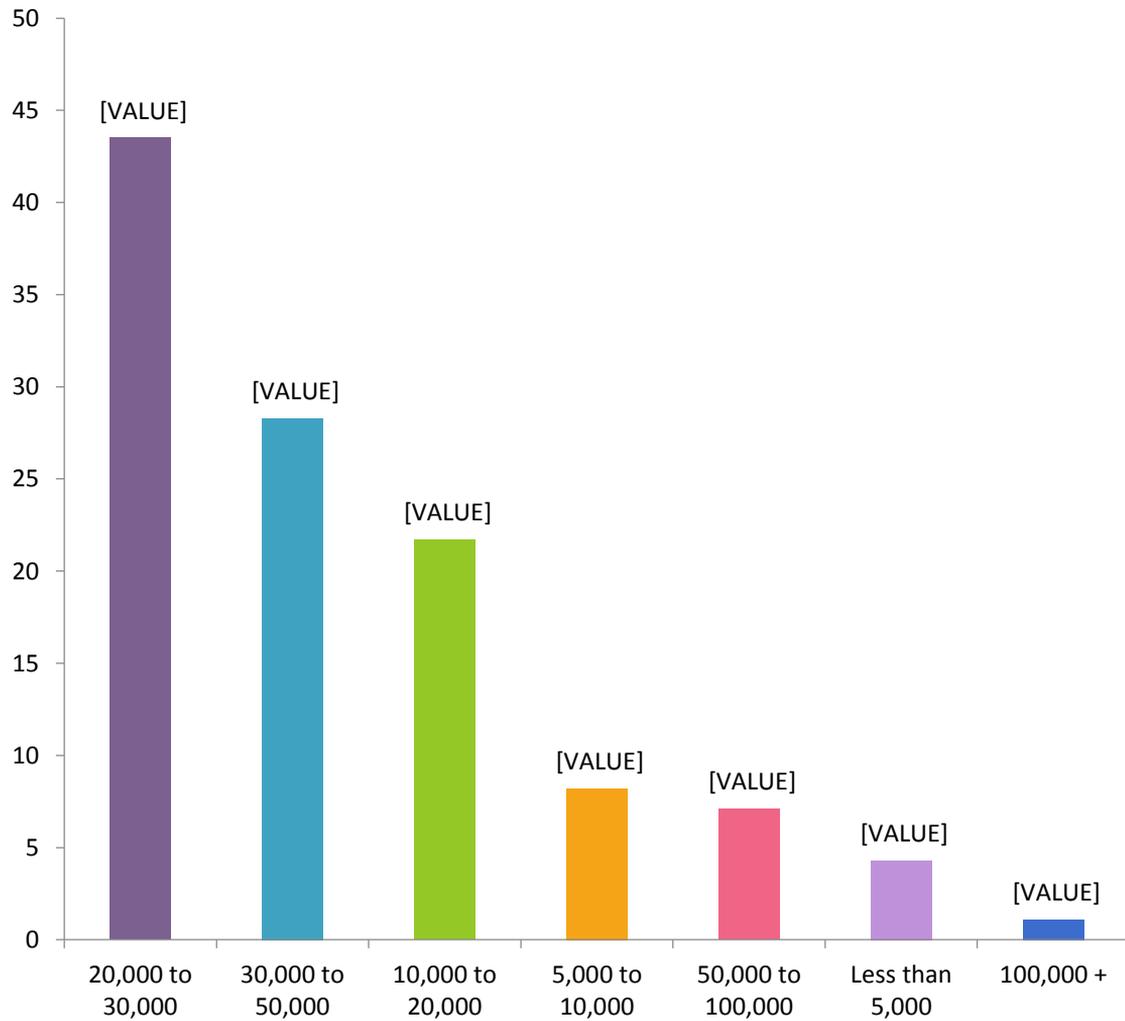


Value	Percent	Count
3-5 years	34.5%	70
1-2 years	30.0%	61
5+ years	25.1%	51
Other	6.9%	14
I don't intend to purchase a motor v	3.4%	7
	Total	203

Other	Count
10	2
I'm not sure. Perhaps a couple years. It all depends on how long Vue hangs on.	1
Just bought a new one	1
Just bought a second car	1
When I need one to buy	1

When needed	1
Whenever I feel my current one needs replacing.	1
in the next year	1
next 6 months	1
not planning to	1
not sure	1
undecided	1
Total	13

What is your estimated price range for your next vehicle purchase or lease? (select all that apply)

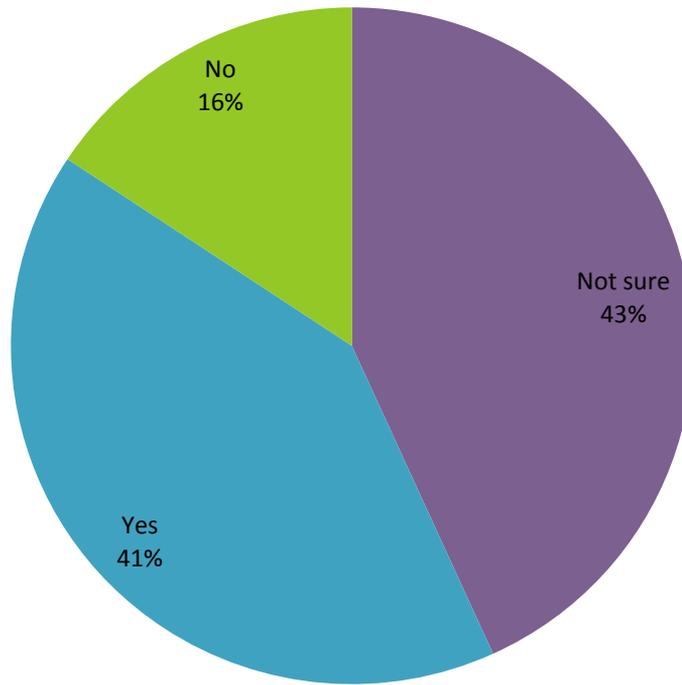


Value	Percent	Count
20,000 to 30,000	43.5%	80
30,000 to 50,000	28.3%	52
10,000 to 20,000	21.7%	40
5,000 to 10,000	8.2%	15
50,000 to 100,000	7.1%	13
Less than 5,000	4.3%	8
100,000 +	1.1%	2

Statistics

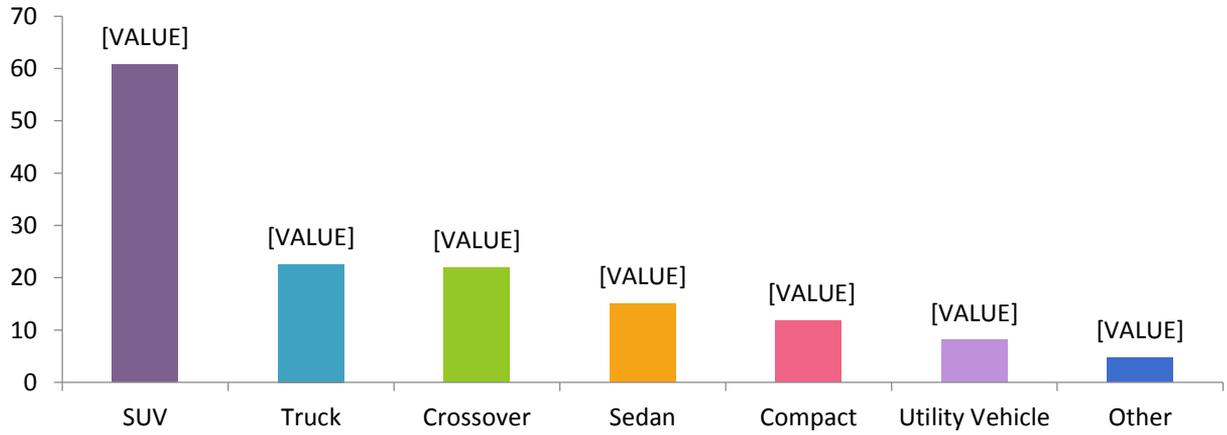
Total Responses	184.0
Skipped	4.0

Do you feel that an EV can fit within the price range you specified?



Value	Percent	Count
Not sure	43.2%	80
Yes	41.1%	76
No	15.7%	29
	Total	185

Which vehicle types are you most interested in? (select all that apply)



Value	Percent	Count
SUV	60.8%	113
Truck	22.6%	42
Crossover	22.0%	41
Sedan	15.1%	28
Compact	11.8%	22
Utility Vehicle	8.1%	15
Other	4.8%	9

Statistics

Total Responses 186.0

Skipped 2.0

Other Count

5 door / wagon 1

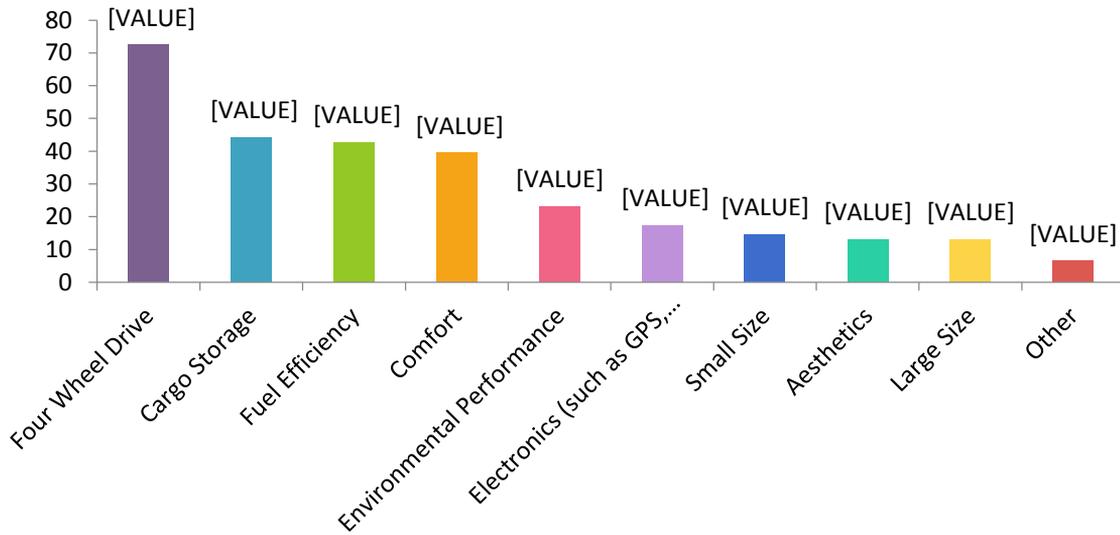
Convertible 1

Minivan 1

Van 1

estate wagon	1
jeep	1
moped	1
small EV, previously owned	1
vintage	1
Total	9

**What are the most important features when purchasing a vehicle for Nantucket? (select 3)**

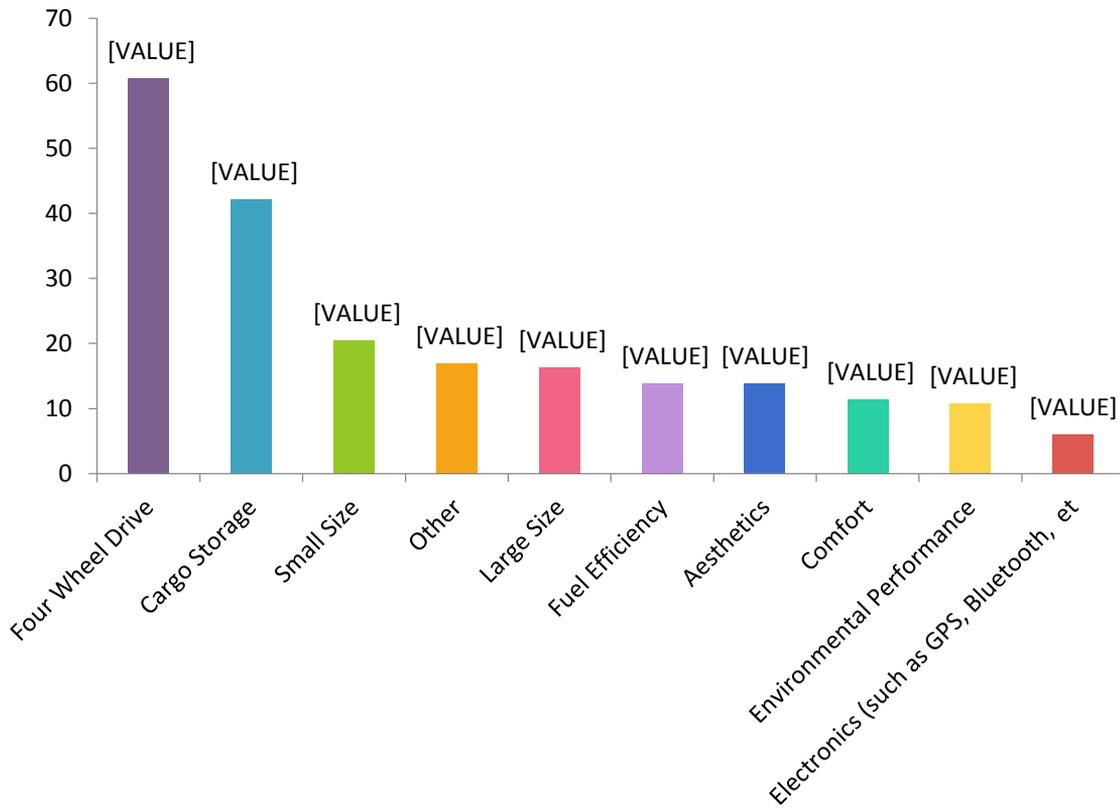


Value	Percent	Count
Four Wheel Drive	72.4%	134
Cargo Storage	44.3%	82
Fuel Efficiency	42.7%	79
Comfort	39.5%	73
Environmental Performance	23.2%	43
Electronics (such as GPS, Bluetooth, et)	17.3%	32
Small Size	14.6%	27
Aesthetics	13.0%	24
Large Size	13.0%	24
Other	6.5%	12

Other	Count
Drive it from home. Don't keep on Nantucket.	1
Ground clearance	1
I don't buy a car for ACK... I buy it for size of what I purchase off-island.	1
Low Maintenance; reliability	1

SAFETY	1
Safety	1
Safety	1
high # passenger seating	1
high enough off the road	1
med size	1
no hesitation	1
reliability	1
Total	12

Which of these are important limitations you associate with EVs? (select all that apply)

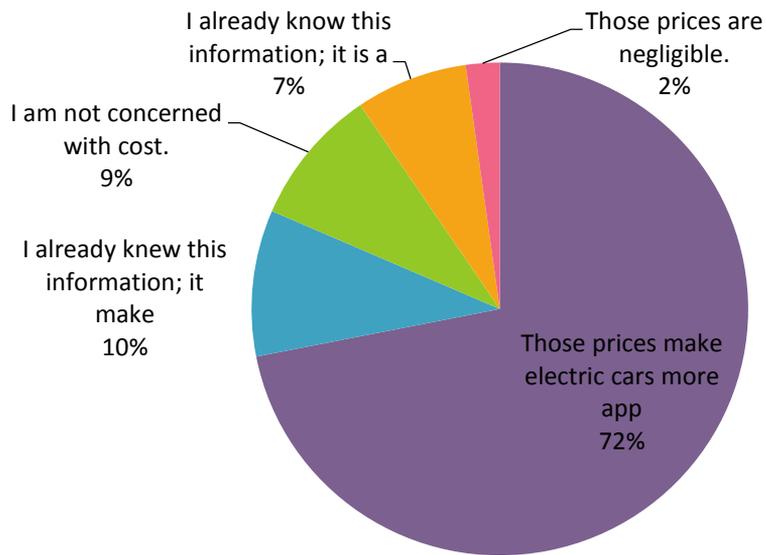


Value	Percent	Count
Four Wheel Drive	60.8%	101
Cargo Storage	42.2%	70
Small Size	20.5%	34
Other	16.9%	28
Large Size	16.3%	27
Fuel Efficiency	13.9%	23
Aesthetics	13.9%	23
Comfort	11.4%	19
Environmental Performance	10.8%	18
Electronics (such as GPS, Bluetooth, et	6.0%	10

Other	Count
Range	2
cost	2
Battery Life - I hear they don't last long and they are expensive to replace	1
Don't know.	1
I'm not really up on the EV vehicles.	1
It seems like a hassle for long drives	1
Just not interested	1
No one on island for local repairs	1
None	1
Price and options of different vehicle types	1
Range and charging	1
Range, cost to recharge	1
Reliability	1
Safety	1
Selection of what is on market	1
Suitability for Nantucket	1
access to dealership for on-island maintenance	1
do not go very long distances	1
hesitation	1
i know nothing about electric cars	1
power	1
range	1
range, performance	1

range,battery life	1
travel on and off island	1
Total	27

You can receive up to \$10,000 in monetary incentives in MA. and residents of Nantucket have obtained EVs for as low as \$14,000. How does this change your opinion about electric vehicles?

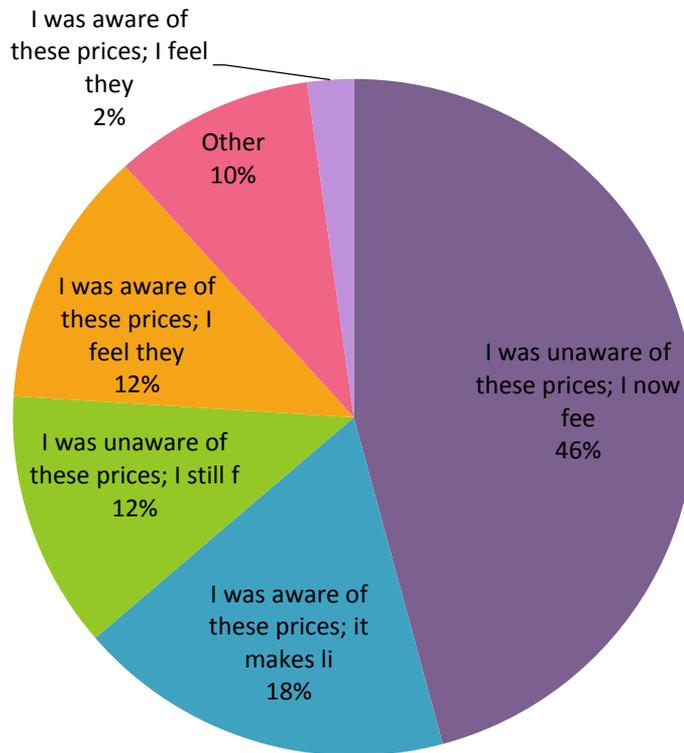


Value	Percent	Count
Those prices make electric cars more app	71.9%	128
I already knew this information; it make	9.6%	17
I am not concerned with cost.	9.0%	16
I already know this information; it is a	7.3%	13
Those prices are negligible.	2.2%	4
	Total	178

Statistics

Total Responses	178.0
Skipped	5.0

Electric vehicles can be purchased new for as low as \$21,750 and used for as low as \$9,100 with most cars being 2012-2015 models boasting many modern features. With this said, which of the following best reflects your thinking?



Value	Percent	Count
I was unaware of these prices; I now feel	45.8%	82
I was aware of these prices; it makes li	17.9%	32
I was unaware of these prices; I still f	12.3%	22
I was aware of these prices; I feel they	12.3%	22
Other	9.5%	17
I was aware of these prices; I feel they	2.2%	4

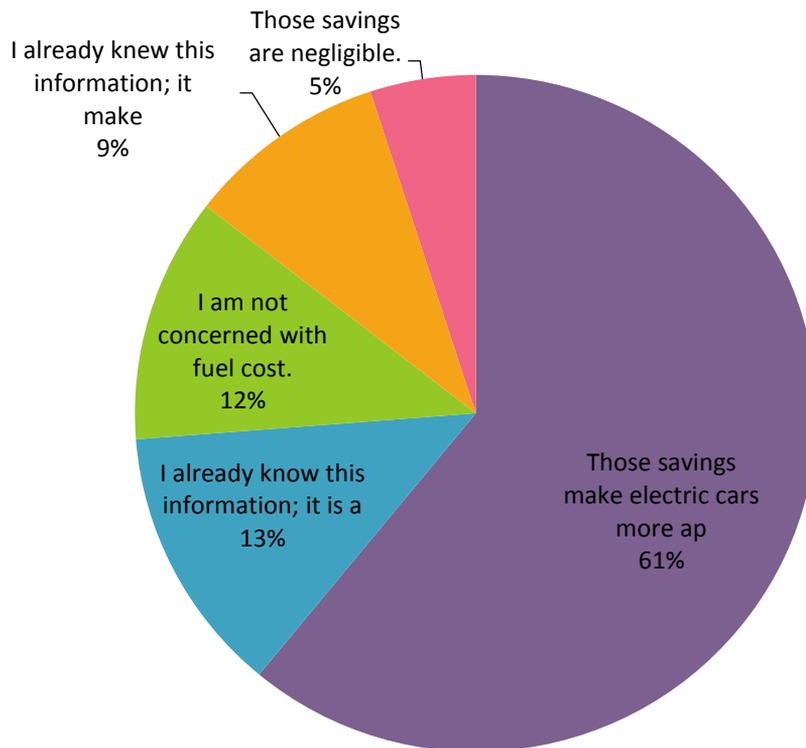
Total

179

Other	Count
4 wheel drive	1
9100 seems like a very high use cost, and no scale is given. Per year? Lifetime?	1
All this is great - if it comes in 4WD - the plowing out here is terrible, and then there's all the sandy roads...	1
EVs at that price will not have the features I'm interested in	1
I am aware, just haven't seen one that fits the utility and cargo requirements of my occupation.	1
I am not interested.	1
I was unaware of these prices however not knowing much about the technology I don't know if they are cost effective	1
I was unaware of these prices, I need a van size car.	1
Makes an appealing idea even more appealing	1
Still ugly car that I can't take off-island, transport lots of people	1
Unaware but would want more info.	1
Unaware of prices, but cargo capacity matters more than price	1
again, this info is interesting but I would need to see and drive and research it all before answering these questions	1

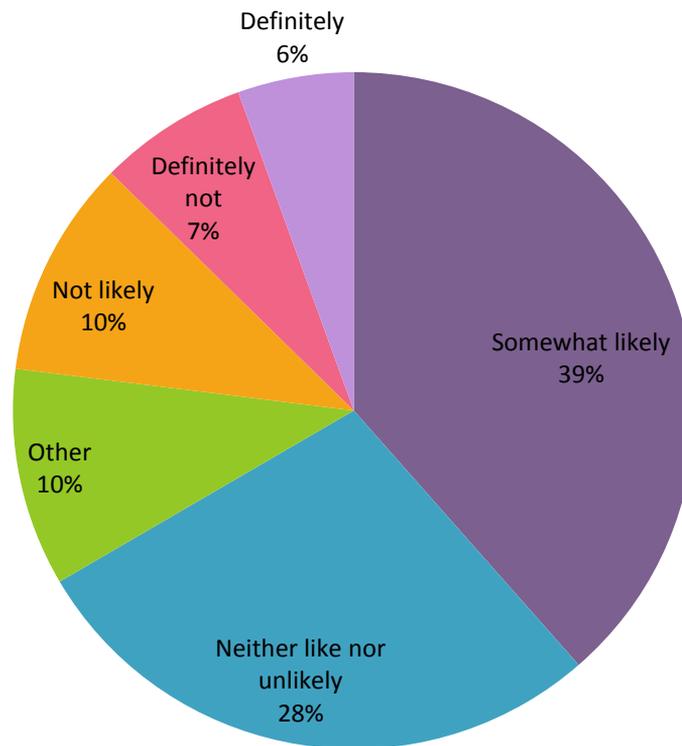
still don't meet my needs.	1
unaware these prices, need further analysis	1
unaware, but still may not suit my needs	1
used &lt; \$5000 limited use	1
Total	17

Based upon the current cost of fuel and electricity on Nantucket (\$3.57 per gallon, \$0.18/KWh as of 11/14/16), driving an electric vehicle would be about half the cost of driving an average sedan and one-third the cost of driving a full-size SUV. How does this change your opinion about electric vehicles?



Value	Percent	Count
Those savings make electric cars more ap	60.9%	109
I already know this information; it is a	12.8%	23
I am not concerned with fuel cost.	11.7%	21
I already knew this information; it make	9.5%	17
Those savings are negligible.	5.0%	9
	<b>Total</b>	<b>179</b>

All of the EV owners interviewed on Nantucket expressed that they are overwhelmingly happy with their vehicles and they would definitely recommend an EV for anyone on Nantucket. They explained that the range is more than sufficient for their daily commutes and the vehicles drive incredibly well, even on the cobblestones. Knowing this, how likely is it that you will purchase an EV as your next vehicle?



Value	Percent	Count
Somewhat likely	38.5%	70
Neither like nor unlikely	28.0%	51
Other	10.4%	19
Not likely	10.4%	19
Definitely not	7.1%	13
Definitely	5.5%	10
	Total	182

Other	Count
Can I take it out to Great Point?	1
I may consider an EV if I knew more about them and felt comfortable in one	1
I take mine off island on long road trips so not practical for me	1
If the car was to stay on island then it is worth it. If however the car is used to travel, then there is the concern of charging it	1
It's definitely something we want to do if money wise feasible	1
It's possible. I haven't looked to see if electric is a possibility for a pickup truck.	1
My daughter has a hybrid. It does not save anything on Nantucket, so I'm skeptical of EV.	1
My next vehicle will probably be the last with an internal combustion engine	1
Not likely, I use my vehicles for work as well, they don't have the range and usability options that gas-powered offers.	1
Only if available in a jeep	1
Only if it is 4WD.	1
Still can't drive one on the beach	1
Still don't meet my needs	1
The issue for me is whether or not it will go on sand.	1
Would need to look into it further	1
Yeah, I'm not buying that statement for a minute.	1

need an EV truck	1
not likely, but perhaps as my spouse\'s primary vehicle	1
not sure	1
Total	19

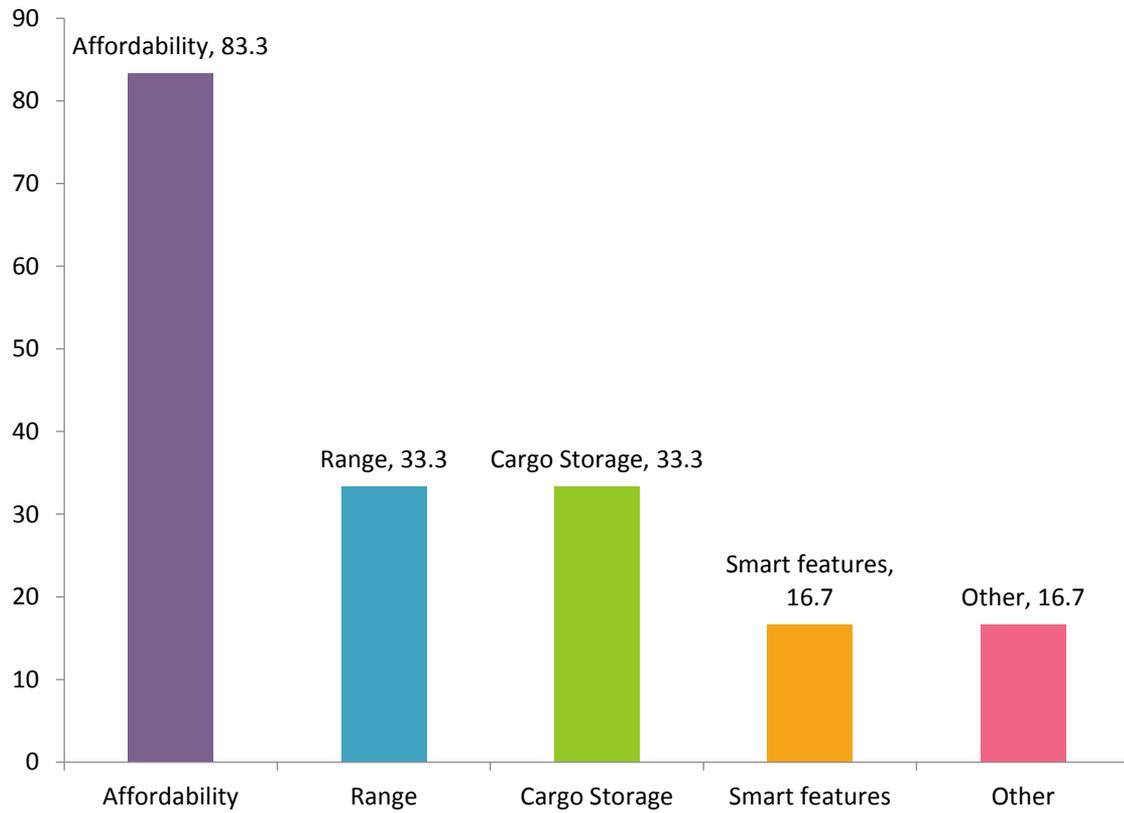
**What specific make/model vehicle do you have?**

Count	Response
1	2016 Ford Fusion plug-in hybrid
1	Ford Transit Connect
1	Leaf
1	Nissan Leaf
1	VW E Golf
1	smart coupe for two

**What first made you look into EVs?**

Count	Response
1	Commitment to energy conservation.
1	Economy & environment
1	Energy cost
1	Fit the island
1	Necessity for a town oriented vehicle for work.
1	price of lease, like idea

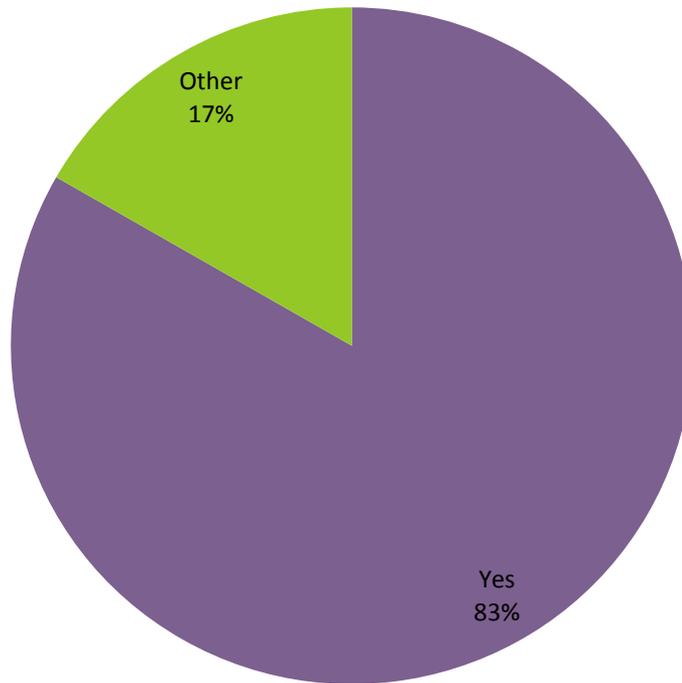
What features did you most strongly consider when purchasing your EV? (select all that apply)



Value	Percent	Count
Affordability	83.3%	5
Range	33.3%	2
Cargo Storage	33.3%	2
Smart features	16.7%	1
Other	16.7%	1

Other	Count
like the feel of the drive, dont need to use gas	1
Total	1

**Are you satisfied with your EV?**



Value	Percent	Count
Yes	83.3%	5
Other	16.7%	1
	<b>Total</b>	<b>6</b>

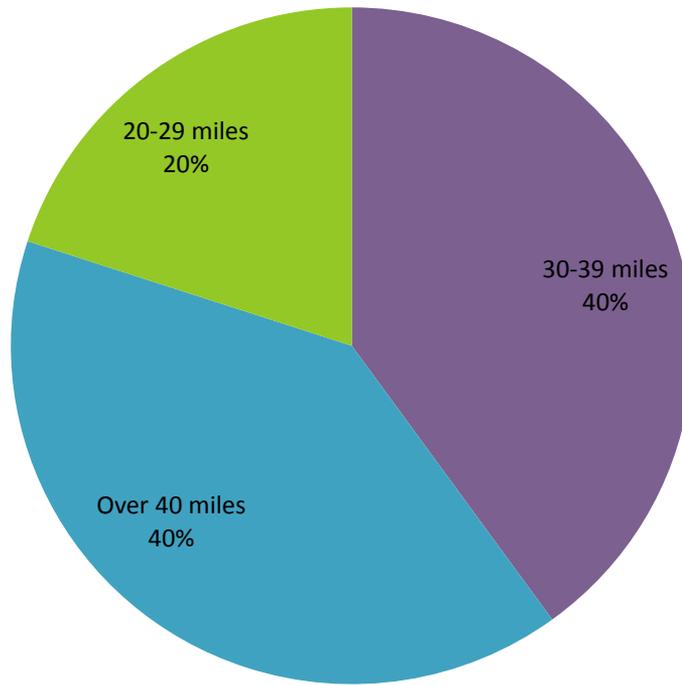
Other	Count
tough to have serviced. electrical surges fried 2 chargers	1
<b>Total</b>	<b>1</b>

**Why or why not?**

Count	Response
1	A well thought out design excellently engineered.

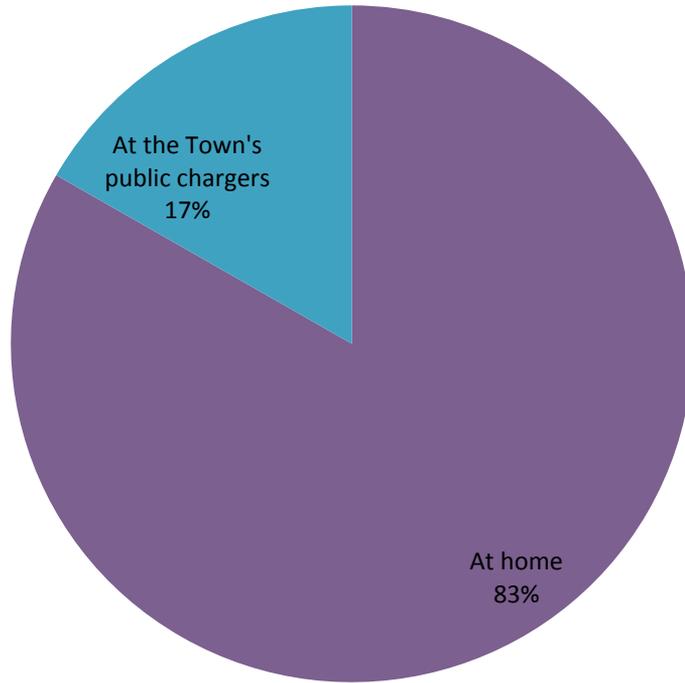
- 1 Limited range but OK for ACK
- 1 Perfect Island car. Range is unimportant
- 1 see above

About how many miles per week do you drive on Nantucket during the summer?



Value	Percent	Count
30-39 miles	40.0%	2
Over 40 miles	40.0%	2
20-29 miles	20.0%	1
Total		5

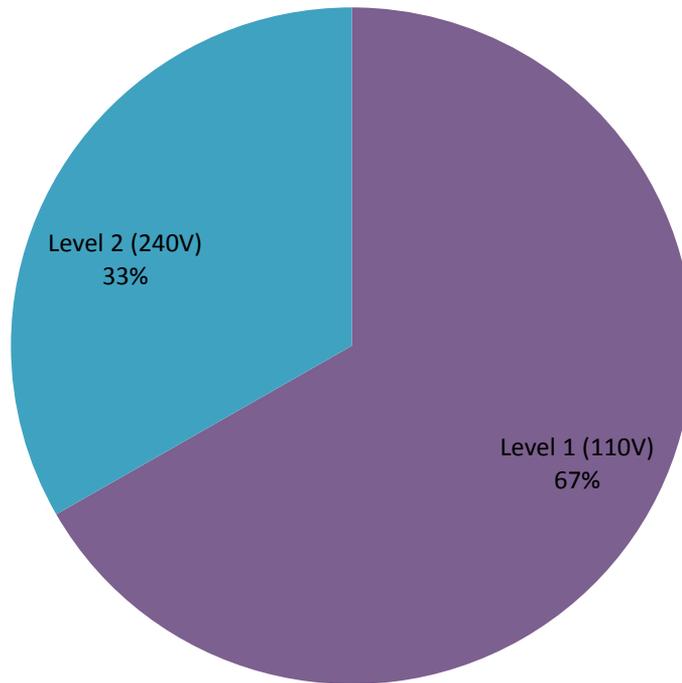
Where do you primarily charge?



Value	Percent	Count
At home	83.3%	5
At the Town's public chargers	16.7%	1
	Total	6

Other	Count
Total	0

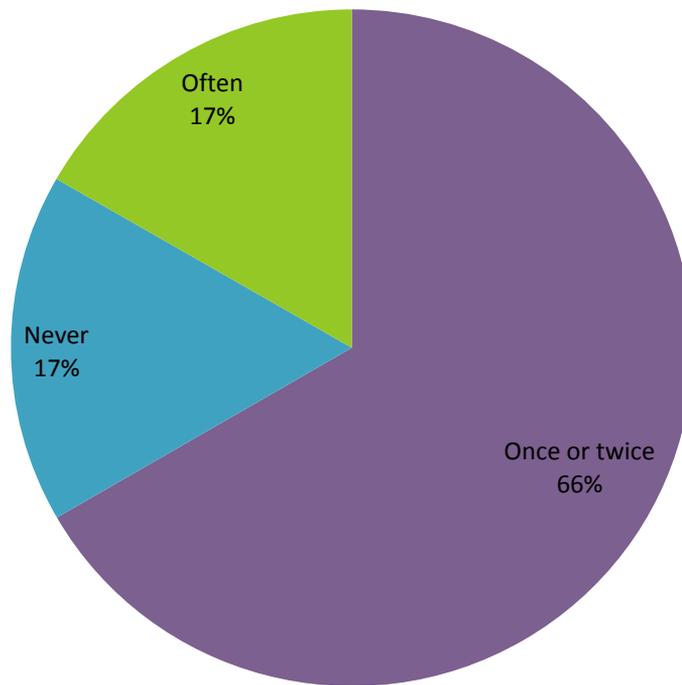
What kind of charger do you use at home most frequently?



Value	Percent	Count
Level 1 (110V)	66.7%	4
Level 2 (240V)	33.3%	2
	Total	6

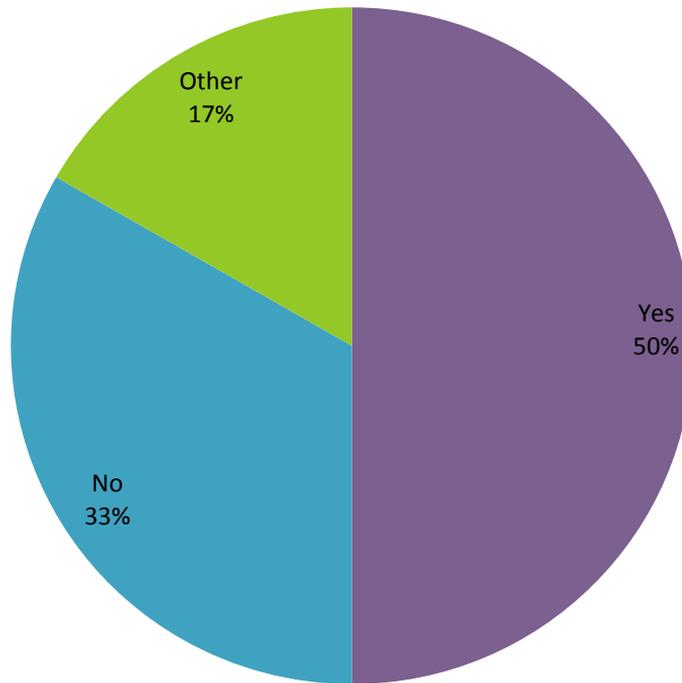
Other	Count
Total	0

Have you used the Nantucket public charging stations? If so how often?



Value	Percent	Count
Once or twice	66.7%	4
Never	16.7%	1
Often	16.7%	1
Total		6

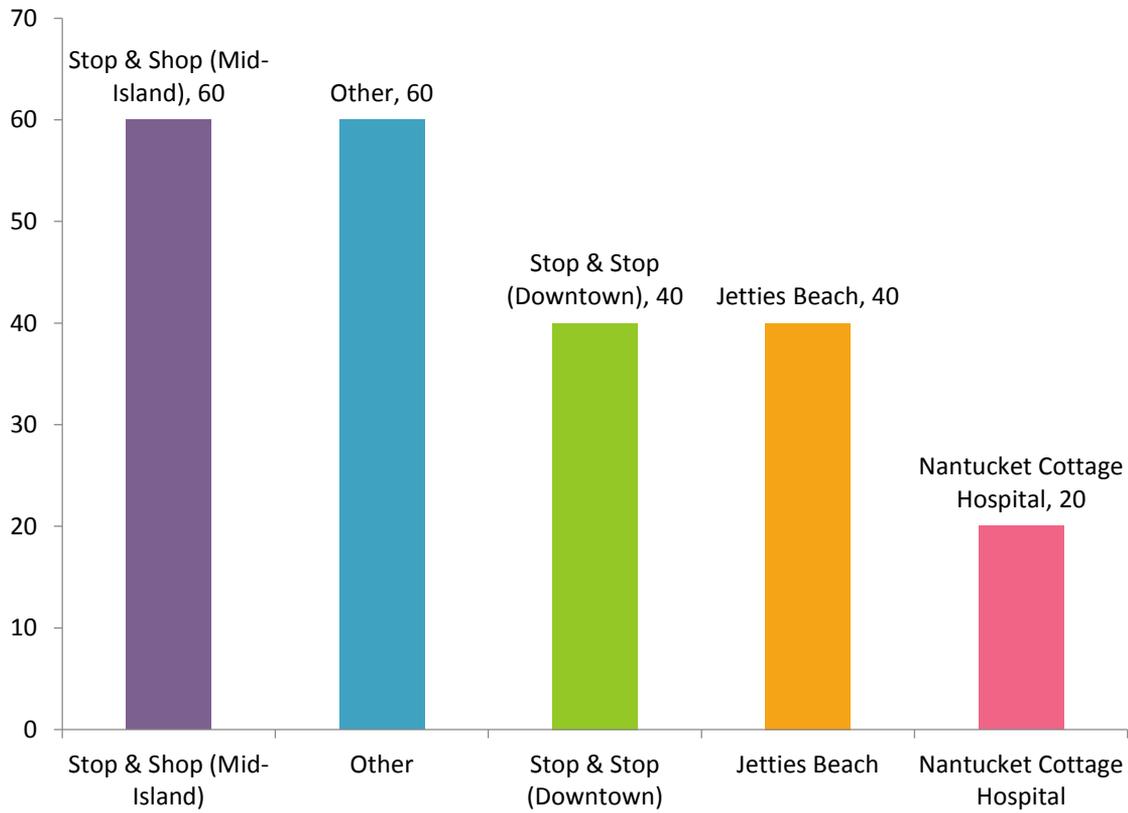
If these public charging stations became a pay-to-use system would you still be willing to use them?



Value	Percent	Count
Yes	50.0%	3
No	33.3%	2
Other	16.7%	1
	<b>Total</b>	<b>6</b>

Other	Count
if I had to or couldnt find other parking	1
<b>Total</b>	<b>1</b>

**Are there locations on Nantucket that you think an additional public EV charger would be beneficial?**



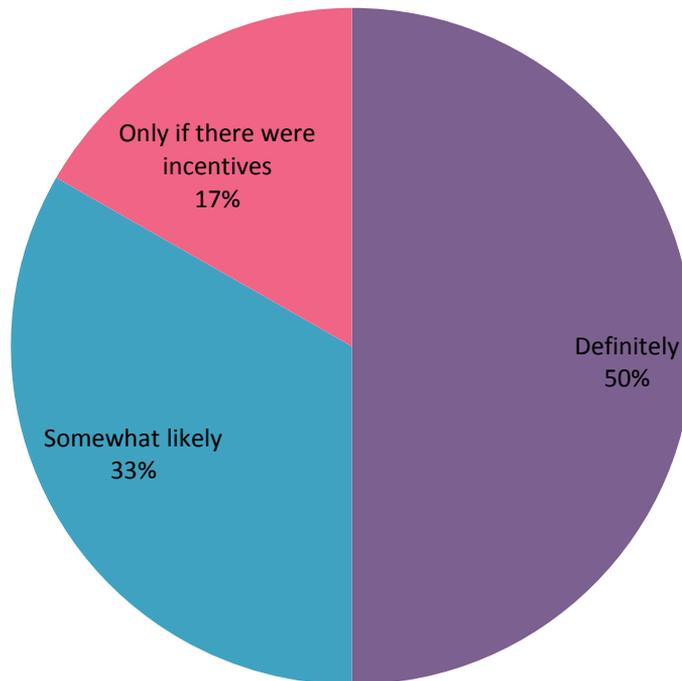
Value	Percent	Count
Stop & Shop (Mid-Island)	60.0%	3
Other	60.0%	3
Stop & Stop (Downtown)	40.0%	2
Jetties Beach	40.0%	2
Nantucket Cottage Hospital	20.0%	1

Other	Count
Island small enough that as long as owners can charge at home should be fine.	1
Siasconset Casino	1
may be good for others, we charge at home and	1

we are never that far from home!

Total 3

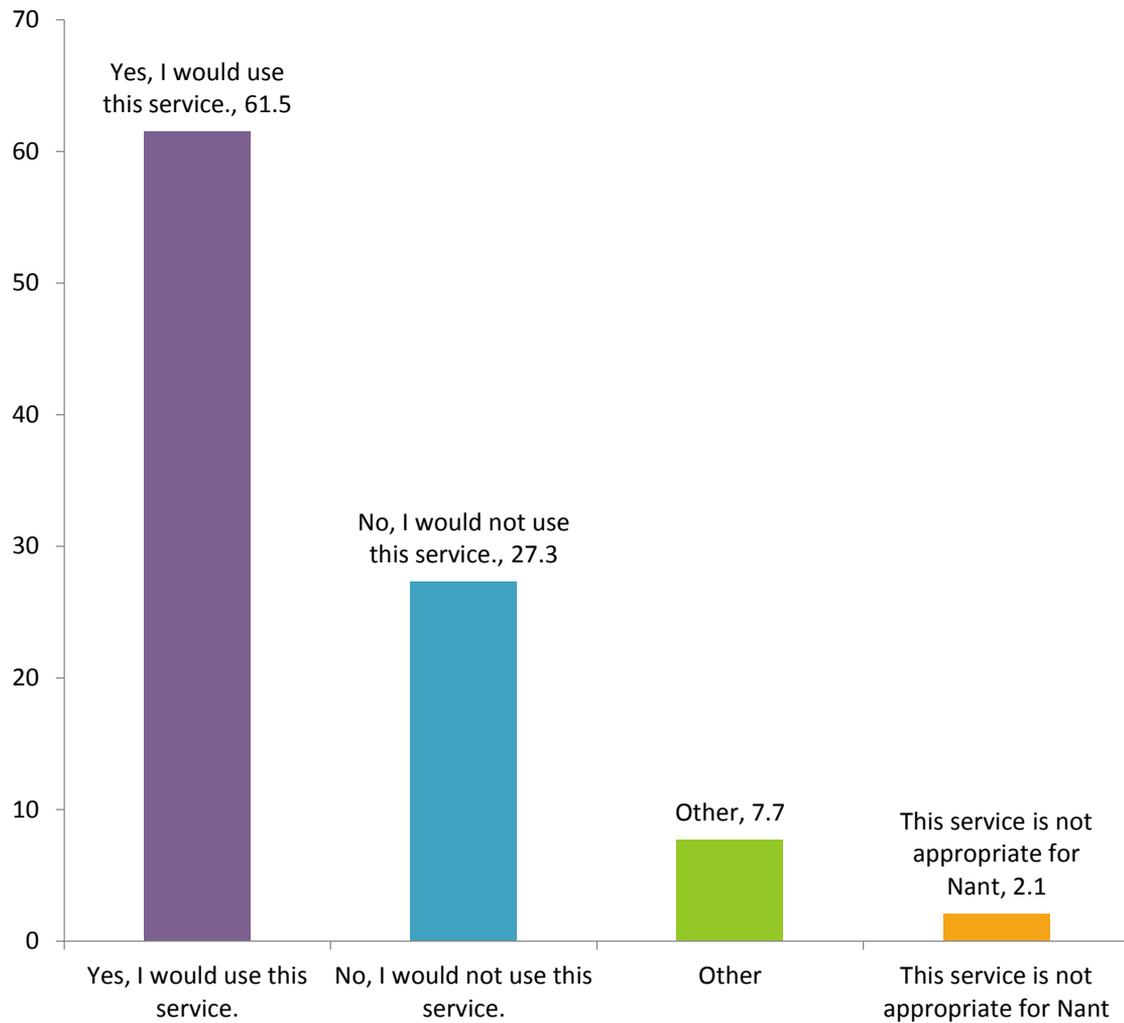
Nantucket’s summer electric usage is growing five times the statewide average, peaking between 5-10 pm. If this trend continues, a third undersea cable may be necessary, historically paid for by Nantucket customers. Given this information, how likely are you to participate in an off-peak charging initiative?



Value	Percent	Count
Definitely	50.0%	3
Somewhat likely	33.3%	2
Only if there were incentives	16.7%	1
	Total	6

The Town is interested in exploring the concept of a free electric shuttle service between mid-island and downtown, which would be sponsored by local businesses and/or the Town of Nantucket.

<http://www.ridedowntown.com/cities/aspen/Would you be interested in this service?>



Value	Percent	Count
Yes, I would use this service.	61.5%	88
No, I would not use this service.	27.3%	39
Other	7.7%	11
This service is not appropriate for Nant	2.1%	3

Statistics

Total Responses 143.0

Skipped 1.0

Other Count

Having been a local business owner for many years I don't see how they can sponsor something like this evening if it is a good thing. Local businesses are constantly being pressured to support this and that. Very few have the financial resources.

I am not sure how I feel about this. 1

I don't live mid-island, so I don't think I would use it. 1

I would use and support this service! 1

N/A 1

Nantucket is a seasonal community. You could consider an airport shuttle or a worker shuttle, but year round it would be tough. 1

Unsure 1

but visitors would 1

love the idea, but I don't think it would be helpful for me 1

town shouldn't pay for it 1

use will be a function of frequency and routes 1

Total 11

**Do you have any thoughts or concerns regarding EVs, energy use, or this survey that you would like to share with us?**

Count	Response
1	Think the electric vehicles should have solar panels on the roof to take care of the recharging, not electric posts in parking lots or driveways, go electric, go solar ! Ed
1	I would be interested in a EV four-wheel-drive pick up truck that can pull my boat and drive on the beach.
1	If we are constrained by having only two power cables reaching Nantucket, I fail to comprehend the logic behind encouraging greater use of electricity through EV's. It would be far wiser to concentrate on economizing electricity consumption through energy efficient appliances and lighting. Further consideration should be given to on island generation such as small wind turbines.
1	A SMART CAR GETS 45 MPG ON NANTUCKET SO FUEL COST ARE VERY LOW
1	Any savings an individual might receive would be offset by higher electricity costs for everyone - especially if third cable is required. We all do very little driving on Nantucket and making the US dependent on foreign rare earth batteries just doesn't make sense in the big picture. The Town should not get involved in raising our electricity rates which are already high!
1	Anything that increases Nantucket's consumption of electricity is bad.

1

As soon as there is a sizeable breakthrough in battery capacity and longevity I will consider an electric but there needs to be more R and D on battery technology first.

1

Being a carpenter, my need is for a small pick up truck. That can handle quite a bit of weight from time to time.

1

Charging stations are a huge hurdle, imagine if 20 more came on island tomorrow. If the infrastructure is there, I would consider it, especially for my coffee shop vehicle. But I will say that I need more education on what's out there and how to charge!

1

Considering that there is a concern with increasing demand for electricity on Nantucket in the summer, how would increasing the use of electrical vehicles improve that situation? The charging of the EV's would most likely increase load for the island in peak months and influence the need to install a additional transmission cable to the island.

1

Definitely something to consider knowing all the facts and I think it would make sense for the island especially with gas being so expensive.

1

Disposing of the battery Cost saved by vehicle owners, is paid by all tax payers

1

Do not want the cost of another cable for full time residents. Let the summer people pay for it.

1

EV is the future. We need to plan on people adopting it and build for the additional loads that it will bring into the electric grid. To offset these

loads, the town should be setting aside funds for distributed energy generation and storage before we hit that critical high demand tipping point.

1 EV's are perfect fit for island. Can encourage use with cheaper off peak electricity, parking priority (One example, smaller or EV only on left of Main from Met to Orange would create a turning lane out Orange , moving traffic, while encouraging smaller cars.) Potentially EV could be used as battery storage and return electricity peak as park of smart grid. The additional energy if we had a lot of these on island needs to be understood.

1 EV's seem ideal for many Nantucket residents, although I use an SUV and need the utility and 4x4 capabilities. But an EV could work well for my wife's needs. It would be great if rooftop solar could power the EV's.

1 EVs make great sense, and I'm confident they will gradually become more numerous here. I'll transition to one eventually, but not as a "pioneer adopter." Having used my employer's Nissan Leaf, I'm sold on an EV. But I'm also aware that battery life remains a big unknown. Once that "life" comes with a guarantee, I'd be inclined to consider an EV as my next purchaser.

1 Electricians on the island are very expensive and hard to engage, so getting the charging mechanism installed is a great barrier

1 Food for thought!

1 Good luck WPI students.

1 Great idea

1

I am very much for encouraging people to bike and walk more on Nantucket by improving the bike paths and sidewalks. If you're not transporting anything (big), you shouldn't have to use your car (not even in the winter... :)...unless it's snowing...). This might decrease the amount of cars on island. The current technical development in the electric car industry is good enough to pursue a further fossil fuel free car environment on Nantucket. I know this survey is more about EVs than bike path/sidewalk infrastructure (and I know Nantucket already has beautiful bike lanes Town is adding/improving parts of the infrastructure for this...), however, you might want to check the following website on biking infrastructure in the Netherlands: <https://bicycledutch.wordpress.com/> Good luck with future research on this!

1

I applaud your efforts....Nantucket is a fragile island.

1

I believe that EVs and plug in hybrids should be strongly encouraged by adding more charging stations and free downtown parking. Gas vehicles pollute the air and water and use electricity at the gas station. Our electricity usage could be cut way down by improving the building code. One poorly made McMansion that is heated year round because its artificial structured building materials are sensitive to temperature changes causes a huge and pointless drain on the system. And then year round residents will have to pay the surcharge for a third cable, that many can't afford.

1

I believe that EVs are well suited for the Island . We can't because we travel 5 to 6 months a year but for those that don't, they're ideal. When we retire our RV we were strongly consider a EV.

1

I believe that the use of EV's on Nantucket would be a positive. However, many residents purchase four wheel drive gasoline vehicles for recreational purposes. Until EV's can go on the beach or the moors I don't think they will become popular on the island.

1

I don't drive very much. Fuel costs should be much higher in this country.

1

I don't mind the electric vehicles, but I hate the premium parking spaces that are set aside for them. They remain EMPTY. Better to have a space set aside for a veteran. Also I am a little concerned about how quiet they are when backing up. I have seen several EV drivers back up or drive forward and nearly hit young children. With so many walkers who may not even hear the cars, that could prove to be dangerous. I do appreciate looking into new energy alternatives and thank you for this survey!

1

I found it odd to see a statement about how electricity use is growing on Nantucket, which could lead to another cable, in the middle of this survey. Why bring it up without developing the idea further? Nantuckets' dislike for solar must be put aside as utilizing solar could revolutionize Nantucket. Likely making it feasible for everyone to drive electric. Maybe we could be internationally recognized for "cutting the cord".

Now, that's elite.

1

I had a terrific conversation and a test drive with an EV owner this past summer. It opened my eyes to the possibility of buying an EV just for Nantucket, as a 2nd car, to supplement the Volvo we bring over on the ferry each year.

1

I have concerns about the electric charging stations that are NOT solar powered, like the one at 37 Washington St. It uses fossil fuels to charge an EV which in my mind goes against the point of having an EV.

1

I like that they don't add to pollution. Have never given them much thought. You provoked an interest!

1

I live on a dirt road, with many potholes. I need an SUV or other high clearance vehicle to navigate the terrain. It is MORE SEVERE than cobblestones. My neighbor has a Volvo which gets destroyed.

1

I live on the edge of town and would prefer more of a upscale golf cart to meet many of my transport needs....where you seem to be only focusing on true automobiles. If most of the island used them we would have double the parking down town!

1

I support any efforts to go to electric vehicles

1

I think EVs are great cars for local use; but I need a vehicle that clears the ground, has 4WD, can tow, and travel distances during off-island trips.

1

I think an electric shuttle service is appropriate for Nantucket because otherwise, people are taking

taxis. Would you rather have a bunch of gas powered taxis picking up and dropping off people to/from the Chicken Box and Cisco Brewery, or would you rather have an electric shuttle service? The taxis might object, but look at Uber..

1 I think the idea of energy independence, incorporating solar/wind generation, should be factored into the decisions that are being made. If the charging stations could be offset by renewable means, it makes the cable concerns a mute point...

1 I think they are a viable options as they continue to improve the capability of the batteries, build out infra-structure to charge them, increase cargo space by producing smaller batteries, etc.

1 I wish I knew more about the types of EVs available now and price points/performance. Information about EVs would be great to have! C. Daniels 19 Guild Road Dedham 02026 - send suggestions for EVs! I am about to buy a car!

1 I would just be concerned about how i would charge my car if i were to purchase an EV. i live in an apartment building and would not know how to go about charging it without others stealing my power...

1 I'm concerned on the maintenance aspect of electric vehicles. I have heard of people accidentally electrocuting themselves while trying to open the hood if there is a problem with the vehicle. This is deeply concerning.

1 I'm totally for EV for the island. If they were more

like a van, I would consider one

1 If nanucket EV use rises ,will it require a 3rd electric cable from the mainland ?

1 It is unfair that year round resident should be burdened with over utilization by summer residents. Especially if associated with heating pools or very large homes that are cooled when there are just a few people in residence. There should be a penalty for pools, houses above 4000 square feet( or a size determined by taking the average of all year rounder houses and adding a fudge factor ).

1 It is unlikely that I would use the downtown/mid-island shuttle as I live in Madaket. If the survey was sent to people on Lauren's email list, is it more likely that respondents would be more conservation minded, thereby skewing the survey results?

1 It would be helpful to know what the models are. I am very surprised that there are as many as the survey implies.

1 It's definitely an appealing idea for the island since there are no real long drives where you need to be concerned about refueling your vehicle.

1 Like many, I don't keep a car on Nantucket, just driving it on and off for our 4 month stay each year. As such, I buy a car based on its off-island appropriateness. Need an SUV size vehicle to bring up our stuff. Long distance driving range vital. Gas is cheap off island, so not an issue. Not a MA resident, so no rebate.

1 Location and availability of charging stations;  
appearance of EV's (would definitely want an  
SUV)

1 My main concern was getting it from the  
dealership to Nantucket-dealers are 70 miles  
away (Smart).

1 No concerns, please promote solar as well as  
EVs. Thank you.

1 No.

1 None

1 None at this time

1 Nope.

1 Not Really.

1 Not really

1 Now for more solar panels!

1 SUV is important living here -would have liked  
more information regarding those prices in the  
survey, perhaps would be more swayed.

1 Seems like a great idea, particularly if nighttime  
incentives can be implemented. Alternatively,  
wind & solar power can be used to create  
additional electricity - why not establish a solar  
power farm at the airport like we already have in  
Hyannis?

1 Thank you for exploring this for the town!

1 Thank you for the survey I was not aware of the  
pricing of EV

1 The leaf is an ideal EV for Nantucket. Compact

size with large interior and good ground clearance. The used leafs are bargains—as low as \$9K—and becoming numerous as mainland owners trade them in for the new higher range models. I am on the waiting list with both Tesla and Enphase for a battery storage system that would eliminate my demand for charging during peak hours.

1 The town and electric co need to promote solar. While the current effort giving LED's and digital thermostats is wonderful, discounts towards purchase of Tesla batteries/solar panels would reduce the need for the 3rd cable. Tesla should be contacted to make Nantucket a demonstration project.

1 There are charging station on the island, they were installed with a grant, however, Town Government has not maintained them. They refuse to budget for them This after energy consultant ask for funds. Seems to me Town Government want to be for it, but when push to come, will not find it.

1 There are no 'long drives' on Nantucket. Most commutes are in the 5 to 10 minute variety. Often these drives include roads where ground clearance could be a problem.

1 Too many cars & huge trucks.

1 Town EV spots need to be better enforced with parking tickets. Many times non-EVs park in the downtown spots all day. The other locations may not be in the best locations.

1

Trades folk need an EV for work

1

Unless I can get a Tesla, the BMW I-8 or the new Porsche, it will be a cool day before I give up my BMW. If you can make those affordable, I'm in. Give me some incentives for solar or geo-thermal for my home and then we'll talk.

1

WE LOVE THE i3 and would have purchased already but the back seat only has seat belts for 2 passengers.

1

We have an electric car in Los Angeles. Range is a huge drawback. That might be negated in Nantucket. I would also be concerned about the cost of installing a 240 volt plug, which is necessary for the charging time.

1

We have two EVs both smart coupe for two. We plug one in each night when we get home from work and leave it overnight. If there was an incentive, I could imagine we would wait till we went to bed around 10,(off peak) and plug it in then. I will try to do that anyway. Not sure how many miles I drive week. I probably only drive 50 miles a week but my husband probably drives more like 100 miles/wk

1

What manufacturers provide EV's? Where are the charging stations? Hours? Does Don Allen sell these? Who else does? Maintenance packages provided to Nantucket residents? I purchased a new Venza, but couldn't take advantage of the amazing maintenance package included because it wasn't cost effective to take it off island to do so :- ( Thanks for the info. I thought they should have

done EVs years ago!

1

Where would I charge my vehicle? I think the shuttle would be great, but I wouldn't use it as I need my car for work deliveries.

1

Where would you plug in if you do not Have a garage or outside source of electricity?

1

Yes. I strongly feel the Town should create electricity on island, whether renewable or not, but I strongly prefer renewable and do not mind looking at wind turbine or solar panels if it means we can avoid a third cable. I know all about reliability issues; but if we can take some Town buildings off the grid, let's do it!

1

You mentioned adding a free EV shuttle from mid-island to downtown. That's a start. How about getting rid of those awful diesel road hogging NRTA busses. Maybe converting them to EV. Also , how about phasing out gas operated taxi's by making it mandatory for future liscense to be issued to owners of EV vehicle's only. If the next - in-line person on the taxi list declines then they will be bypassed. I beleive they go out and get an EV .

1

You should not use the word free in your surveys it's the first rule of economics nothing is free somebody has to pay for it

1

as stated earlier, I would need to do a lot more research before committing to buying an ev... as I live in town I wouldn't use the shuttle service but that doesn't mean it's not a good idea...anything would be better than the buses they use now just

for some peace and quiet!!

1 awesome survey and info! thank you!

1 electric cars make sense for nantucket i would rather see power conservation efforts to avoid the need for another cable

1 good luck :) John

1 high cost maintenance

1 if I purchased one it would need to be a hybrid as this vehicle would sometimes be brought off island requiring longer distance driving

1 no

1 none

1 not applicable to working class or business's in the end id imagine they are the fast percentage of use as a daily commuter can only be going so far on island

1 promote the use of small cheap cars that can only be used in areas < 35 mph that is most of town I'm considering buying 1 if < \$5000

1 public transport buses should be electric as well as all applicable town vehicles. lead by example!

1 repairs,battery life

1 very well-designed survey

1 would consider an EV only if it was a SUV in feature and size as we have a family of 5 and all play hockey/sports