

# **Attachment A:**

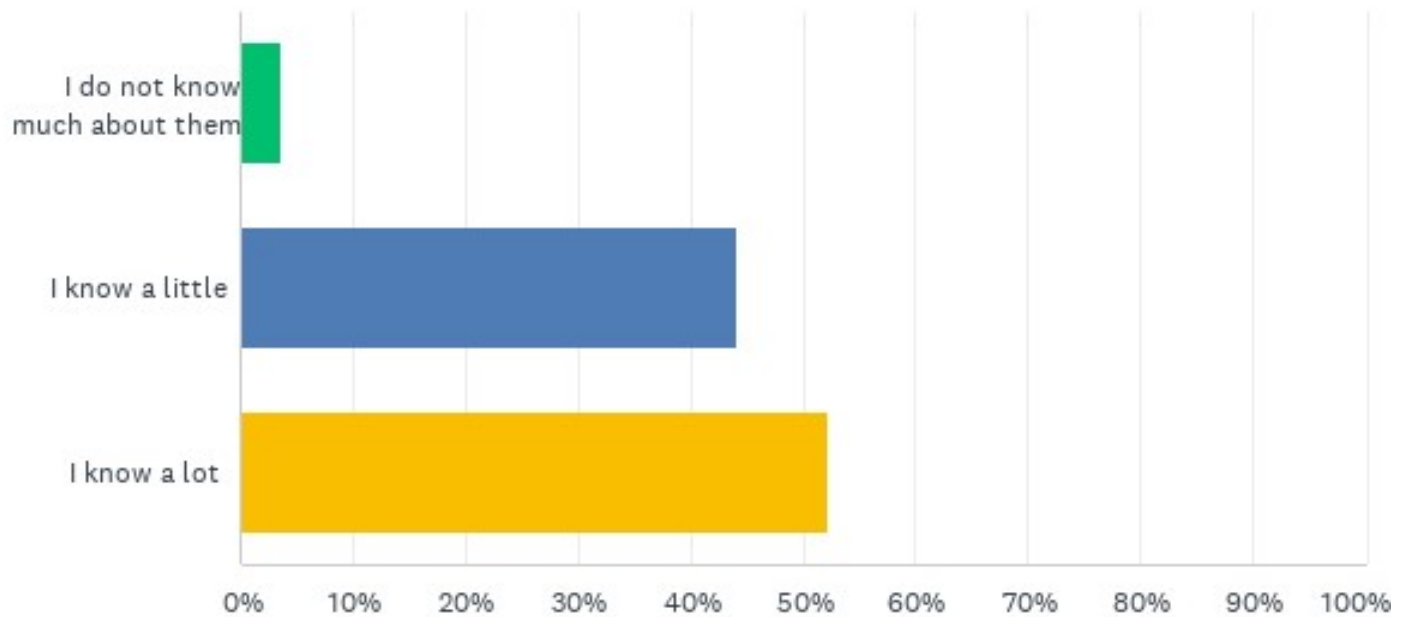
## **Results of the Community Survey**

Thursday, May 26, 2022

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## Q1: What is your understanding of electric vehicles?

Answered: 1,387 Skipped: 6



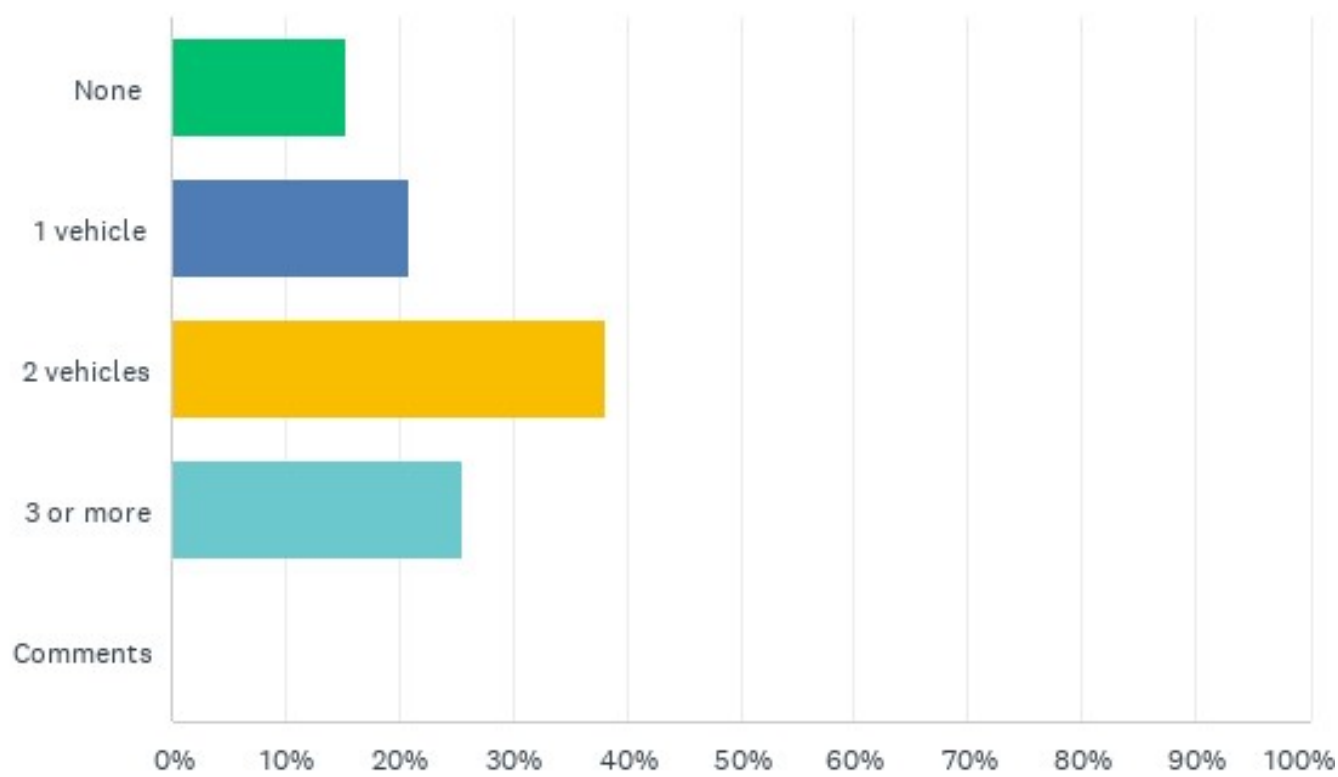
# Q1: What is your understanding of electric vehicles?

Answered: 1,387   Skipped: 6

ANSWER CHOICES	RESPONSES	
I do not know much about them	3.60%	50
I know a little	44.12%	612
I know a lot	52.27%	725
TOTAL		1,387

**Q2: What is the total number of vehicles your household currently owns and uses?**

Answered: 1,382   Skipped: 11



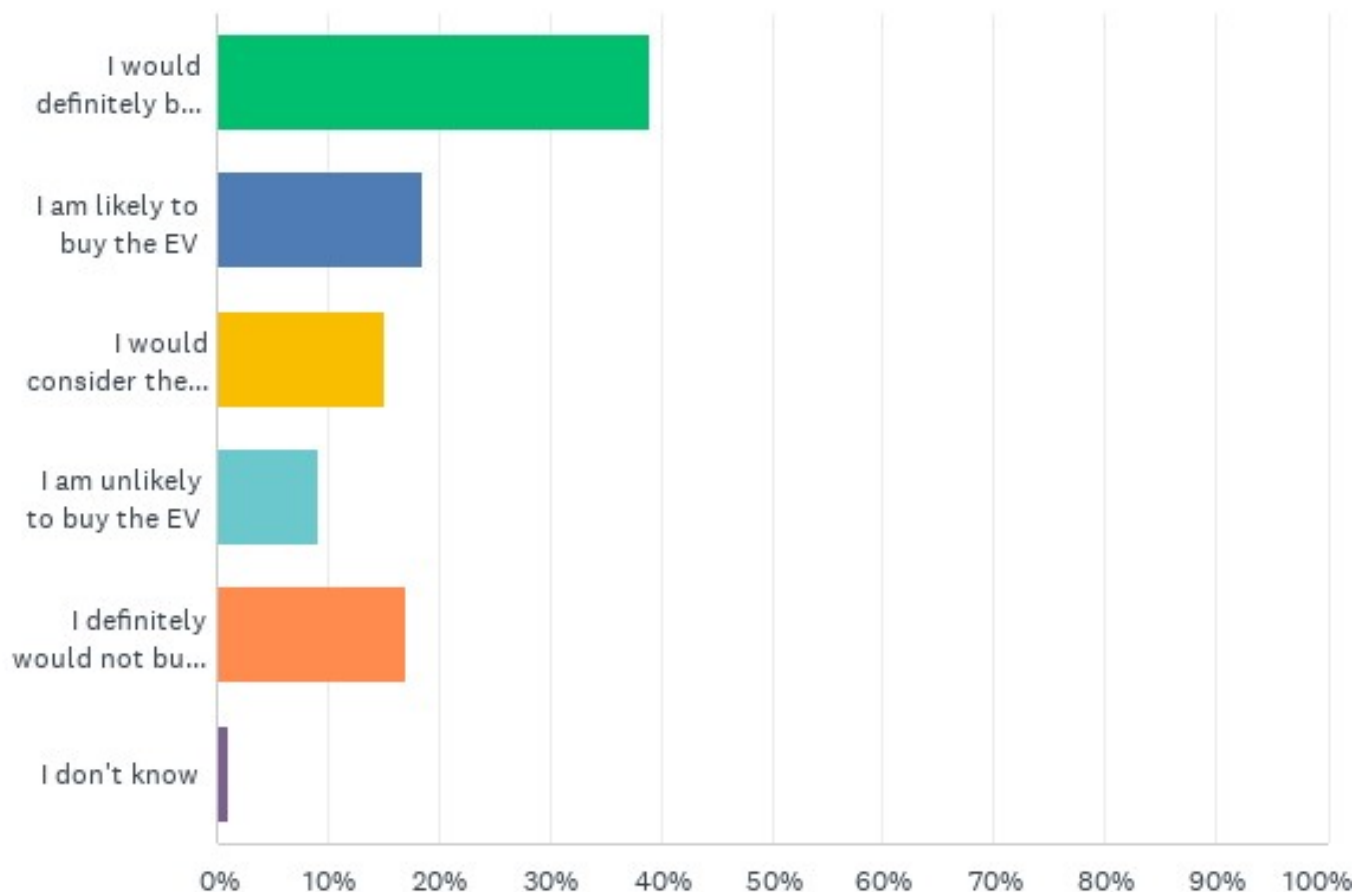
**Q2: What is the total number of vehicles your household currently owns and uses?**

Answered: 1,382    Skipped: 11

ANSWER CHOICES	RESPONSES	
None	15.34%	212
1 vehicle	20.98%	290
2 vehicles	38.06%	526
3 or more	25.62%	354
Comments	0.00%	0
TOTAL		1,382

**Q3: Imagine you are ready to purchase a new vehicle. If there was an electric vehicle that offered similar features to a comparable gasoline-powered vehicle, which are you most likely to choose?**

Answered: 1,370 Skipped: 23



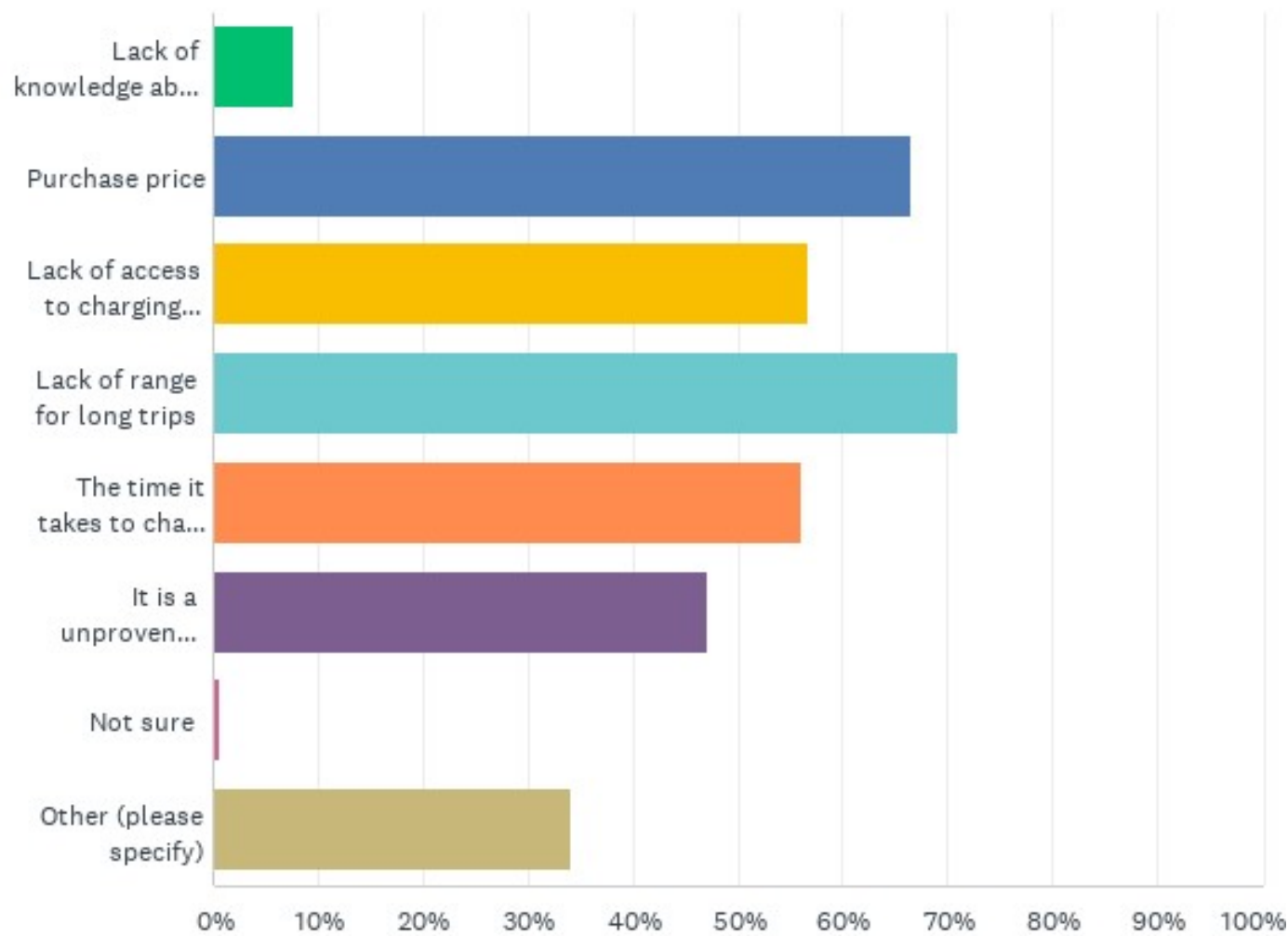
**Q3: Imagine you are ready to purchase a new vehicle. If there was an electric vehicle that offered similar features to a comparable gasoline-powered vehicle, which are you most likely to choose?**

Answered: 1,370    Skipped: 23

ANSWER CHOICES	RESPONSES	
I would definitely buy the EV	39.12%	536
I am likely to buy the EV	18.47%	253
I would consider the EV but need convincing	15.11%	207
I am unlikely to buy the EV	9.20%	126
I definitely would not buy the EV	17.01%	233
I don't know	1.09%	15
TOTAL		1,370

**Q4: The City of Phoenix is encouraging the purchase of EVs as they are better for air quality and they can save on gas costs. What are the main reasons you were unsure or not likely to choose an electric vehicle in the last question? (Select all that apply)**

Answered: 581    Skipped: 812





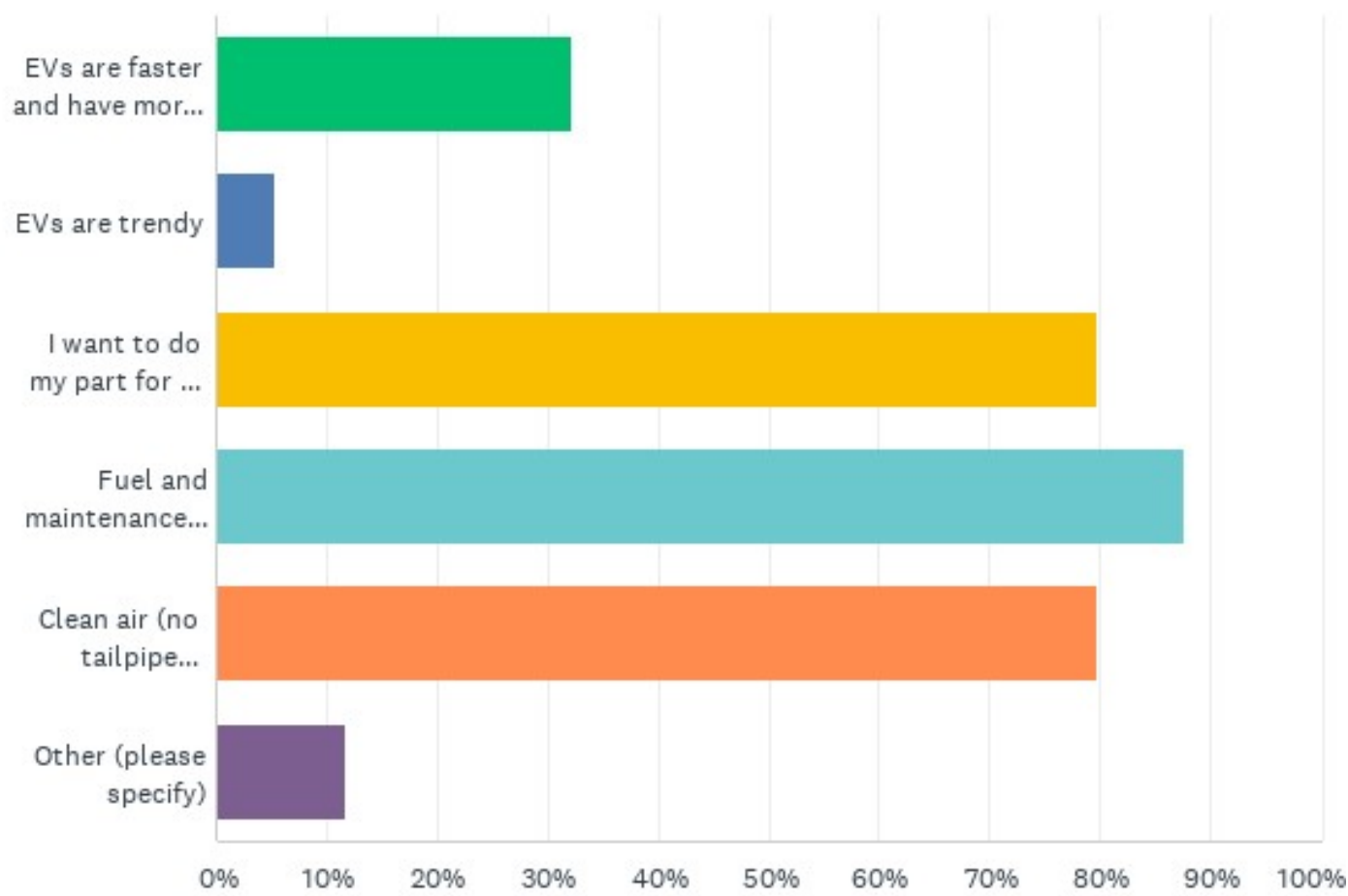
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Answered: 581    Skipped: 812

ANSWER CHOICES	RESPONSES	
Lack of knowledge about EVs	7.75%	45
Purchase price	66.44%	386
Lack of access to charging stations	56.80%	330
Lack of range for long trips	71.08%	413
The time it takes to charge an EV	56.11%	326
It is a unproven technology / it may cost more to fix	47.16%	274
Not sure	0.69%	4
Other (please specify)	34.08%	198
Total Respondents: 581		

**Q5: What were your main reasons you decided to select an EV in the last question? (Select all that apply)**

Answered: 782   Skipped: 611



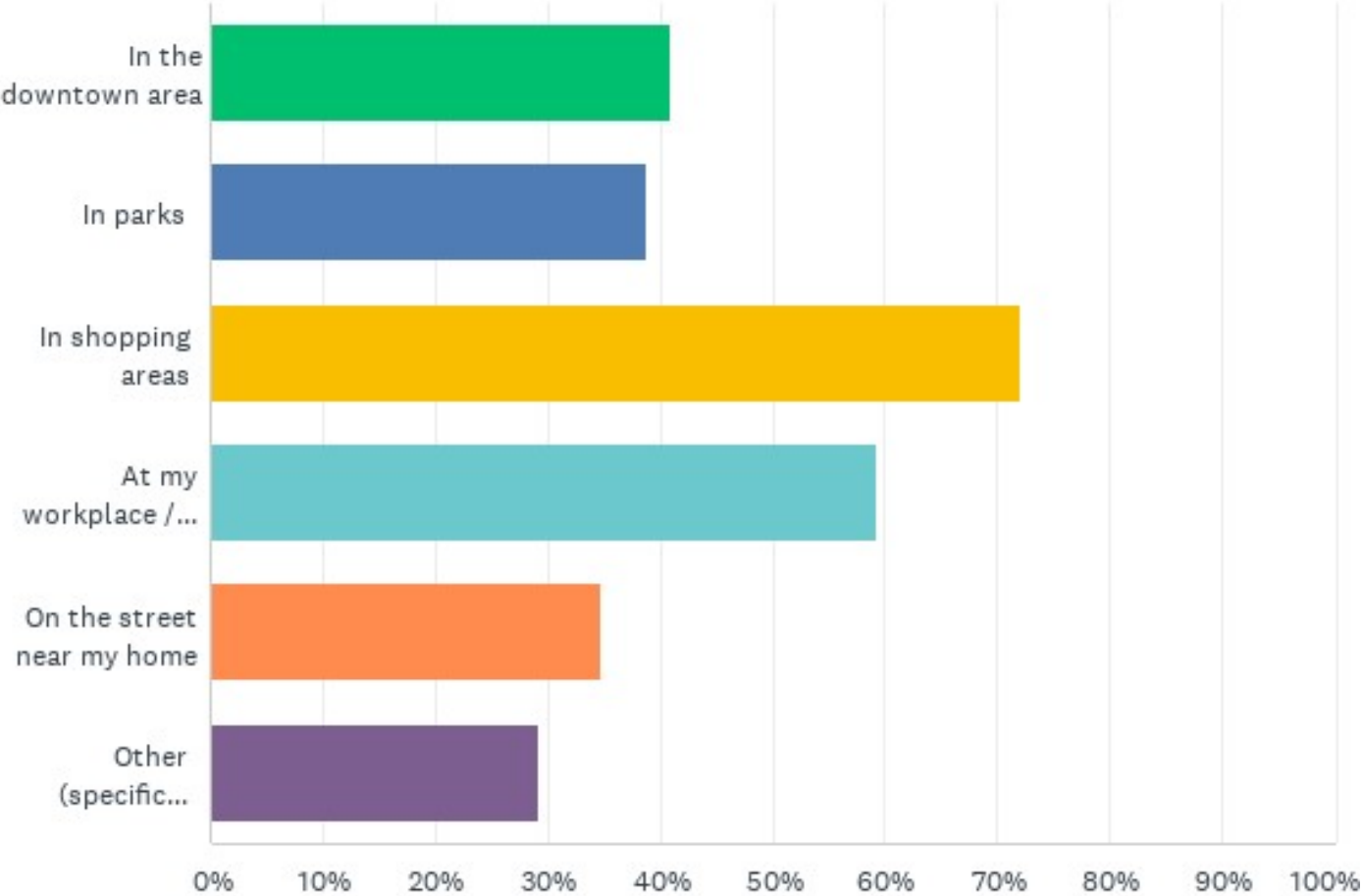
**Q5: What were your main reasons you decided to select an EV in the last question? (Select all that apply)**

Answered: 782   Skipped: 611

ANSWER CHOICES	RESPONSES	
EVs are faster and have more features	32.10%	251
EVs are trendy	5.24%	41
I want to do my part for the environment	79.80%	624
Fuel and maintenance savings	87.60%	685
Clean air (no tailpipe emissions)	79.80%	624
Other (please specify)	11.76%	92
Total Respondents: 782		

**Q6: Access to EV charging stations is sometimes a concern for someone wanting to buy an EV. The City is planning to install 500 EV charging stations in the next 5 years. If you own or did own an EV, where would you most like to see public charging locations? (Select all that apply)**

Answered: 1,325 Skipped: 68



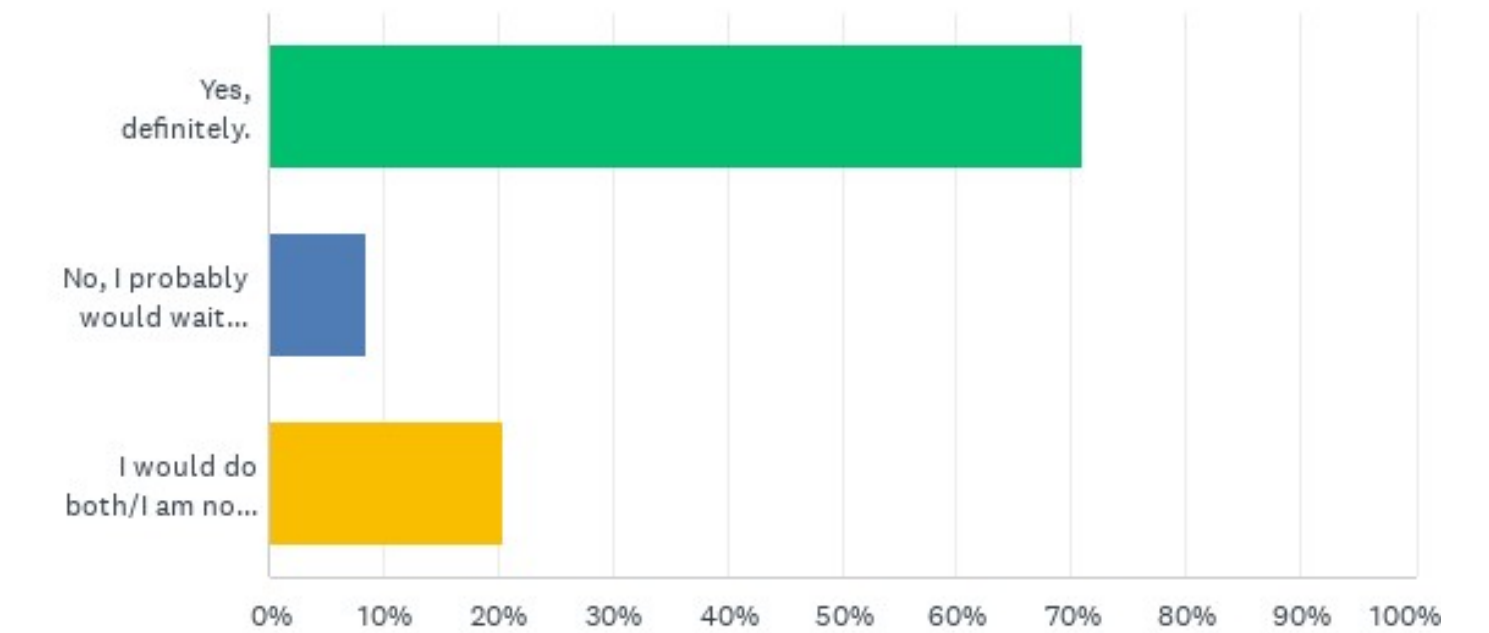
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Answered: 1,325   Skipped: 68

ANSWER CHOICES	RESPONSES	
In the downtown area	40.98%	543
In parks	38.87%	515
In shopping areas	72.00%	954
At my workplace / school	59.17%	784
On the street near my home	34.72%	460
Other (specific locations)	29.28%	388
Total Respondents: 1,325		

**Q7: Because Arizona often has excess solar energy produced during the day, the City encourages daytime EV charging (rather than early evening when many people arrive home). If you owned an EV and your employer or school offered free charging, would that encourage you to do the majority of your EV charging on days you drive in?**

Answered: 1,265 Skipped: 128



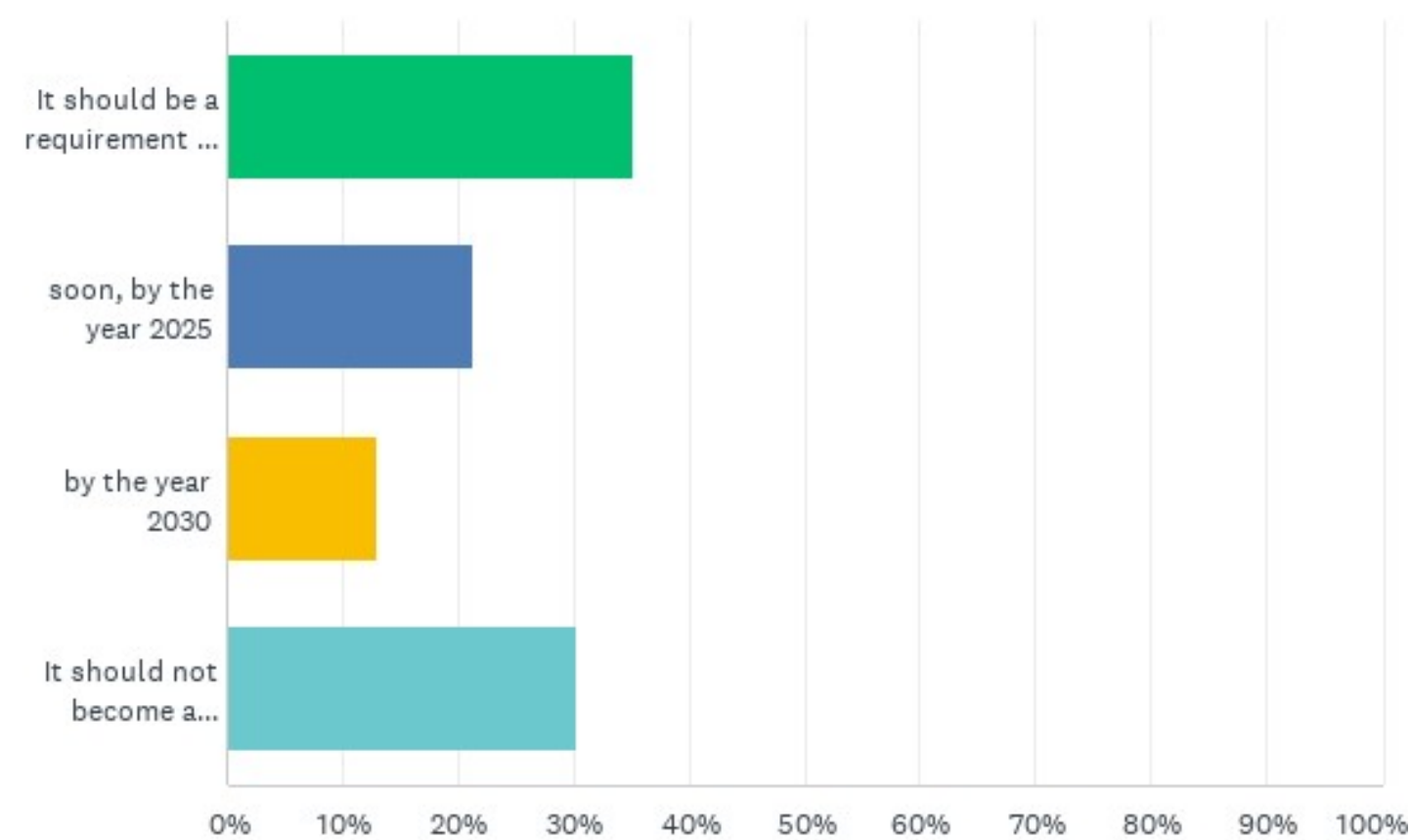
**Q7: Because Arizona often has excess solar energy produced during the day, the City encourages daytime EV charging (rather than early evening when many people arrive home). If you owned an EV and your employer or school offered free charging, would that encourage you to do the majority of your EV charging on days you drive in?**

Answered: 1,265 Skipped: 128

ANSWER CHOICES	RESPONSES	
Yes, definitely.	71.07%	899
No, I probably would wait until I got home.	8.54%	108
I would do both/I am not sure.	20.40%	258
TOTAL		1,265

**Q8: Even with workplace charging, most EV owners still need to charge at home. If you were in the market to purchase a new single family home, by what year would you expect all new homes to have capacity for EV charging?**

Answered: 1,297   Skipped: 96





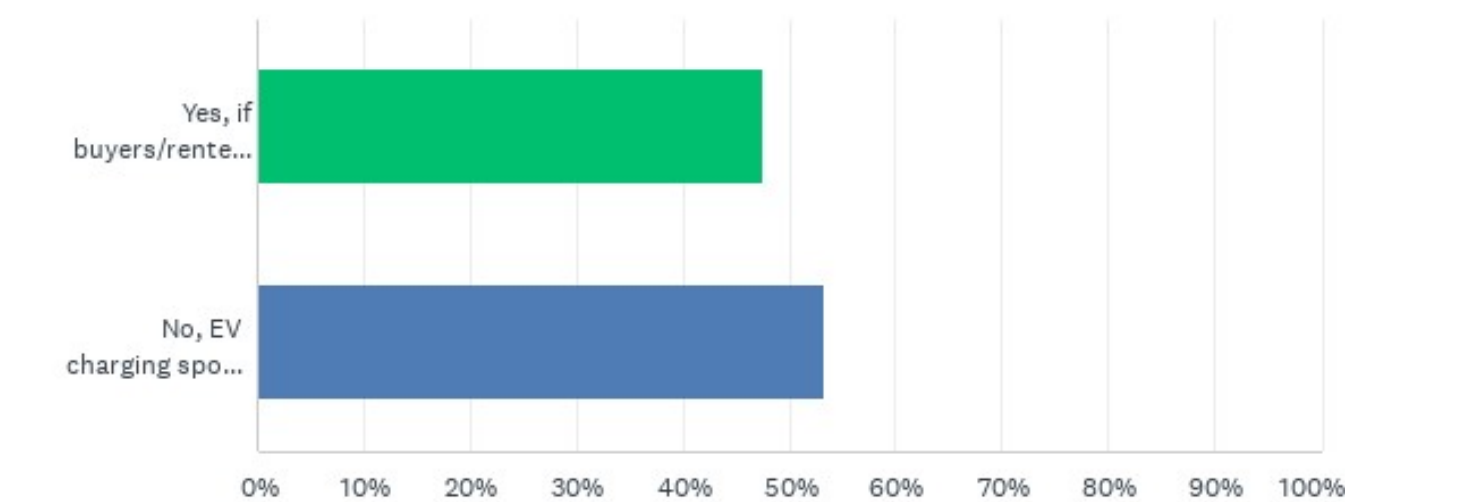
**Q8: Even with workplace charging, most EV owners still need to charge at home. If you were in the market to purchase a new single family home, by what year would you expect all new homes to have capacity for EV charging?**

Answered: 1,297    Skipped: 96

ANSWER CHOICES	RESPONSES	
It should be a requirement for all new homes today.	35.24%	457
soon, by the year 2025	21.36%	277
by the year 2030	13.03%	169
It should not become a requirement for newly built homes.	30.38%	394
TOTAL		1,297

**Q9: In new multi-family buildings, installing EV charging in a large number of parking stalls can be expensive. Do you think the cost of having access to EV charging in multi-family buildings should result in a fee to residents who use them?**

Answered: 1,265 Skipped: 128



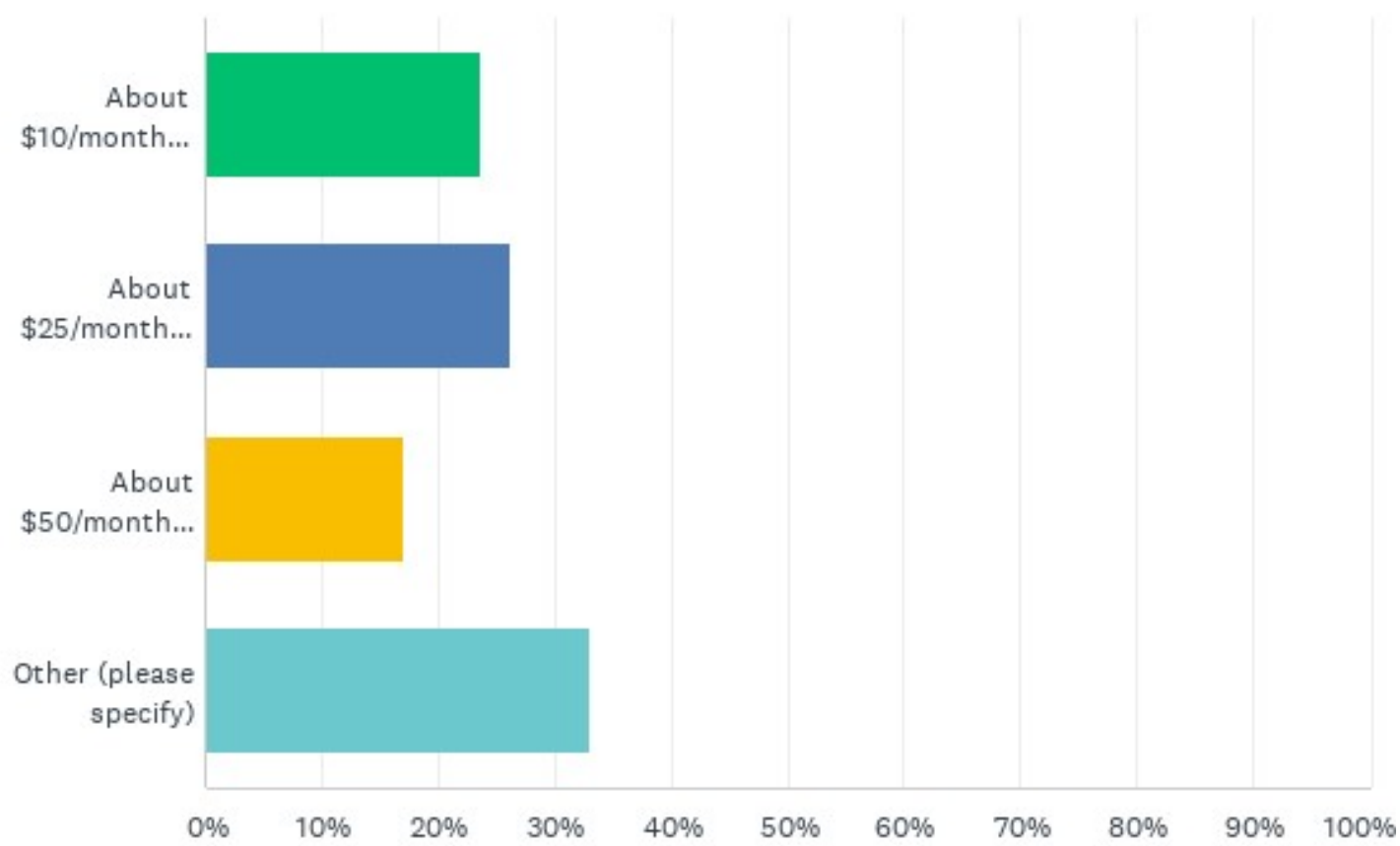
**Q9: In new multi-family buildings, installing EV charging in a large number of parking stalls can be expensive. Do you think the cost of having access to EV charging in multi-family buildings should result in a fee to residents who use them?**

Answered: 1,265 Skipped: 128

ANSWER CHOICES	RESPONSES	
Yes, if buyers/renters want access to an EV charging stall, they should pay a little extra.	47.51%	601
No, EV charging spots should be treated like any other amenity in the building (like a pool or fitness room)	53.36%	675
Total Respondents: 1,265		

**Q10: If you think buyers/renters should "pay a little extra" to cover the cost of installing and maintaining the EV charging stalls, what would you expect that monthly cost to be? (For comparison, the average car owner spends about \$2,400/year on gasoline)**

Answered: 643    Skipped: 750



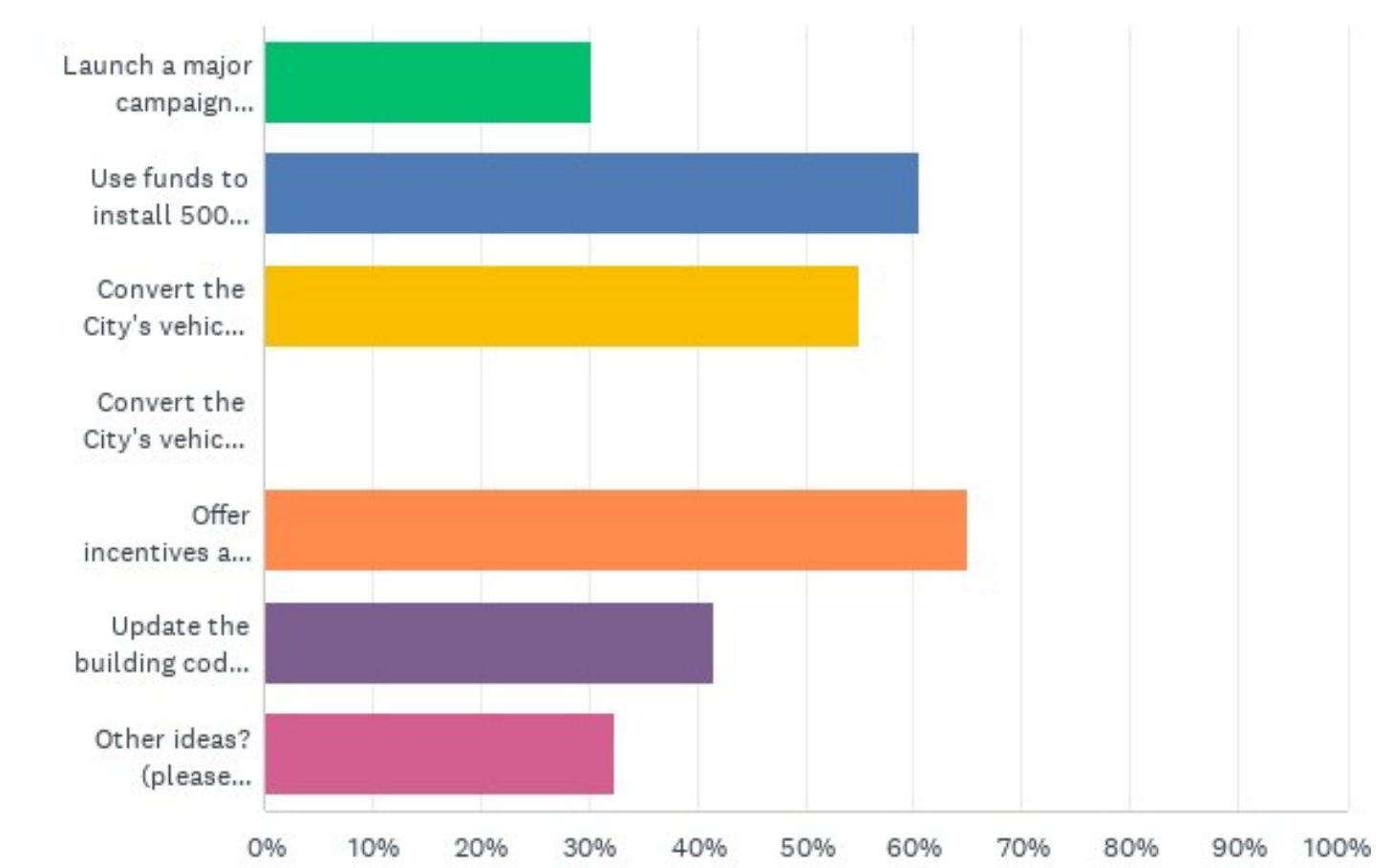
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Answered: 643    Skipped: 750

ANSWER CHOICES	RESPONSES	
About \$10/month (\$120/year)	23.64%	152
About \$25/month (\$300/year)	26.13%	168
About \$50/month (\$600/year)	17.11%	110
Other (please specify)	33.13%	213
TOTAL		643

**Q11: A primary source of greenhouse gas emissions in Phoenix is gasoline and diesel vehicles, and the emissions are continuing to rise with population growth. Which are the most important actions the City should take to encourage the purchase of electric vehicles? (Choose all the apply)**

Answered: 1,272    Skipped: 121



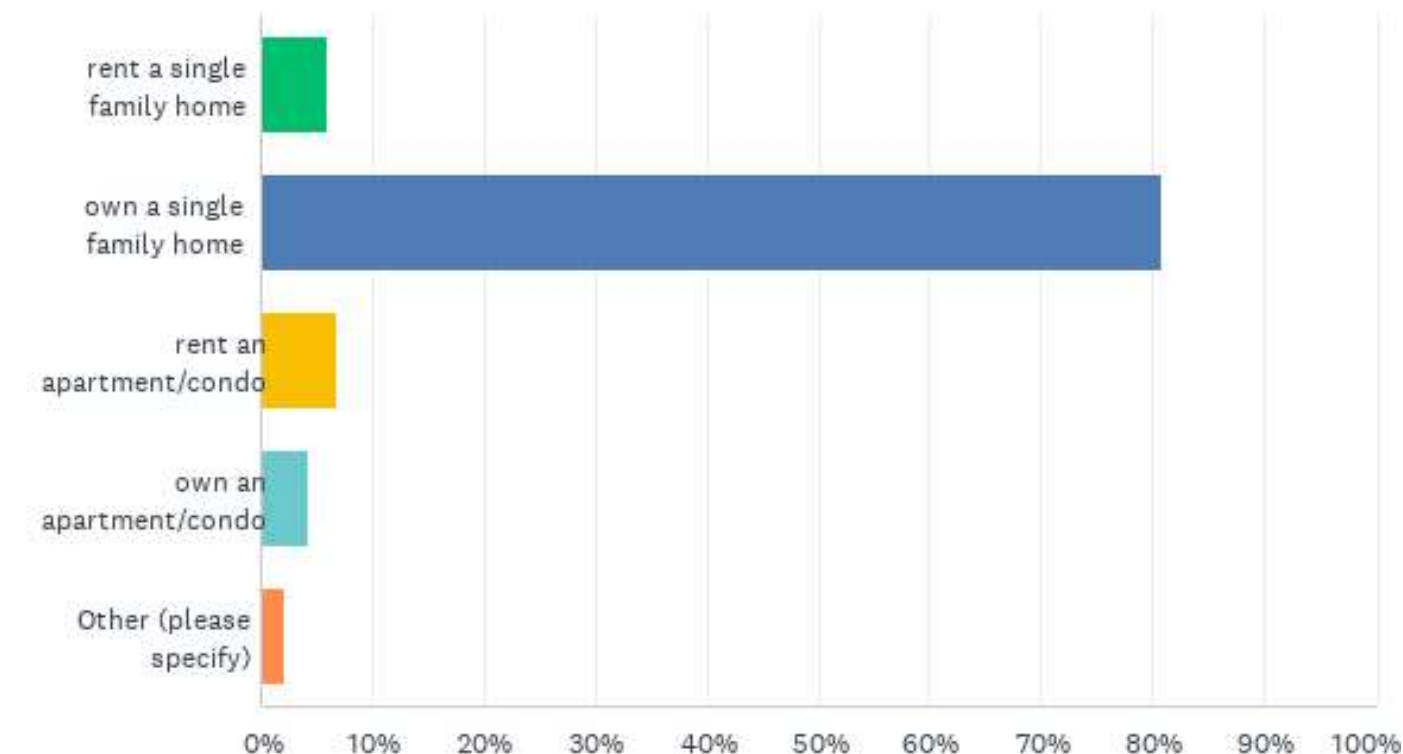
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Answered: 1,272    Skipped: 121

ANSWER CHOICES	RESPONSES	
Launch a major campaign promoting EVs	30.27%	385
Use funds to install 500 Public EV Charging Stations	60.53%	770
Convert the City's vehicle fleet as soon as possible	54.95%	699
Convert the City's vehicle fleet in the next 15 years.	0.00%	0
Offer incentives and promotions for the purchase of an EV.	65.02%	827
Update the building code to require EV charging in new homes	41.67%	530
Other ideas? (please specify)	32.39%	412
Total Respondents: 1,272		

Q12: At your current residence, do you or your family:

Answered: 1,281 Skipped: 112





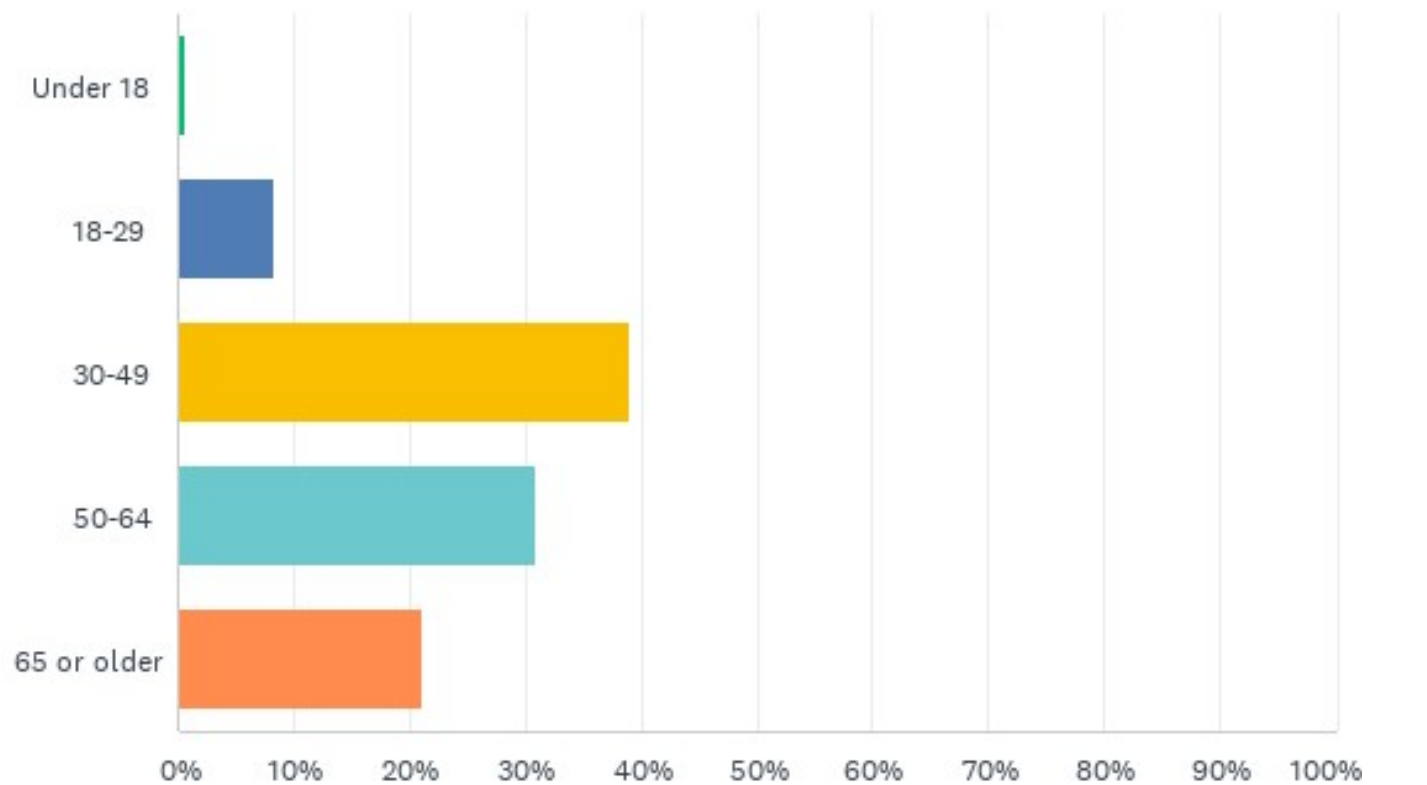
# Q12: At your current residence, do you or your family:

Answered: 1,281    Skipped: 112

ANSWER CHOICES	RESPONSES	
rent a single family home	6.01%	77
own a single family home	80.87%	1,036
rent an apartment/condo	6.79%	87
own an apartment/condo	4.29%	55
Other (please specify)	2.03%	26
TOTAL		1,281

# Q14: What is your current age?

Answered: 1,262    Skipped: 131



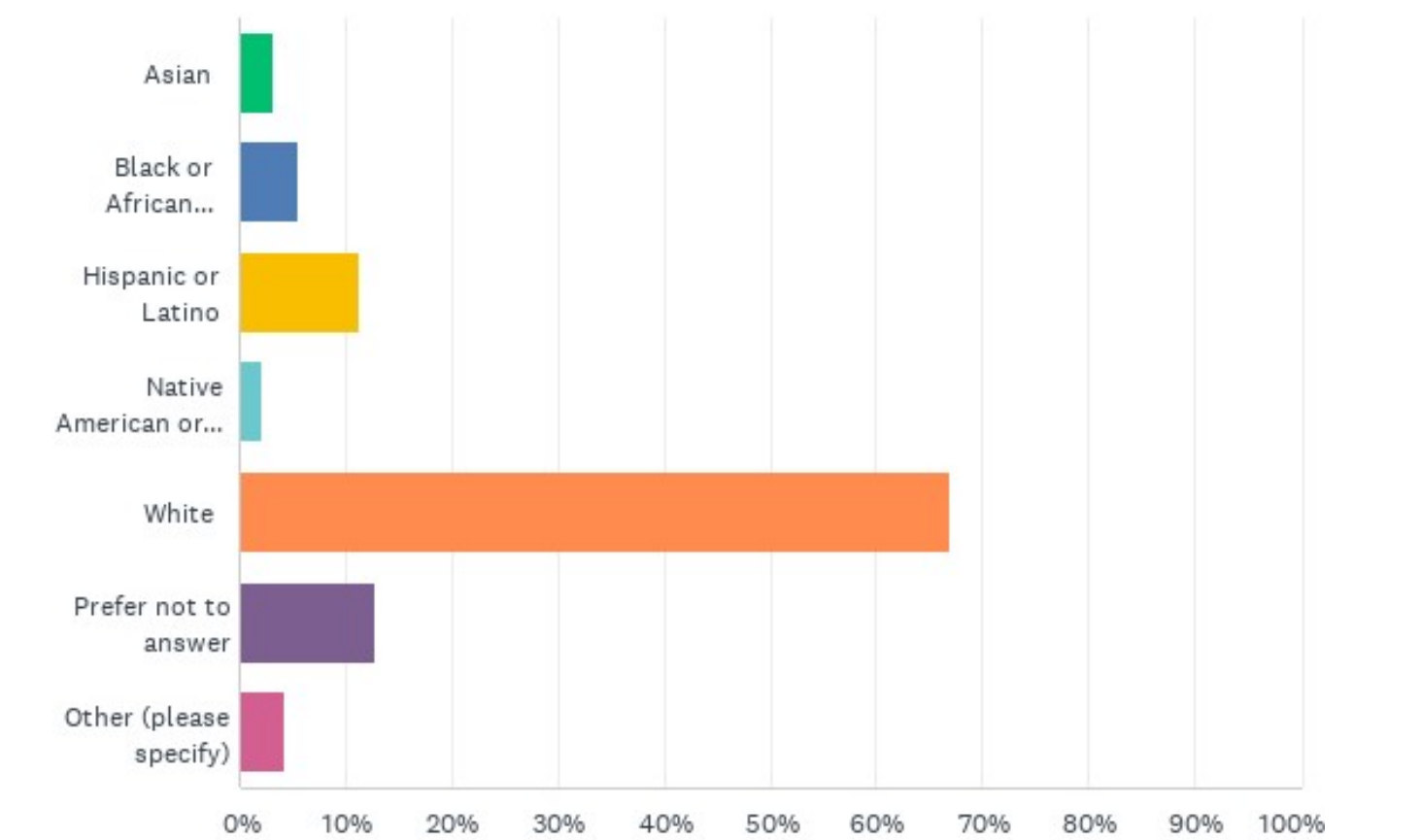
# Q14: What is your current age?

Answered: 1,262    Skipped: 131

ANSWER CHOICES	RESPONSES	
Under 18	0.55%	7
18-29	8.40%	106
30-49	39.06%	493
50-64	30.90%	390
65 or older	21.08%	266
TOTAL		1,262

## Q15: Which of the following best describes you?

Answered: 1,274    Skipped: 119



**\*Note: These results for respondents to the English Survey. When combined with the Hispanic survey, the percentage of Hispanic or Latino responses increases.**

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## Q15: Which of the following best describes you?

Answered: 1,274   Skipped: 119

ANSWER CHOICES	RESPONSES	
Asian	3.22%	41
Black or African American	5.57%	71
Hispanic or Latino	11.30%	144
Native American or Alaska Native	2.20%	28
White	66.95%	853
Prefer not to answer	12.79%	163
Other (please specify)	4.24%	54
Total Respondents: 1,274		

**\*Note: These results for respondents to the English Survey. When combined with the Hispanic survey, the percentage of Hispanic or Latino responses increases.**