

2022 Pleasanton Commuter Survey

*Results of Studies Conducted From
June 12-July 31, 2022*

Curt Below, Miranda Everitt, and Denny Han



CONTENTS

1	METHODOLOGY.....	1
2	GEOGRAPHY OF RESPONDENTS.....	2
3	COMMUTE DISTANCE AND ROUTES.....	4
4	STOPS EN ROUTE TO AND FROM WORK.....	6
5	COMMUTE SCHEDULE.....	9
6	REMOTE WORK AND TELECOMMUTING.....	11
7	COMMUTE METHODS.....	12
8	COMMUTE BUDGETING.....	15
9	PRIVATE VEHICLE USAGE.....	16
10	ENCOURAGING ALTERNATIVES TO DRIVING.....	18
11	CONCLUSIONS.....	24

APPENDICES

APPENDIX A	QUESTIONNAIRES.....	25
APPENDIX B	LIST OF PARTICIPATING COMPANIES.....	44
APPENDIX C	INDIVIDUAL COMPANY SURVEY SUMMARIES.....	46

1 METHODOLOGY

FM3 Research conducted two concurrent studies to understand commute preferences of Pleasanton residents and workers.

From June 12-23, 2022, FM3 completed 325 online and telephone (landline and wireless) interviews with employed adult Pleasanton residents. Interviews were conducted in English, Spanish, and Chinese. The margin of error for that study is +/-5.4% at the 95% confidence level.

From June 12-July 31, 2022, FM3 also interviewed 500 adult employees of local Pleasanton businesses, as well as city government. The sample for this survey was made up of employees of whom their organization opted to participate. Businesses involved include: Astex Pharmaceuticals, DoubleTree by Hilton Pleasanton, Roche Molecular Systems, Kaiser Permanente, 10x Genomics, Stanford Health Care Valley Care, and City of Pleasanton. Employers had a choice in having their employees take the survey online or on paper; in total, 26 took the survey on paper. To take the survey online, employers were provided with separate unique URLs, which were sent out internally to employees. This survey population includes non-Pleasanton residents.

Due to rounding, not all totals will sum to 100%. The questionnaires for both populations only differ slightly, with differences noted where relevant in this report. Both 2022 surveys were based on previous surveys conducted in 2017 by Valerie Brock Consulting. FM3 Research also worked with City Staff over the course of several meetings and drafts to develop new questions that would better reflect the state of transportation in Pleasanton in 2022, particularly in light of the COVID-19 pandemic and the increased prevalence of remote work. In the interest of presenting results parsimoniously, not all data will be compared to the previous study.

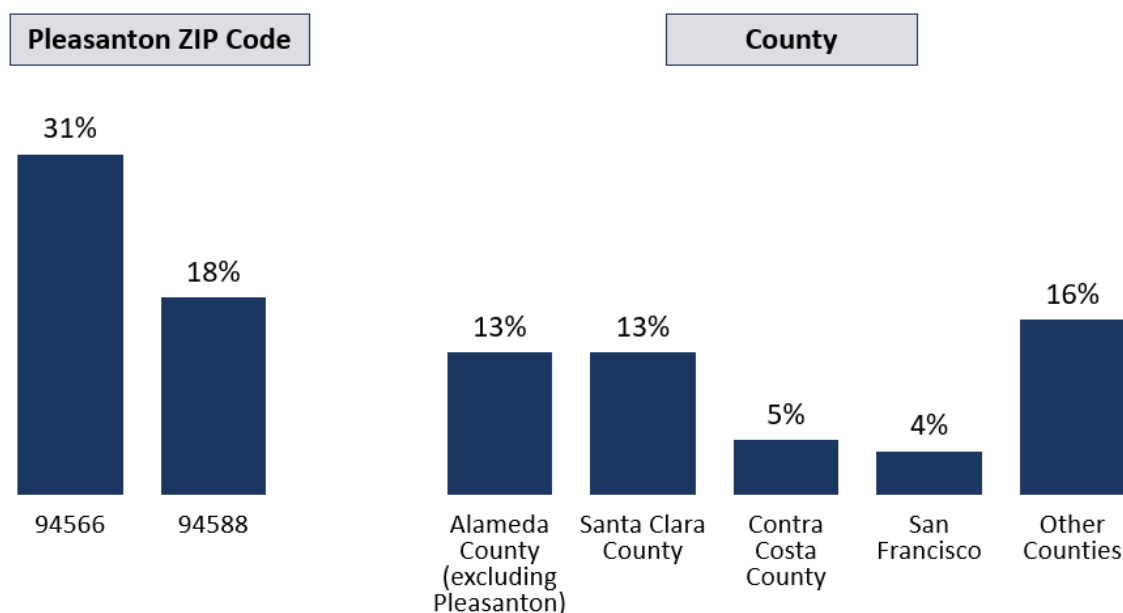
2 GEOGRAPHY OF RESPONDENTS

In the residential survey, respondents were asked to input their work ZIP code. The results of this are shown in Figure 1 as outgoing commute patterns. Pleasanton's two ZIP codes -- 94588 and 94566 -- make up 49% of residents' work destinations. In-city travel accounts for a plurality of residents' commutes. Thirteen percent of respondents are employed in Alameda County outside of Pleasanton. The most common of these Alameda County destinations ($\geq 1\%$ of all destinations) are Fremont (3%), Livermore (3%), Dublin (3%), Oakland (2%), and Hayward (1%). The cities of Castro Valley, Danville, Walnut Creek, Emeryville, San Leandro, Sunol, Antioch, Concord, Discovery, Martinez, and Richmond each make up $<1\%$ of all destinations. In total, 62% are employed in Alameda County.

Thirteen percent are employed in Santa Clara County. Destinations in this County include San Jose (4%), Mountain View (2%), Milpitas (2%), Santa Clara (2%), and Sunnyvale (2%), and Palo Alto ($<1\%$). Another 5% are employed in Contra Costa County, and 4% employed in San Francisco. Counties grouped within the "Other" category are each represented by $<3\%$ of respondents.

Figure 1: Outgoing Commute Patterns

What is your work ZIP code?



In the business survey, respondents were asked to input their home ZIP code. As all respondents for this survey are employed in Pleasanton, the results of this question represent incoming commute patterns (Figure 2). Eighteen percent of employees that work in Pleasanton also reside here. Nine percent are arriving from nearby Dublin and 30% from other cities in Alameda County. Individual cities aside from Pleasanton and Dublin are not illustrated in Figure 2 due to those cities making up significantly smaller percentages. The breakdown of Alameda origin cities not depicted is as follows: Livermore (7%), Fremont (5%), Oakland (5%), Castro Valley (3%), San Leandro (2%), and Union City (2%); Alameda, Berkeley, and Emeryville each account for $<1\%$. Excluding Pleasanton residents, Alameda County cities account for 39% of incoming traffic into Pleasanton.

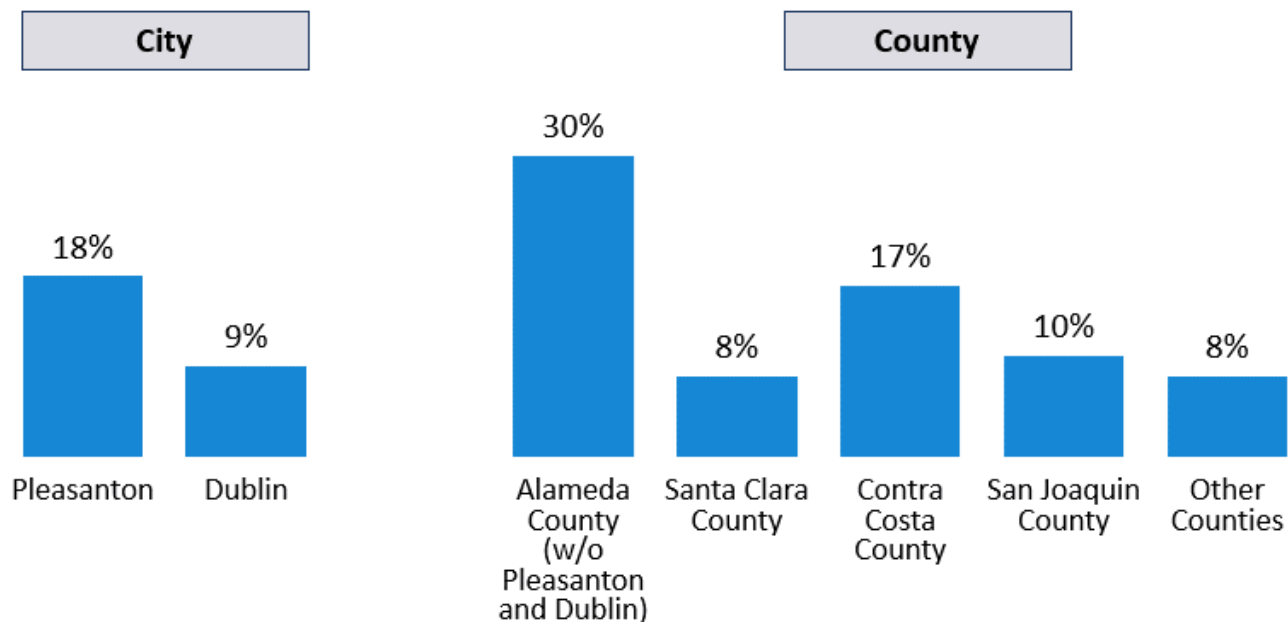
Outside of Alameda County, Contra Costa County accounts for 17% of origin cities. This includes San Ramon (6%), Danville (3%), Concord (2%), and Brentwood (1%); Walnut Creek, Pleasant Hill, Martinez, Antioch, Oakley, Pittsburg, Moraga, Alamo, El Cerrito, Pioneer, Clayton, Lafayette, Pinole, and Richmond each make up <1% of origin cities.

San Joaquin County makes up 10% of origin cities. This traffic is made up with Tracy (5%), Stockton (1%), Lathrop (1%), Ripon (<1%), and Escalon (<1%). Eight percent of origins are in Santa Clara, made up by San Jose (6%), Milpitas (2%), Mountain View (1%), Palo Alto (<1%), Sunnyvale (<1%), and Cupertino (<1%).

Counties grouped within the "Other" category are each represented by ≤3% of respondents. These include the Counties of San Mateo (3%), Stanislaus (<1%), Amador (<1%), Monterey (<1%), Marin (<1%), Placer (<1%), San Luis Obispo (<1%), Solano (<1%), and Yolo (<1%).

Figure 2: Incoming Commute Patterns

What is your home ZIP code?



3 COMMUTE DISTANCE AND ROUTES

Residents and employees travel a wide range of commute distances, though commutes under five miles are most common (30% of residents and 24% of employees). Employees are more likely to travel 5.1-15 miles than residents (27% of employees to 15% of residents). Beyond that, as shown in Figure 3, residents and employees travel largely similar distances for work. The median distance traveled by residents is 20 miles, while the mean is 28.7 miles due to a smaller number of outliers. The median commute distance for employees is 15 miles, while the mean is 20 miles.

Figure 3: Work Commute Distance

What is the approximate distance one-way from your home to work in miles?

Distance	Residents	Employees
≤5 miles	30%	24%
5.1-15 miles	15%	27%
15.1-25 miles	18%	17%
25.1-35 miles	22%	17%
35.1+ miles	16%	14%

As shown in Figure 4, Bernal Avenue is the most common street for resident use to commute to and from work (26%). Next, Santa Rita Road (20%) and Hopyard Road (15% to work and 14% going home) are commonly used by residents. For employees, Stoneridge Drive is used most (34% going to work and going home), followed by Santa Rita Road (19% going to work and 16% going home) and Hacienda Drive (14% going to work and 15% going home). Overall, the streets most likely to see traffic are Bernal Avenue, Stoneridge Drive, Santa Rita Road, and Hopyard Road. Foothill Road is more likely used by residents (10% of residents going both directions, compared to 4-5% of employees going both directions). Sunol Boulevard and Stanley Boulevard are the least likely to be used by residents or employees.

Figure 4: Most Used Streets

*What primary Pleasanton street do you use on your way to work?
 What primary Pleasanton street do you use on your way home from work?*

Residents		
Street	Going to Work	Going Home
Bernal Avenue	26%	26%
Santa Rita Road	20%	20%
Hopyard Road	15%	14%
Stoneridge Drive	12%	10%
Foothill Road	10%	10%
Sunol Boulevard	8%	8%
Stanley Boulevard	4%	4%
Hacienda Drive	3%	3%
Vineyard Avenue	3%	5%

Employees		
Street	Going to Work	Going Home
Stoneridge Drive	34%	34%
Santa Rita Road	19%	16%
Hacienda Drive	14%	15%
Hopyard Road	12%	11%
Bernal Avenue	9%	9%
Stanley Boulevard	7%	8%
Foothill Road	4%	5%
Sunol Boulevard	1%	1%
Vineyard Avenue	0%	1%

Most of Pleasanton's freeway access comes from I-680 based on survey responses. I-680's Bernal Avenue interchange is most used by residents (23% as noted in Figure 5). Residents are also more likely to use I-680 at Sunol Boulevard than employees (16% of residents compared to 2% of employees). Employees are most likely to use I-680 at Stoneridge Drive. Santa Rita Road is I-580's most used interchange by both groups (11% of residents and 16% of employees). The least used interchanges are I-580 at Hacienda Drive, I-580 at Hopyard Road, and I-580 at Foothill Road.

Figure 5: Use of Freeway Interchanges

Which of the following freeway interchanges do you use most often on your way to work?

Freeway Interchange	Residents	Employees
I-680 at Sunol Boulevard	16%	2%
I-680 at Bernal Avenue	23%	8%
I-680 at Stoneridge Drive	12%	24%
I-580 at Foothill Road	3%	5%
I-580 at Hopyard Road	4%	5%
I-580 at Hacienda Drive	2%	12%
I-580 at Santa Rita Road	11%	16%
Don't use freeway	27%	28%

4 STOPS EN ROUTE TO AND FROM WORK

Shopping and running errands are the most common stops residents and employees make on their way to or from work, followed by dropping off and picking up children. Stops, generally, are consistent throughout the workweek for both groups. The one exception is getting dinner or takeout on the way home on Friday nights. Figures 6 and 7 illustrate residents' morning and evening commutes, respectively. Figures 8 and 9 detail the same for employees.

Figure 6: Residents' Stop En Route To Work

Here are some reasons people have for stopping on their way to work. For each one, please select what days you regularly make that stop in Pleasanton on your way to work.

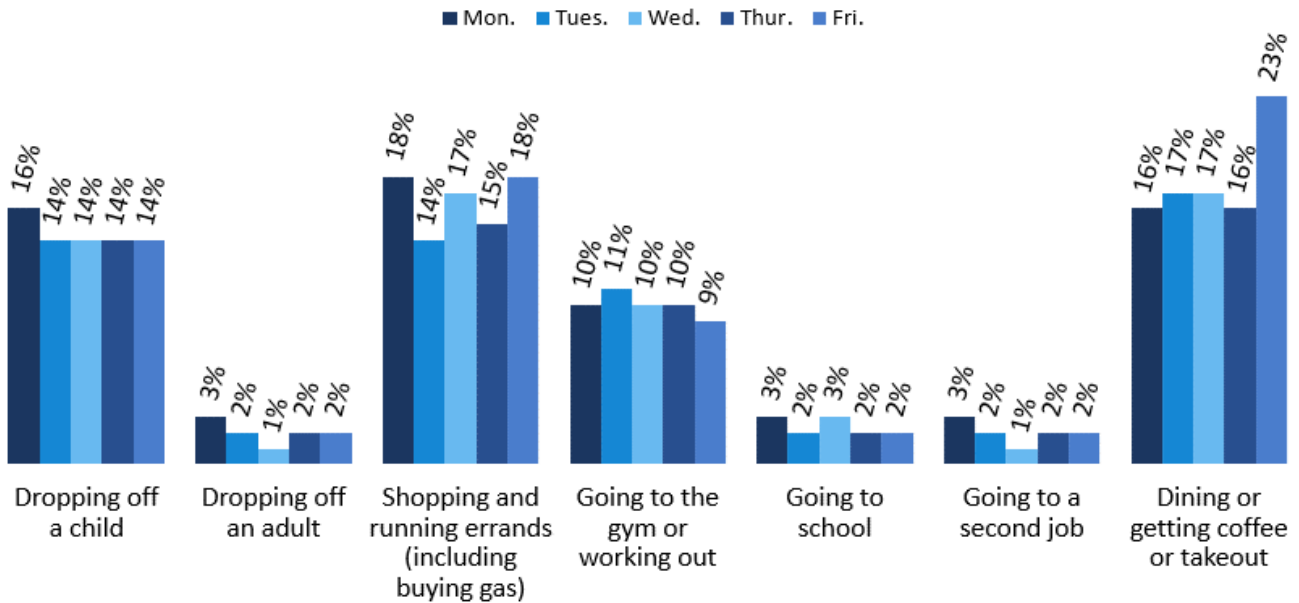


Figure 7: Residents' Stop En Route From Work

Here are some reasons people have for stopping in Pleasanton on their way home from work. Please select what days you regularly make that stop in Pleasanton on your way to work.

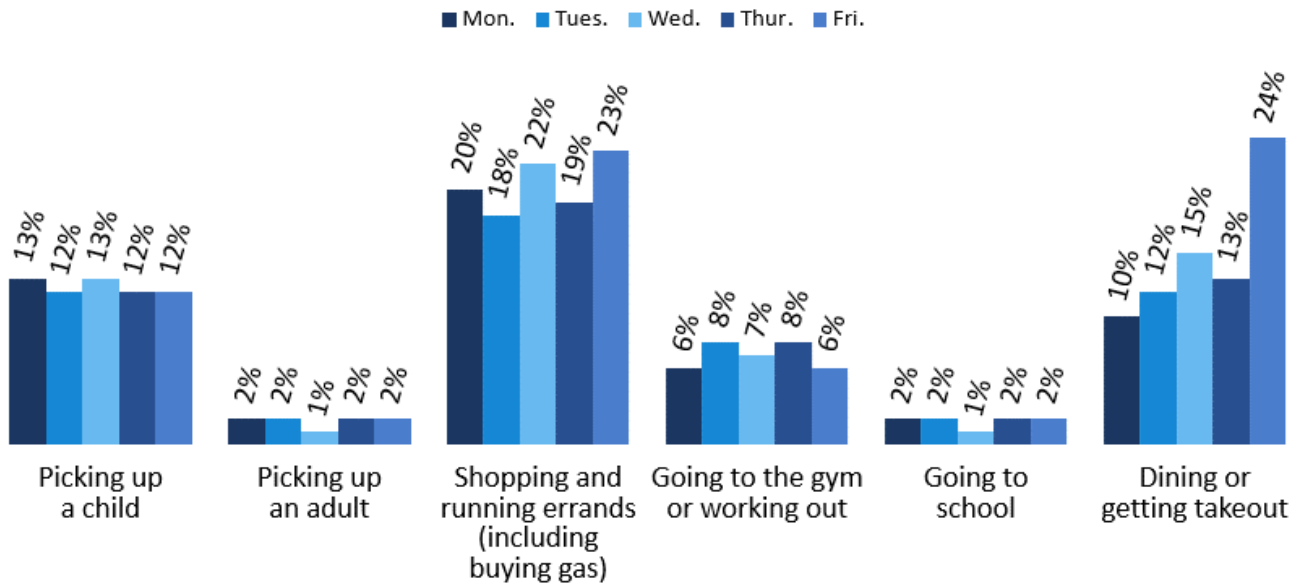


Figure 8: Employees' Stop En Route To Work

Here are some reasons people have for stopping on their way to work. For each one, please select what days you regularly make that stop in Pleasanton on your way to work.

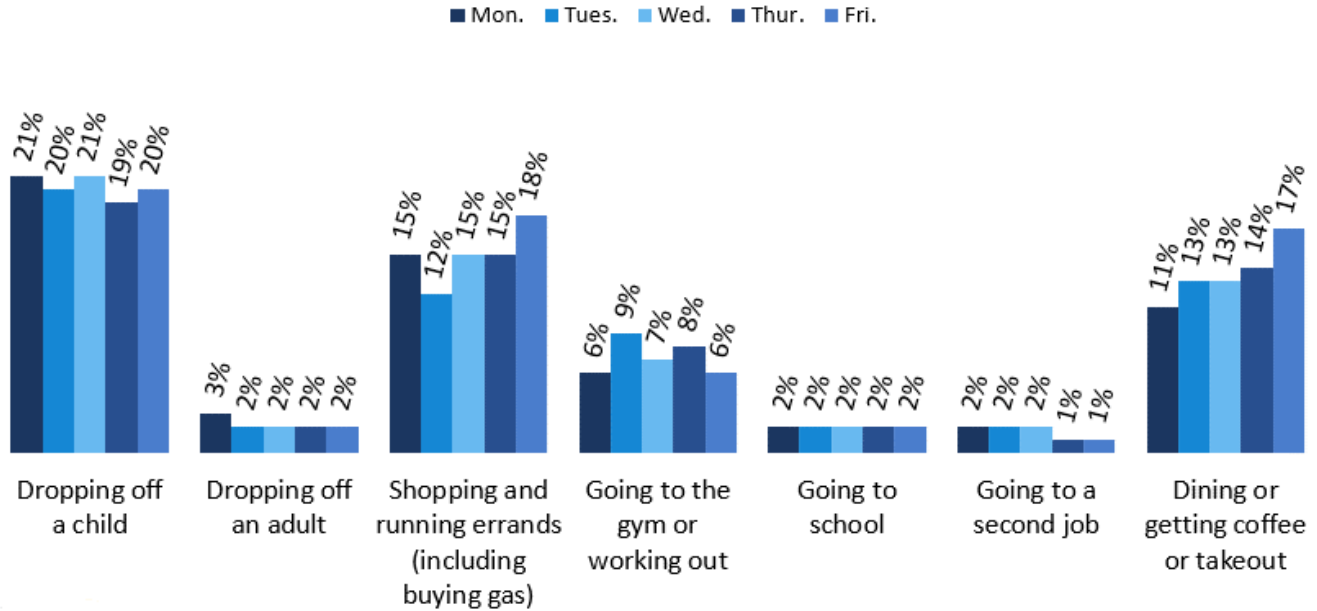
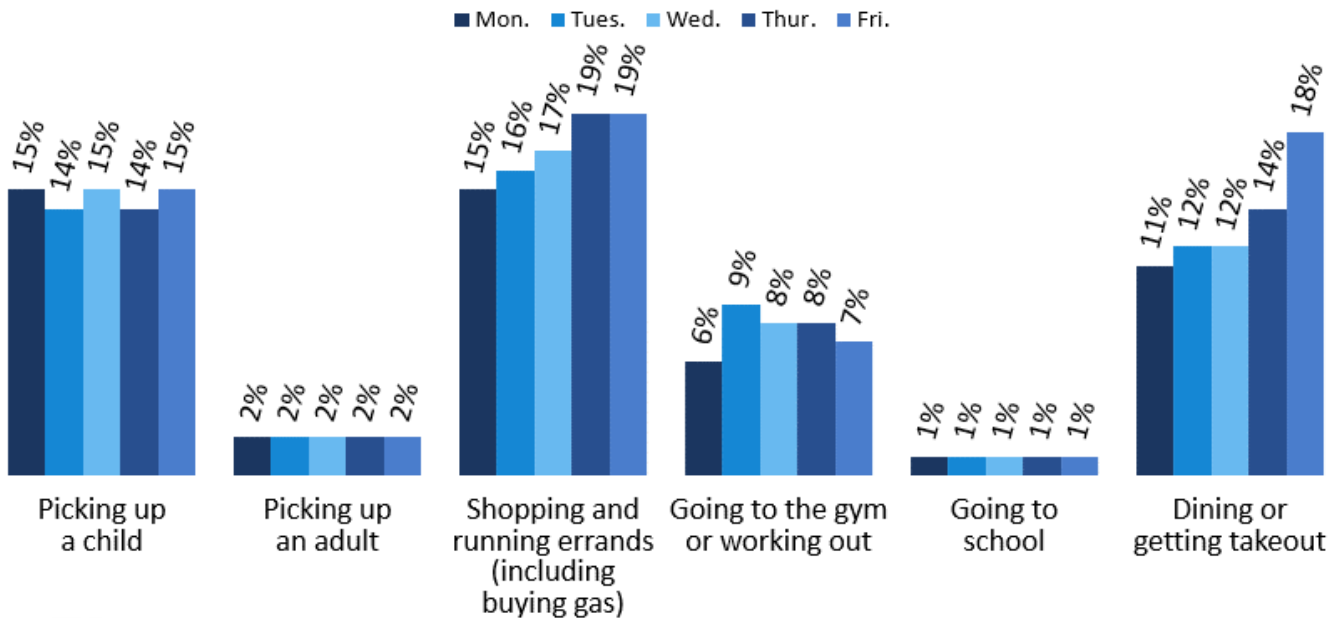


Figure 9: Employees' Stop En Route From Work

Here are some reasons people have for stopping in Pleasanton on their way home from work. Please select what days you regularly make that stop in Pleasanton on your way to work.

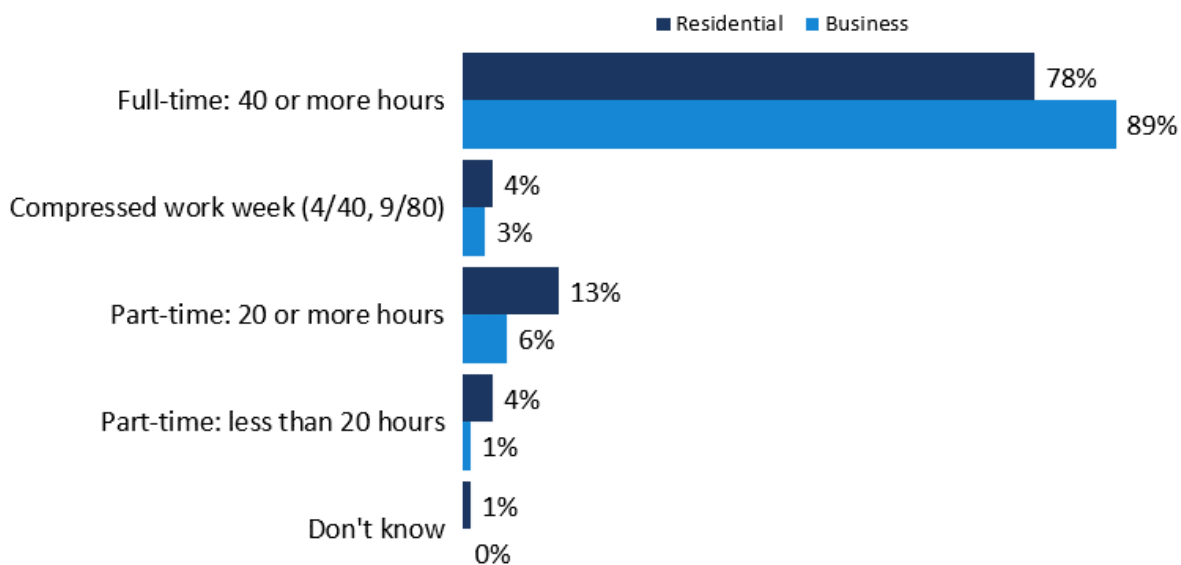


5 COMMUTE SCHEDULE

Most commuters are full-time workers. Seventy-eight percent of residents and 89% of employees work full-time schedules (Figure 10). While the last few years of the pandemic saw a rise in greater work schedule flexibility, compressed work week schedules are less common with only 3-4% of either group working such a schedule. Slightly fewer respondents from the employee survey work part-time (7% in total, compared to 17% of residents). This is possibly due to the nature of the companies that took part in the employee survey.

Figure 10: Work Schedules

What is your usual work schedule?



As seen in Figure 11, residents' travel times follow a bimodal distribution with most traveling either less than 15 minutes or between 30-59 minutes. Employees' commute times are most commonly 15-59 minutes (the majority, as noted in Figure 2, are coming from outside Pleasanton).

Figure 11: Work Commute Time

Approximately, how long does it take you to get to work on a typical day?

Commute Time	Residents	Employees
<15 minutes	32%	21%
15-29 minutes	17%	35%
30-59 minutes	32%	32%
60 minutes+	19%	12%

The most common start time for residents' work is 8:00-8:59 AM (Figure 12). The most common start time for the commute home is 5:00-5:59 PM. The hours between 7:00-9:59 AM and 4:00-5:59 PM are the busiest for commuting. Employees' commute times follow this same pattern (Figure 13).

Figure 12: Residents' Commute Times

*What time do you usually start work?
What time do you usually leave work?*

Work Start Time	%	Work Leave Time	%
Before 6:00 AM	5%	Before 3:00 PM	9%
6:00-6:59 AM	8%	3:00-3:59 PM	10%
7:00-7:59 AM	18%	4:00-4:59 PM	18%
8:00-8:59 AM	38%	5:00-5:59 PM	33%
9:00-9:59 AM	19%	6:00-6:59 PM	14%
10:00 AM or later	12%	7:00 PM or later	15%

Figure 13: Employees' Commute Times

*What time do you usually start work?
What time do you usually leave work?*

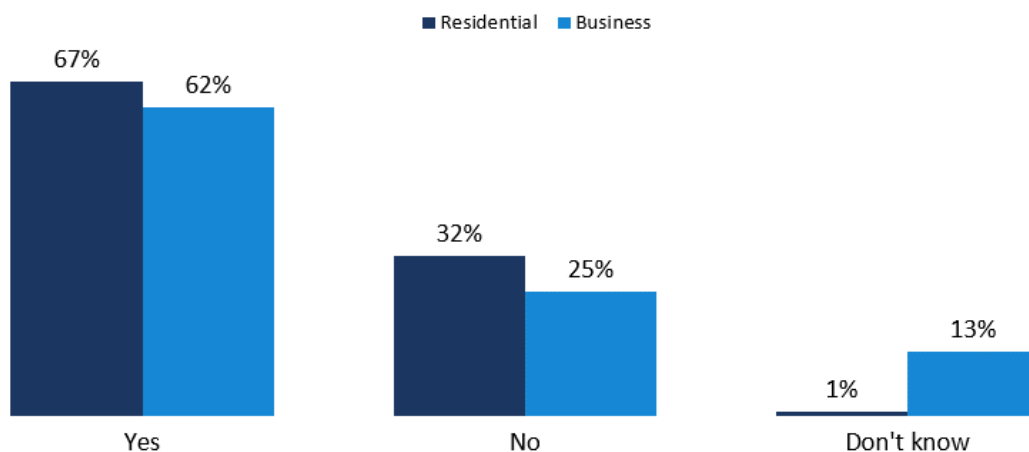
Work Start Time	%	Work Leave Time	%
Before 6:00 AM	1%	Before 3:00 PM	5%
6:00-6:59 AM	9%	3:00-3:59 PM	8%
7:00-7:59 AM	18%	4:00-4:59 PM	25%
8:00-8:59 AM	42%	5:00-5:59 PM	43%
9:00-9:59 AM	22%	6:00-6:59 PM	13%
10:00 AM or later	7%	7:00 PM or later	6%

6 REMOTE WORK AND TELECOMMUTING

Around two-thirds of residents (67%) and 62% of employees say their employer introduced or modified a remote work policy in response to the COVID-19 pandemic.

Figure 14: Remote Work Policy During Early Pandemic

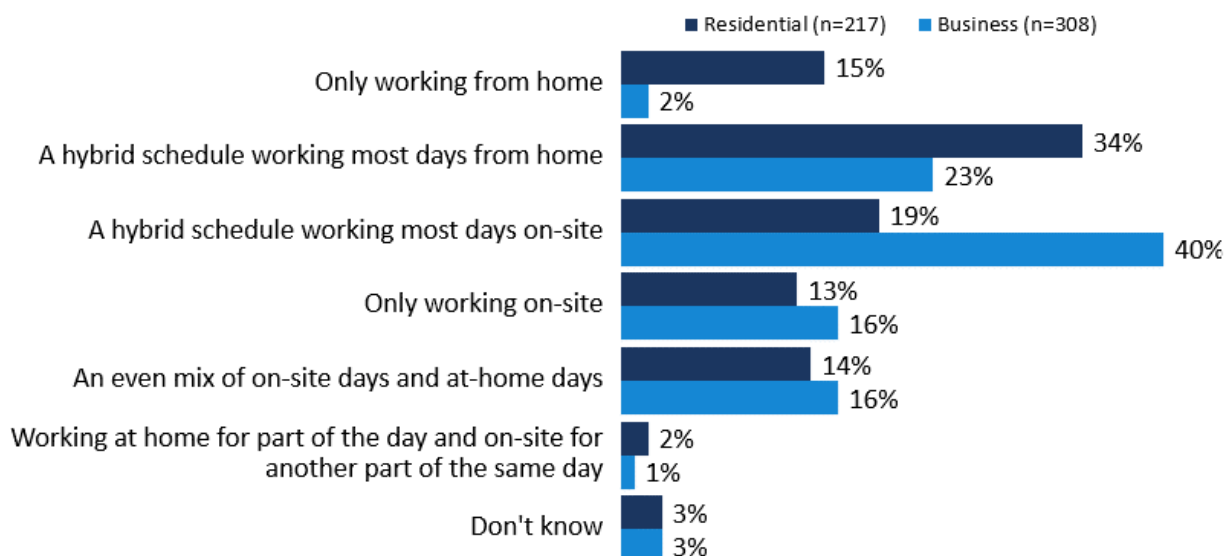
Did your employer introduce or modify an existing remote work policy in response to the COVID-19 pandemic?



Since then, a majority of residents (84%) and employees (83%) work some form of a remote or hybrid schedule -- whether that may be only working from home, spending some days of the week either at home or on-site, or splitting parts of the same day between the two. The most common hybrid schedule for residents is working most days from home (34%), while the most common hybrid schedule for employees is working most days on-site (40%).

Figure 15: Employers' Current Remote Work Policy

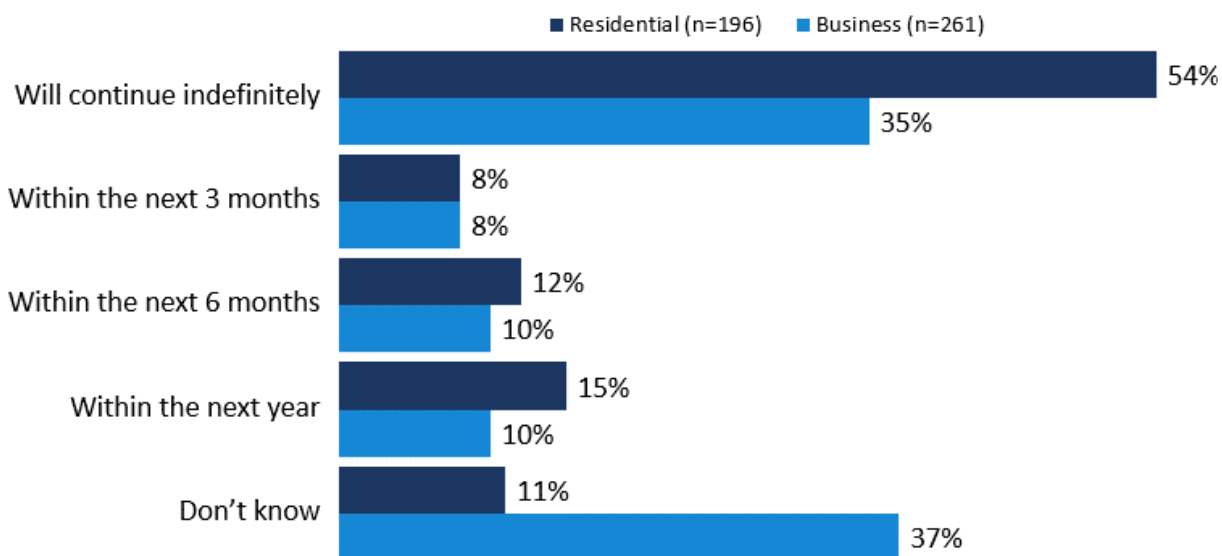
*And what does your employer's remote work policy look like now?
(Asked of respondents who said their employer introduced a remote work policy)*



Fifty-four percent of residents and 35% of employees believe their current remote work policies will continue for the foreseeable future. Thirty-five percent of residents and 28% of employees expect their policies to change within the next three months, next six months, or next year. Among those who believe the policy to change, the most common expectation is a change within the next year. Notably, among employees, 37% are unsure whether the policy will change.

Figure 16: Expectations for Remote Work Policy Change

Do you expect your employer's current remote work policy to continue indefinitely? If so, do you expect your employer's current remote work policy to change within the following timeframes?



7 COMMUTE METHODS

Driving is by far the most common commute method. On a weekly average, 64% of residents and 76% of employees drive to work alone. The notable outlier is on Friday, where the decrease in driving alone (59% in Figure 17 and 67% in Figure 18) is matched by an increase in working from home (to 23% in both Figures 17 and 18).

Compared to 2017, driving alone has largely decreased among residents. On average, 82% of residents drove weekly in 2017 compared to 64% in 2022. Employees are driving at the same rates (76%). Unsurprisingly, the share of telecommuters has increased dramatically for residents since 2017 -- from 2% on average for residents to 17%. Though not as large of a gap, employees saw an increase from 10% on average to 14%.

BART is the most common form of public transportation for residents -- between 5% of residents use BART throughout the week. This share is smaller among employees, where only 1% on average use BART. One percent of residents and employees use ACE and busses on average. Only 2% of residents and 1% of employees bike during the week. Residents are slightly more likely walk (3%) compared to employees (1%). Tri-Valley Wheels and vanpooling were also an available transit options, but 0% of residents and employees chose either and as such, are excluded from the tables on the next page.

Figure 17: Residents' Commute Methods

How do you usually travel to work each day of the week?

	Drive alone	Car-pool	BART	ACE	Bus	Bike	Walk	Motor-cycle	Ride-share	Other	Tele-commute
Average	64%	3%	5%	1%	1%	2%	3%	0%	1%	3%	17%
Monday	64%	3%	4%	2%	1%	2%	3%	0%	1%	3%	17%
Tuesday	65%	3%	7%	1%	1%	2%	3%	0%	1%	3%	14%
Wednesday	66%	2%	5%	1%	1%	1%	3%	0%	1%	2%	16%
Thursday	64%	3%	5%	2%	1%	2%	3%	0%	1%	4%	14%
Friday	59%	2%	4%	1%	0%	2%	3%	0%	1%	4%	23%

Figure 18: Employees' Commute Methods

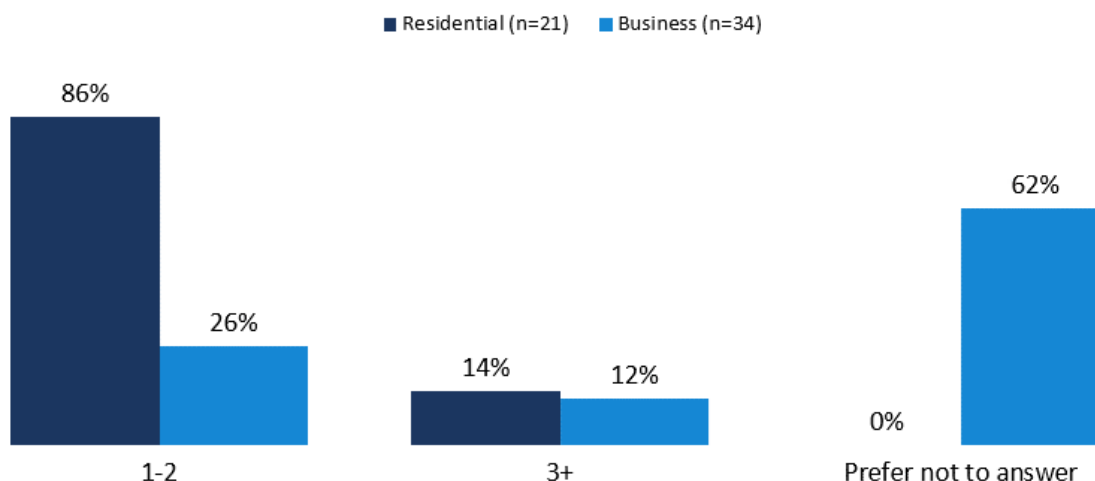
How do you usually travel to work each day of the week?

	Drive alone	Car-pool	BART	ACE	Bus	Bike	Walk	Motor-cycle	Ride-share	Other	Tele-commute
Average	76%	2%	1%	1%	1%	1%	1%	1%	0%	1%	14%
Monday	75%	2%	2%	1%	1%	1%	2%	1%	0%	1%	15%
Tuesday	80%	2%	1%	1%	1%	1%	1%	1%	0%	0%	11%
Wednesday	80%	2%	2%	2%	1%	1%	1%	0%	0%	1%	10%
Thursday	78%	2%	1%	1%	2%	1%	2%	1%	0%	0%	12%
Friday	67%	1%	1%	1%	1%	1%	1%	1%	0%	2%	23%

Of the few who commute by carpool, most have two people in the vehicle (including themselves). Only 14% of residents and 12% of employees carpool with three or more people in vehicle (Figure 19).

Figure 19: Carpool Capacity

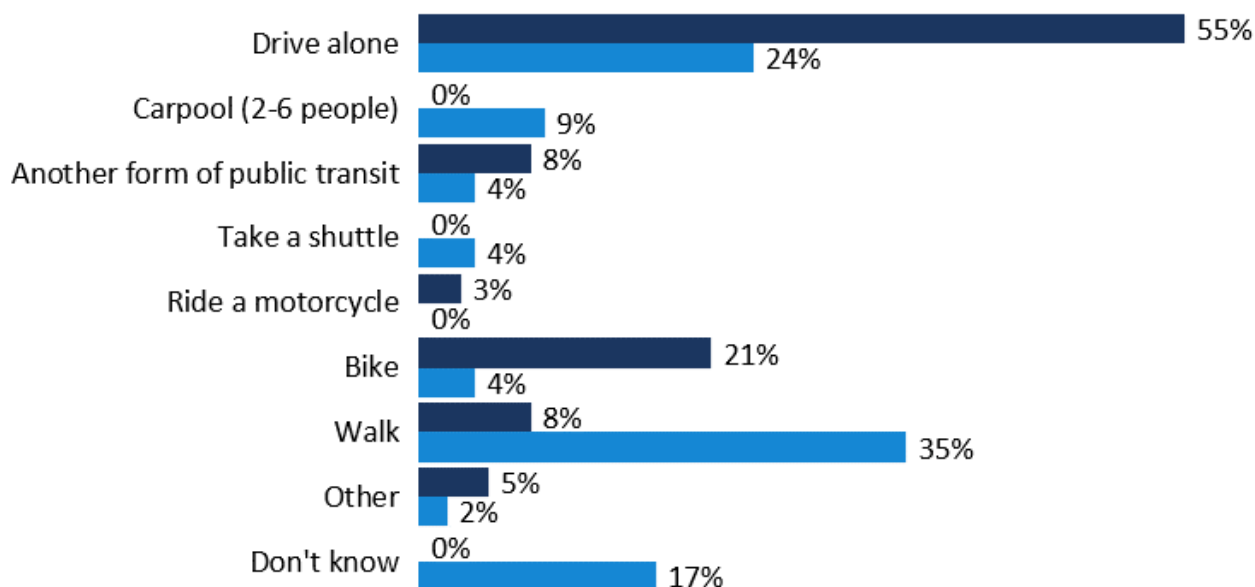
*If you commute to work in a carpool or vanpool, how many people are in the vehicle (including yourself?)
(Asked of those who carpool/vanpool any day of the week)*



Public transit users mostly drive to the public transit station or pick-up point. Residents are especially likely to drive (55% in Figure 20), though a noticeable share (21%) also use a bicycle. Employees are more much more likely to walk (35%).

Figure 20: Methods of Reaching Public Transit

*When commuting by public transit, how do you get to the transit station or pick-up point for your longest route?
(Asked of those who take public transit any day of the week)*



Uber is the most used ridesharing app in Pleasanton (used by 72% of residents and 73% of employees), followed by Lyft (52% of residents and 58% of employees). As shown in Figure 21, residents and employees use these services at the same frequency though this has likely more to do with each company's market share than any traits specific to Pleasanton. At the time of the survey, Waze Carpool was still in operation (Google has since announced its shutdown for September 2022) and 18% of residents and 15% of employees used it.

Figure 21: Ridesharing App Usage

Which of the following ridesharing or carpooling apps have you used?

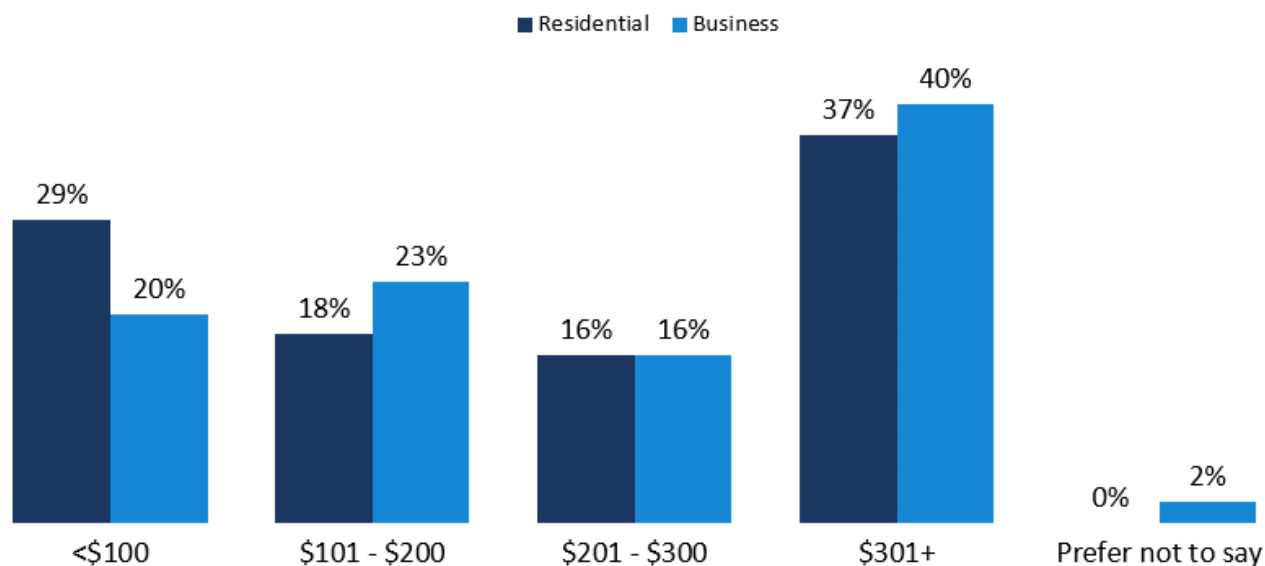
Rideshare App	Residents	Employees
Uber	72%	73%
Lyft	52%	58%
Scoop	2%	3%
Waze	18%	15%
Other	1%	1%
None of the Above	20%	20%

8 COMMUTE BUDGETING

A sizeable portion of residents (37%) and employees (40%) budget over \$300 per month.

Figure 22: Monthly Commute Budgets

How much do you budget monthly for your commute?



9 PRIVATE VEHICLE USAGE

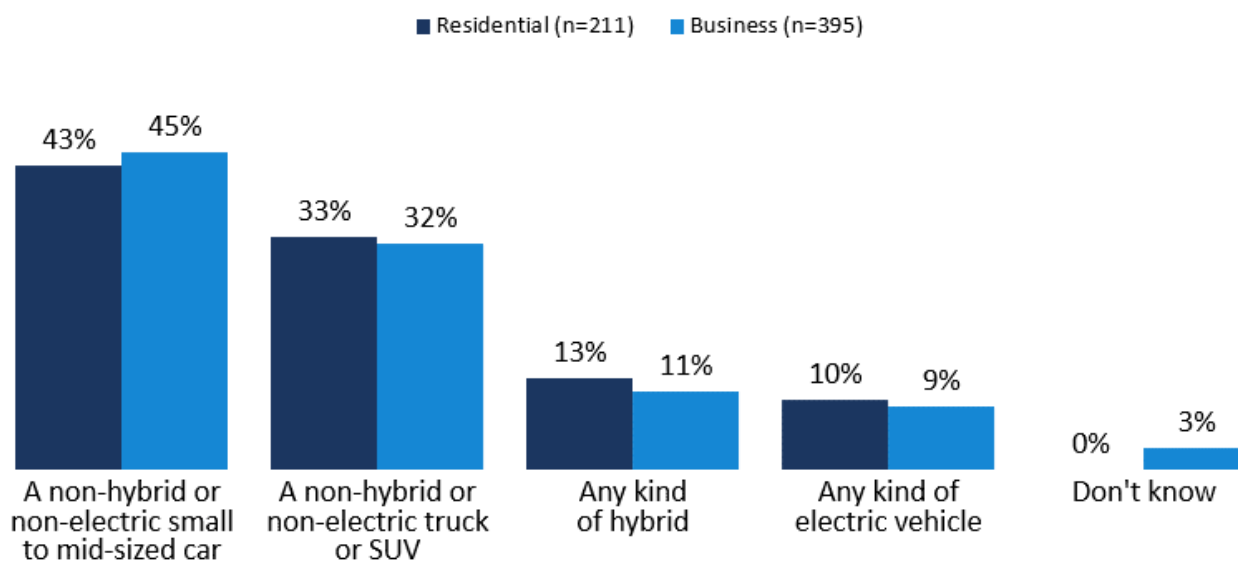
The following questions were asked if respondents drove to work at least three days out of the week.

In terms of vehicle choice, most drive non-hybrid or non-electric cars, as shown in Figure 23. Both residents and employees are somewhat more likely to drive a small or mid-sized car than a larger vehicle like a truck or SUV. Both groups are also likely to use hybrid and electric vehicles at roughly the same rates.

Compared to 2017, there has been a noticeable decline in small to mid-sized gas car ownership (81% of residents and 60% of employees owned one in 2017; compared to 43% of residents and 45% of employees now). This is coupled with an increase in gas trucks and SUVs, hybrids, and electric vehicles. Particularly among residents, fewer than 15% owned a truck or SUV in 2017 compared to 33% who now do (employee ownership of trucks and SUVs stayed largely consistent).

Figure 23: Types of Vehicle Usage

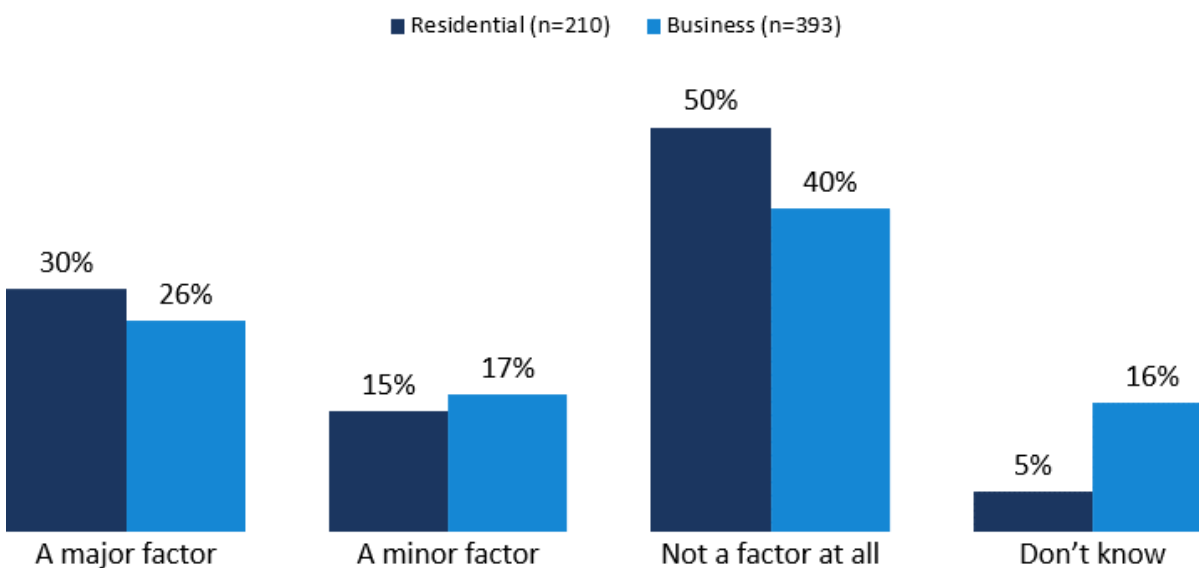
*What kind of vehicle do you drive to work?
(Asked of those who drive at least three times a week)*



Forty-five percent of residents and 43% of employees say charging station availability is at least a minor factor in their decision to drive or not drive an electric vehicle (Figure 24). Thirty percent of residents and 26% of employees say availability is a major factor. However, employees are more likely to be unsure while residents are more likely to state it is not at all a factor.

Figure 24: Impact Charging Station Availability

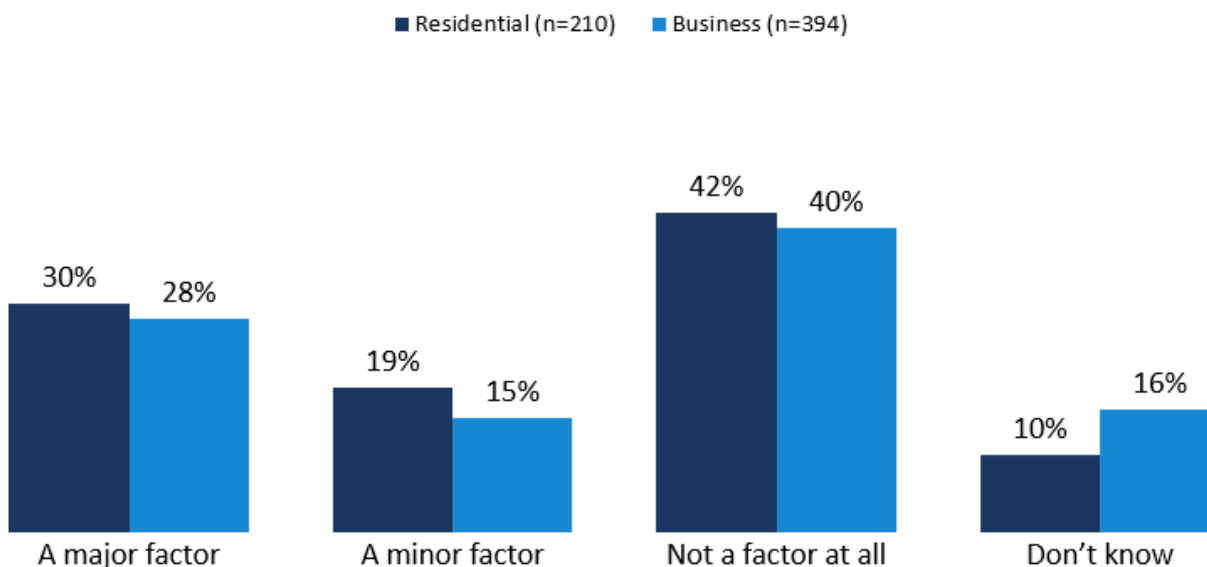
*How much is charging station availability a factor in your decision to (not) drive an electric vehicle?
(Asked of those who drive at least three times a week)*



Similarly, 49% of residents and 43% of employees say that charging station speed is at least a minor factor in their decision to drive or not drive an electric vehicle (Figure 25). Thirty percent of residents and 28% of employees say charging speed is a major factor.

Figure 25: Impact of Charging Station Speed

*How much is charging station speed a factor in your decision to (not) drive an electric vehicle?
(Asked of those who drive at least three times a week)*



10 ENCOURAGING ALTERNATIVES TO DRIVING

Telecommuting is the most popular alternative commute method resident (24%) and employee (29%) drivers would consider using at least once per week. Carpooling is the second most popular alternative (14% of residents and 26% of employees). In Figure 26, employees are also somewhat more willing to carpool, vanpool, bike, bus or use BART than residents. Overall, 63% of residents and 69% of employees are willing to consider at least one alternative. ACE and walking are the least popular alternative commute methods.

Figure 26: Willingness to Use Alternate Commute Methods

Which of the following commute alternatives would you consider using at least once per week?

(Asked of those who drive 3 or more days a week; n=211 residents and 397)

Alternative Commute Method	Residents	Employees
Telecommuting	24%	29%
Carpooling	14%	26%
Biking	9%	16%
BART	7%	13%
Vanpooling	1%	10%
Bus	1%	8%
ACE	4%	3%
Walking	2%	4%
Don't know	37%	31%

Assistance with finding partners is the most popular factor in encouraging commuters who are interested in carpooling. This is followed by financial incentives, a guaranteed ride home for emergencies, and flexibility to drop out among both residents and employees.

Figure 27: Factors to Encourage Carpooling

*Which of the following would encourage you to carpool or vanpool? You can select up to three.
(Asked of those who said they would consider carpooling or vanpooling at least once per week;
n=33 residents and 127 employees)*

Carpool Incentive	Residents	Employees
Help finding partners to carpool or vanpool	55%	54%
Financial incentives	36%	40%
Guaranteed ride home in an emergency	33%	40%
Flexibility to drop out on as-needed basis	33%	35%
Use of a company car during your workday	15%	17%
More information about carpooling and vanpooling	6%	13%
Services at work (like ATM, dry-cleaning, convenience store)	6%	4%
Special parking for carpools/vanpools	3%	2%
Not interested in carpooling/vanpooling at this time	6%	4%
Other	12%	12%
Don't know	3%	12%

Greater reliability, number of service routes, and safety are the most common factors in encouraging those interested in public transit to use it. However, greater reliability and number of service routes are a greater concern for employees than residents (Figure 28). Residents (35%) also place a greater emphasis on clean transit station and vehicles than employees (17%). While less popular overall, transit subsidies are a greater incentive for employees than residents (12% of employees are encouraged by it compared to 4% of residents).

Figure 28: Factors to Encourage Public Transit Use

Which of the following would encourage you to use public transit? You can select up to three.

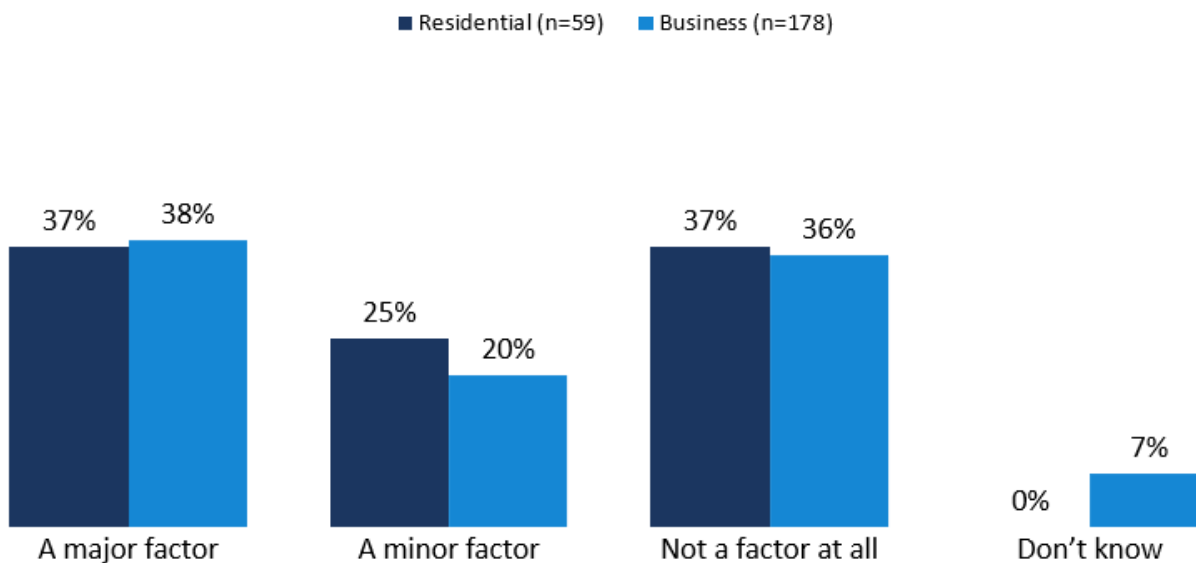
*(Asked of those who said they would consider public transit at least once per week;
n=26 residents and 102 employees)*

Public Transit Incentive	Residents	Employees
More reliable service	35%	48%
More service routes	31%	40%
Feeling more safe waiting for or riding public transit	31%	25%
Clean transit stations and vehicles	35%	13%
A guaranteed ride home in an emergency	23%	26%
Use of a company car during your workday	12%	13%
More information about schedules and routes	15%	11%
Transit subsidies	4%	12%
Not interested in using public transit at this time	4%	9%
Other	19%	7%
Don't know	0%	10%

Most say COVID-19 is at least a minor factor in deciding whether to use a commute alternative than driving by themselves. This consideration is about the same for both residents and employees. Thirty-seven percent of residents and 38% of employees say it is a major factor in their decision-making.

Figure 29: Impact of COVID-19 When Considering Transit Alternatives

*How much is the COVID-19 pandemic a factor in deciding whether you use a commute alternative to driving alone?
(Asked of those who said they would consider a multi-passenger commute alternative)*



A majority of drivers interested in walking or biking say they would be encouraged to do so if there were better walking and biking paths (55% of residents and 53% of employees). This is followed by secure bike parking (32% of residents and 34% of employees). Residents (41%) are more encouraged by financial incentives than employees (34%). Workplace showers and changing rooms are also somewhat popular factors (23% of residents and 24% of employees).

Figure 30: Factors to Encourage Biking and Walking

*Which of the following would encourage you to bike or walk? You can select up to three.
(Asked of those who said they would consider walking or biking at least once per week;
n=22 residents and 116 employees)*

Biking and Walking Incentive	Residents	Employees
Better paths or routes for walking and biking	55%	53%
Financial incentives for walking and biking	41%	34%
Secure and safe bike parking	32%	37%
Shower/change rooms available at workplace	23%	24%
Guaranteed ride home in an emergency	14%	15%
Onsite bike tune ups	9%	9%
Information on nearby biking and walking routes	5%	10%
More information on riding bikes safely with traffic	5%	10%
Not interested in walking or biking at this time	0%	14%
Other	5%	6%
Don't know	14%	4%

Lastly, residents and employees gave a wide variety of suggestions for other commute alternatives not mentioned previously. Those open-ended responses were then coded and grouped together based on similar themes, as shown in Figures 31 and 32. Most respondents had nothing to add. Some notable comments include better schedules, shorter commutes, and financial incentives.

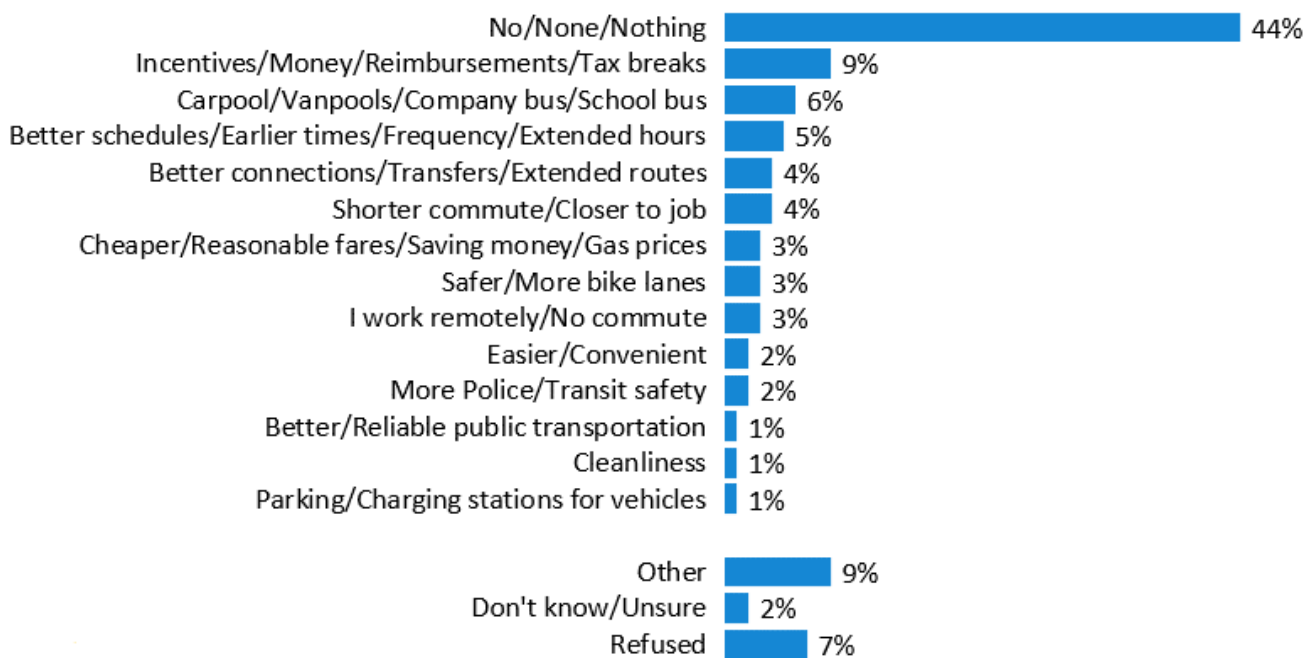
Figure 31: Residents' Suggestions for Commute Alternatives

*Is there anything else that would encourage you to use a commute alternative at least 1 day per week?
(open-ended; asked of all respondents)*



Figure 32: Employees' Suggestions for Commute Alternatives

*Is there anything else that would encourage you to use a commute alternative at least 1 day per week?
(open-ended; asked of all respondents)*



11 CONCLUSIONS

Driving alone, while still the most popular method of commuting to and from Pleasanton, has seen a decrease since 2017 while the share of telecommuters (at least part-time) has notably risen -- a foreseeable result given the COVID-19 pandemic. Fridays are a particularly common day for telecommuting, with nearly a quarter (23% of residents and employees) noting this practice. Many anticipate that their employer will continue to allow them to telecommute in the future. These telecommuting statistics could be a useful tool for comparison with any traffic studies the City may want to conduct in the future.

In terms of the vehicles respondents drive, small to mid-sized gas cars are less common (especially among Pleasanton residents) compared to 2017 while usage of large gas vehicles (like trucks and SUVs), as well as hybrids and electric cars of any size, have increased.

Commuters are traveling to Pleasanton from other Bay Area locations cover a wide distribution of distances. A majority of these locations are within Alameda and Contra Costa Counties. The neighboring cities of Dublin (9%), Livermore (7%), and San Ramon (6%), are a notable source of incoming commuters. A notable portion of Pleasanton residents are also commuting to other Alameda (most common are Fremont (3%), Livermore (3%), and Dublin (3%)), and Santa Clara County cities (most common are San Jose (4%), Mountain View (2%), Milpitas (2%), Santa Clara (2%), and Sunnyvale (2%)).

While there are a variety of minor differences in commuting patterns between residents and employees, overall, behavior is consistent between the groups when considering commute preferences, alternatives, and schedules.

APPENDIX A

QUESTIONNAIRES



2022 PLEASANTON TRANSPORTATION SURVEY
320-1032-UT [RESIDENTS]
N=325
MARGIN OF SAMPLING ERROR ±5.4% (95% CONFIDENCE LEVEL)

Hello, my name is _____ and I am calling on behalf of the City of Pleasanton. We are not selling anything. We are doing a very brief survey about commuting. Your answers will help the City assess current commute patterns and learn which commuter benefits are effective in promoting alternative commute modes to help improve traffic circulation.

A. Before we begin, I need to know if I have reached you on a cell phone, and if so, are you in a place where you can talk safely without endangering yourself or others?

- Yes, cell and can talk safely----- 98%
- Yes, cell but cannot talk safely ----- **TERMINATE**
- No, not on cell----- 2%
- (DON'T READ) DK/NA/REFUSED----- TERMINATE**

B. Just to confirm, is your household in the City of Pleasanton?

- Yes ----- 100%
- No ----- **TERMINATE**
- (DON'T READ) Don't know/NA ----- TERMINATE**

C. And are you currently employed full-time or part-time?

- Yes ----- 100%
- No ----- **TERMINATE**
- (DON'T READ) Don't know/NA ----- TERMINATE**

D. And in order to make sure we are hearing from a representative group of Pleasanton residents: In what year were you born?

- 2005 or later (0-17)----- **TERMINATE**
- 2004-1998 (18-24)----- 6%
- 1997-1993 (25-29)----- 9%
- 1992-1988 (30-34)----- 6%
- 1987-1983 (35-39)----- 8%
- 1982-1978 (40-44)----- 6%
- 1977-1973 (45-49)----- 12%
- 1972-1968 (50-54)----- 16%
- 1967-1963 (55-59)----- 17%
- 1962-1958 (60-64)----- 9%
- 1957-1948 (65-74)----- 10%
- 1947 or earlier (75 and over) ----- 2%
- (REFUSED/NA)----- 2%**

OKAY, LET'S BEGIN.

1. (T) What is your work ZIP-code? (OPEN-ENDED; RECORD VERBATIM; IF DON'T KNOW: "What city or town is your work in?")

ZIP-code: _____

City/Town: _____

2. (T*) What is the approximate distance one-way from your home to work in miles? (OPEN-ENDED; RECORD VERBATIM)

<u>< 5 miles</u> -----	30 %
<u>5.1 - 15 miles</u> -----	15 %
<u>15.1 - 25 miles</u> -----	18 %
<u>25.1 - 35 miles</u> -----	22 %
<u>35.1+ miles</u> -----	16 %
<u>Prefer not to say</u> -----	0 %

3. (T*) Approximately how long does it take you to get to work on a typical day? (OPEN-ENDED; RECORD VERBATIM)

<u>< 15 minutes</u> -----	32 %
<u>15 - 29 minutes</u> -----	17 %
<u>30 - 59 minutes</u> -----	32 %
<u>60+ minutes</u> -----	19 %

4. (T) What time do you usually start work?

<u>Before 6:00 am</u> -----	5 %
<u>6:00 - 6:59 am</u> -----	8 %
<u>7:00 - 7:59 am</u> -----	18 %
<u>8:00 - 8:59 am</u> -----	38 %
<u>9:00 - 9:59 am</u> -----	19 %
<u>10:00 am or later</u> -----	12 %
(DON'T READ) DK/NA -----	1 %

5. (T) What time do you usually leave work?

<u>Before 3:00 pm</u> -----	9 %
<u>3:00 - 3:59 pm</u> -----	10 %
<u>4:00 - 4:59 pm</u> -----	18 %
<u>5:00 - 5:59 pm</u> -----	33 %
<u>6:00 - 6:59 pm</u> -----	14 %
<u>7:00 pm or later</u> -----	15 %
(DON'T READ) DK/NA -----	2 %

6. (T) What is your usual work schedule?

Full-time: 40 or more hours -----78%
 Compressed work week (4/40, 9/80)----- 4%
 Part-time: 20 or more hours -----13%
 Part-time: less than 20 hours----- 4%
 (DON'T READ) DK/NA ----- 1%

7. Did your employer introduce or modify an existing remote work policy in response to the COVID-19 pandemic?

Yes -----67%
 No -----32%
 (DON'T READ) DK/NA ----- 1%

(IF Q7 = CODE 1); n=217

8. And what does your employer's remote work policy look like now? (READ LIST)

Only working from home-----15%
 A hybrid schedule working most days from home---- 34 %
 A hybrid schedule working most days on-site ----- 19%
 Only working on-site -----13%
 An even mix of on-site days and at-home days----- 14%
 Working at home for part of the day and on-site for
 another part of the same day ----- 2%
 (DON'T READ) DK/NA ----- 3%

(IF Q8 = CODES 1-3 AND 5-7); n=196

9. Do you expect your employer's current remote work policy to continue indefinitely? (IF NO: Do you expect your employer's current remote work policy to change in... ? (READ LIST)

(DON'T READ) Will continue indefinitely-----54%
 Within the next three months ----- 8%
 Within the next six months, or -----12%
 Within the next year-----15%
 (DON'T READ) DK/NA ----- 11%

(RESUME ASKING ALL RESPONDENTS)

10. (T*) How do you usually travel to work each day of the week? If you use more than one method of transportation, please tell me the method that accounts for the longest distance of your trip. (READ LIST OF TRANSPORTATION OPTIONS IF NECESSARY).

	DRIVE ALONE	CAR POOL	VAN POOL	BART	WHEELS	ACE	BUS	BIKE	WALK	MOTOR CYCLE	RIDE SHARE	OTHER	NONE	WFH
[]a. Monday	64%	3%	0%	4%	0%	2%	1%	2%	3%	0%	1%	3%	17%	
[]b. Tuesday	65%	3%	0%	7%	0%	1%	1%	2%	3%	0%	1%	3%	14%	
[]c. Wednesday	66%	2%	0%	5%	0%	1%	1%	1%	3%	0%	1%	2%	16%	
[]d. Thursday	64%	3%	0%	5%	0%	2%	1%	2%	3%	0%	1%	4%	14%	
[]e. Friday	59%	2%	0%	4%	0%	1%	0%	2%	3%	0%	1%	4%	23%	

11. (T*) Next, I'm going to read you some reasons people having for stopping on their way to work. For each one, please tell me what days you regularly make that stop in Pleasanton on your way to work. (ALLOW MULTIPLE SELECTIONS PER ITEM)

	<u>MON.</u>	<u>TUES.</u>	<u>WED.</u>	<u>THURS.</u>	<u>FRI.</u>	<u>NONE (DK/NA)</u>
[]a. Dropping off a child -----	16%	14%	14%	14%	14%	79% -----4%
[]b. Dropping off an adult-----	3%	2%	1%	2%	2%	90% -----5%
[]c. Shopping and running errands (including buying gas)-----	18%	14%	17%	15%	18%	58% -----5%
[]d. Going to the gym or working out-----	10%	11%	10%	10%	9%	78% -----4%
[]e. Going to school-----	3%	2%	3%	2%	2%	90% -----5%
[]f. Going to a second job -----	3%	2%	1%	2%	2%	90% -----5%
[]g. Dining or getting coffee or takeout----	16%	17%	17%	16%	23%	61% -----5%

12. (T*) Next, I'm going to read you a similar list of reasons people have for stopping in Pleasanton on their way home from work. Please tell me what days you regularly make that stop. (ALLOW MULTIPLE SELECTIONS PER ITEM)

	<u>MON.</u>	<u>TUES.</u>	<u>WED.</u>	<u>THURS.</u>	<u>FRI.</u>	<u>NONE (DK/NA)</u>
[]a. Picking up a child -----	13%	12%	13%	12%	12%	80% -----4%
[]b. Picking up an adult-----	2%	2%	1%	2%	2%	91% -----4%
[]c. Shopping and running errands (including buying gas)-----	20%	18%	22%	19%	23%	50% -----7%
[]d. Going to the gym or working out-----	6%	8%	7%	8%	6%	81% -----5%
[]e. Going to school-----	2%	2%	1%	2%	2%	91% -----4%
[]f. Dining or getting takeout-----	10%	12%	15%	13%	24%	58% -----7%

(ASK IF CODES 2-3 SELECTED FOR ANY DAYS IN Q10); n=21

13. (T) If you commute to work in a carpool or vanpool, how many people are in the vehicle (including yourself)? (OPEN-ENDED; RECORD VERBATIM)

1-2 -----	86%
3+ -----	14%
Prefer not to answer-----	0%

(ASK IF CODES 4-7 SELECTED FOR ANY DAYS IN Q10); n=38

14. (T) When commuting by public transit, how do you get to the transit station or pick-up point for your longest route? (DO NOT READ LIST)

Drive alone-----	55%
Carpool (2-6 people) -----	0%
Another form of public transit-----	8%
Take a shuttle-----	0%
Ride a motorcycle-----	3%
Bike-----	21%
Walk-----	8%
Other -----	5%
(DON'T READ) DK/NA -----	0%

(ASK IF CODE 1 FOR 3 OR MORE DAYS IN Q10); n=211

15. (T) What kind of vehicle do you drive to work?

A non-hybrid or non-electric small to mid-sized car --43 %
 A non-hybrid or non-electric truck or SUV ----- 33 %
 Any kind of hybrid ----- 13 %
 Any kind of electric vehicle----- 10 %
 (DON'T READ) DK/NA ----- 0 %

(ASK IF NOT CODE 5, DK/NA IN Q15); n=210

16. How much is charging station availability a factor in your decision to (IF CODES 1-3 IN Q15: not) drive an electric vehicle? Was it a (READ LIST)

A major factor ----- 30 %
 A minor factor, or ----- 15 %
 Not a factor at all ----- 50 %
 (DON'T READ) DK/NA ----- 5 %

(ASK IF NOT CODE 5, DK/NA IN Q15); n=210

17. How much is charging station speed a factor in your decision to (IF CODES 1-3 IN Q15: not) drive an electric vehicle? Was it a.... (READ LIST)

A major factor ----- 30 %
 A minor factor, or ----- 19 %
 Not a factor at all ----- 42 %
 (DON'T READ) DK/NA ----- 10 %

(ASK IF CODE 1, DRIVE ALONE, FOR 3 OR MORE DAYS IN Q10); n=211

18. (T) Which of the following commute alternatives would you consider using at least once per week? (READ LIST)

Carpooling ----- 14 %
 Vanpooling ----- 1 %
 Telecommuting ----- 24 %
 Bus ----- 1 %
 BART ----- 7 %
 ACE ----- 4 %
 Walking ----- 2 %
 Biking ----- 9 %
 (DON'T READ) DK/NA ----- 37 %

(ASK IF CODES 1-2, CARPOOLING/VANPOOLING IN Q18); n= 33

19. (T) Which of the following would encourage you to carpool or vanpool? You can select up to three. (READ LIST)

- Help finding partners to carpool or vanpool ----- 55 %
- Guaranteed ride home in an emergency----- 33 %
- Use of a company car during your workday ----- 15 %
- Services at work (like ATM, dry-cleaning,
convenience store ----- 6 %
- Financial incentives----- 36 %
- Special parking for carpools/vanpools ----- 3 %
- More information about carpooling and vanpooling ---- 6 %
- Flexibility to drop out on an as-needed basis ----- 33 %
- (DON'T READ)** Not interested in
carpooling/vanpooling at this time ----- 3 %
- Other (**RECORD VERBATIM**)----- 12 %
- (DON'T READ)** DK/NA ----- 3 %

(ASK IF CODES 4-6, BUS, BART, OR ACE, IN Q18); n=26

20. (T) Which of the following would encourage you to use public transit? You can select up to three. (READ LIST)

- More reliable service----- 35 %
- More service routes----- 31 %
- Transit subsidies ----- 4 %
- Feeling more safe waiting for or riding public transit- 31 %
- A guaranteed ride home in an emergency ----- 23 %
- Use of a company car during your workday ----- 12 %
- More information about schedules and routes ----- 15 %
- Clean transit stations and vehicles ----- 35 %
- (DON'T READ)** Not interested in using
public transit at this time----- 4 %
- Other (**RECORD VERBATIM**)----- 19 %
- (DON'T READ)** DK/NA ----- 0 %

(ASK IF CODES 1-2, 4-6, CARPOOL, VANPOOL, BUS, BART, OR ACE, IN Q18); n=59

21. How much is the COVID-19 pandemic a factor in deciding whether you use a commute alternative to driving alone? Is it a... (READ LIST)?

- A major factor ----- 37 %
- A minor factor, or ----- 25 %
- Not a factor at all ----- 37 %
- (DON'T READ)** DK/NA ----- 0 %

(ASK IF CODES 7-8, WALKING OR BIKING, IN Q18); n=22

22. (T) Which of the following would encourage you to bike or walk? You can select up to three. (READ LIST)

Better paths or routes for walking and biking-----	55 %
Information on nearby biking and walking routes-----	5 %
Onsite bike tune ups-----	9 %
More information on riding bikes safely with traffic ---	5 %
Secure and safe bike parking-----	32 %
Guaranteed ride home in an emergency-----	14 %
Shower/change rooms available at workplace -----	23 %
Financial incentives for walking and biking-----	41 %
(DON'T READ) Not interested in walking or biking--	0 %
Other (RECORD VERBATIM)-----	5 %
(DON'T READ) DK/NA -----	14 %

(RESUME ASKING ALL RESPONDENTS)

23. (T) Is there anything else that would encourage you to use a commute alternative at least one day per week? (OPEN-ENDED; RECORD VERBATIM)

No/None/Nothing-----	47 %
Shorter commute/Closer to job-----	7 %
Better schedules/Earlier times/Frequency/Extended hours-----	7 %
I work remotely/No commute -----	6 %
Better connections/Transfers/Extended routes-----	4 %
Cheaper/Reasonable fares/Saving money/Gas prices -----	4 %
Carpool/Vanpools/Company bus/School bus -----	4 %
Better/Reliable public transportation -----	3 %
Easier/Convenient -----	3 %
Safer/More bike lanes -----	3 %
Incentives/Money/Reimbursements/Tax breaks-----	2 %
More Police/Transit safety-----	2 %
Cleanliness-----	2 %
More stops -----	2 %
Parking/Charging stations for vehicles -----	0 %
Other-----	8 %
Don't know/Unsure -----	3 %
N/A/Refused -----	3 %

24. (T) Which of the following ridesharing/carpooling apps have you used? (READ LIST; ACCEPT MULTIPLE RESPONSES)

Uber	72%
Lyft	52%
Scoop	2%
Waze	18%
Zimride	0%
Other	1%
(DON'T READ) None of the above	20%
(DON'T READ) DK/NA	1%

25. (T) What primary Pleasanton street do you use on your way to work? (READ LIST)

Bernal Avenue	26%
Foothill Road	10%
Hacienda Drive	3%
Hopyard Road	15%
Santa Rita Road	20%
Stanley Boulevard	4%
Stoneridge Drive	12%
Sunol Boulevard	8%
Vineyard Avenue	3%

26. (T*) And do you use the same street on your way home? (IF YES, CODE SAME AS Q27; IF NO: "What primary Pleasanton street do you use on your way home from work?" (REPEAT LIST AS NECESSARY)

Bernal Avenue	26%
Foothill Road	10%
Hacienda Drive	3%
Hopyard Road	14%
Santa Rita Road	20%
Stanley Boulevard	4%
Stoneridge Drive	10%
Sunol Boulevard	8%
Vineyard Avenue	5%

27. (T) Which of the following freeway interchanges do you use most often on your way to work? (READ LIST)

680 at Sunol Boulevard	16%
680 at Bernal Avenue	23%
680 at Stoneridge Drive	12%
580 at Foothill Road	3%
580 at Hopyard Road	4%
580 at Hacienda Drive	2%
580 at Santa Rita Road	11%
(DON'T READ) None of the above/	
Don't use freeway	27%

28. (T*) How much do you budget for your monthly commute? (OPEN-ENDED; RECORD VERBATIM; IF DON'T KNOW: "How much do you think you spend monthly on commuting?")

< \$100 -----	29%
\$101 - \$200 -----	18%
\$201 - \$300 -----	16%
\$301 + -----	37%
Prefer not to say-----	0%

(OPTIONAL)

29. Lastly, if you would like to be entered in a random drawing to win one of many prizes, what would be the best phone number and email address to reach you?

Phone number: _____

Email address: _____

THANK AND TERMINATE

MODE OF INTERVIEW

Phone -----	31%
Online -----	69%

LANGUAGE OF INTERVIEW

English -----	94%
Spanish -----	5%
Chinese-----	1%

ZIPCODE

94566 -----	31%
94588 -----	18%
Other-----	51%

COUNTY

Alameda-----	62%
Santa Clara -----	13%
Contra Costa -----	5%
San Francisco -----	4%
Other-----	16%



2022 PLEASANTON TRANSPORTATION SURVEY
320-1032-UT [BUSINESS]
N= 500

Hello, my name is _____ and I am calling on behalf of the City of Pleasanton. We are not selling anything. We are doing a very brief survey about commuting. Your answers will help the City assess current commute patterns and learn which commuter benefits are effective in promoting alternative commute modes to help improve traffic circulation.

C. Please acknowledge that you work full-time or part-time to proceed with the survey.

Yes ----- 100 %
 No ----- **TERMINATE**
(DON'T READ) Don't know/NA ----- TERMINATE

D. And in order to make sure we are hearing from a representative group of Pleasanton employees: In what year were you born?

2005 or later (0-17)----- **TERMINATE**
 2004-1998 (18-24) ----- 1 %
 1997-1993 (25-29) ----- 10 %
 1992-1988 (30-34) ----- 14 %
 1987-1983 (35-39) ----- 18 %
 1982-1978 (40-44) ----- 13 %
 1977-1973 (45-49) ----- 14 %
 1972-1968 (50-54) ----- 10 %
 1967-1963 (55-59) ----- 8 %
 1962-1958 (60-64) ----- 8 %
 1957-1948 (65-74) ----- 2 %
 1947 or earlier (75 and over) ----- 1 %
(REFUSED/NA)----- 1 %

OKAY, LET'S BEGIN.

1. **(T)** What is your home ZIP-code? **(OPEN-ENDED; RECORD VERBATIM; IF DON'T KNOW: "What city or town is your work in?")**

ZIP-code: _____

City/Town: _____

2. **(T*)** What is the approximate distance one-way from your home to work in miles? **(OPEN-ENDED; RECORD VERBATIM)**

< 5 miles ----- 24 %
 5.1 - 15 miles ----- 27 %
 15.1 - 25 miles ----- 17 %
 25.1 - 35 miles ----- 17 %

35.1 + miles----- 14 %
 Prefer not to say----- 0 %

3. (T*) Approximately how long does it take you to get to work on a typical day? (OPEN-ENDED; RECORD VERBATIM)

< 15 minutes----- 21 %
 15 - 29 minutes ----- 35 %
 30 - 59 minutes ----- 32 %
 60+ minutes ----- 12 %

4. (T) What time do you usually start work?

Before 6:00 am----- 1 %
 6:00 - 6:59 am ----- 9 %
 7:00 - 7:59 am ----- 18 %
 8:00 - 8:59 am ----- 42 %
 9:00 - 9:59 am ----- 22 %
 10:00 am or later----- 7 %
 (DON'T READ) DK/NA ----- 1 %

5. (T) What time do you usually leave work?

Before 3:00 pm----- 5 %
 3:00 - 3:59 pm ----- 8 %
 4:00 - 4:59 pm ----- 25 %
 5:00 - 5:59 pm ----- 43 %
 6:00 - 6:59 pm ----- 13 %
 7:00 pm or later----- 6 %
 (DON'T READ) DK/NA ----- 1 %

6. (T) What is your usual work schedule?

Full-time: 40 or more hours ----- 89%
 Compressed work week (4/40, 9/80)----- 3%
 Part-time: 20 or more hours ----- 6%
 Part-time: less than 20 hours----- 1%
 (DON'T READ) DK/NA ----- 0%

7. Did your employer introduce or modify an existing remote work policy in response to the COVID-19 pandemic?

Yes ----- 62%
 No ----- 25%
 (DON'T READ) DK/NA ----- 13%

(IF Q7 = CODE 1); n=308

8. And what does your employer's remote work policy look like now? (READ LIST)

Only working from home----- 2%
 A hybrid schedule working most days from home ---- 23 %
 A hybrid schedule working most days on-site ----- 40%
 Only working on-site ----- 16%
 An even mix of on-site days and at-home days ----- 16%
 Working at home for part of the day and on-site for
 another part of the same day ----- 1%
 (DON'T READ) DK/NA ----- 3%

(IF Q8 = CODES 1-3 AND 5-7); n=261

9. Do you expect your employer's current remote work policy to continue indefinitely? (IF NO: Do you expect your employer's current remote work policy to change in... ? (READ LIST)

(DON'T READ) Will continue indefinitely----- 35%
 Within the next three months ----- 8%
 Within the next six months, or ----- 10%
 Within the next year----- 10%
 (DON'T READ) DK/NA ----- 37%

(RESUME ASKING ALL RESPONDENTS)

10. (T*) How do you usually travel to work each day of the week? If you use more than one method of transportation, please tell me the method that accounts for the longest distance of your trip. (READ LIST OF TRANSPORTATION OPTIONS IF NECESSARY).

	DRIVE ALONE	CAR POOL	VAN POOL	BART	WHEELS	ACE	BUS	BIKE	WALK	MOTOR CYCLE	RIDE SHARE	WFH/ OTHER	NONE
[]a. Monday	75%	2%	0%	2%	0%	1%	1%	1%	2%	1%	0%	1%	15%
[]b. Tuesday	80%	2%	0%	1%	0%	1%	1%	1%	1%	1%	0%	0%	11%
[]c. Wednesday	80%	2%	0%	2%	0%	2%	1%	1%	1%	0%	0%	1%	10%
[]d. Thursday	78%	2%	0%	1%	0%	1%	2%	1%	2%	1%	0%	0%	12%
[]e. Friday	67%	1%	0%	1%	0%	1%	1%	1%	1%	1%	0%	2%	23%

11. (T*) Next, I'm going to read you some reasons people having for stopping on their way to work. For each one, please tell me what days you regularly make that stop in Pleasanton on your way to work. (ALLOW MULTIPLE SELECTIONS PER ITEM)

	<u>MON.</u>	<u>TUES.</u>	<u>WED.</u>	<u>THURS.</u>	<u>FRI.</u>	<u>NONE (DK/NA)</u>
[] a. Dropping off a child -----	21%	20%	21%	19%	20%	74% -----3%
[] b. Dropping off an adult-----	3%	2%	2%	2%	2%	93% -----4%
[] c. Shopping and running errands (including buying gas)-----	15%	12%	15%	15%	18%	61% -----6%
[] d. Going to the gym or working out-----	6%	9%	7%	8%	6%	84% -----4%
[] e. Going to school-----	2%	2%	2%	2%	2%	94% -----4%
[] f. Going to a second job -----	2%	2%	2%	1%	1%	94% -----4%
[] g. Dining or getting coffee or takeout---	11%	13%	13%	14%	17%	68% -----6%

12. (T*) Next, I'm going to read you a similar list of reasons people have for stopping in Pleasanton on their way home from work. Please tell me what days you regularly make that stop. (ALLOW MULTIPLE SELECTIONS PER ITEM)

	<u>MON.</u>	<u>TUES.</u>	<u>WED.</u>	<u>THURS.</u>	<u>FRI.</u>	<u>NONE (DK/NA)</u>
[] a. Picking up a child -----	15%	14%	15%	14%	15%	78% -----3%
[] b. Picking up an adult-----	2%	2%	2%	2%	2%	93% -----4%
[] c. Shopping and running errands (including buying gas)-----	15%	16%	17%	19%	19%	51% -----7%
[] d. Going to the gym or working out-----	6%	9%	8%	8%	7%	84% -----4%
[] e. Going to school-----	1%	1%	1%	1%	1%	94% -----4%
[] f. Dining or getting takeout-----	11%	12%	12%	14%	18%	64% -----6%

(ASK IF CODES 2-3 SELECTED FOR ANY DAYS IN Q10); n=34

13. (T) If you commute to work in a carpool or vanpool, how many people are in the vehicle (including yourself)? (OPEN-ENDED; RECORD VERBATIM)

1-2 -----	26%
3+ -----	12%
Prefer not to answer-----	62%

(ASK IF CODES 4-7 SELECTED FOR ANY DAYS IN Q10); n=46

14. (T) When commuting by public transit, how do you get to the transit station or pick-up point for your longest route? **(DO NOT READ LIST)**

Drive alone-----	24 %
Carpool (2-6 people) -----	9 %
Another form of public transit-----	4 %
Take a shuttle-----	4 %
Ride a motorcycle-----	0 %
Bike-----	4 %
Walk-----	35 %
Other -----	2 %
(DON'T READ) DK/NA -----	17 %

(ASK IF CODE 1 FOR 3 OR MORE DAYS IN Q10); n=395

15. (T) What kind of vehicle do you drive to work?

A non-hybrid or non-electric small to mid-sized car --	45 %
A non-hybrid or non-electric truck or SUV -----	32 %
Any kind of hybrid -----	11 %
Any kind of electric vehicle-----	9 %
(DON'T READ) DK/NA -----	3 %

(ASK IF NOT CODE 5, DK/NA IN Q15); n=393

16. How much is charging station availability a factor in your decision to **(IF CODES 1-3 IN Q15: not)** drive an electric vehicle? Was it a **(READ LIST)**

A major factor-----	26 %
A minor factor, or -----	17 %
Not a factor at all -----	40 %
(DON'T READ) DK/NA -----	16 %

(ASK IF NOT CODE 5, DK/NA IN Q15); n=394

17. How much is charging station speed a factor in your decision to **(IF CODES 1-3 IN Q15: not)** drive an electric vehicle? Was it a.... **(READ LIST)**

A major factor-----	28 %
A minor factor, or -----	15 %
Not a factor at all -----	40 %
(DON'T READ) DK/NA -----	16 %

(ASK IF CODE 1, DRIVE ALONE, FOR 3 OR MORE DAYS IN Q10); n=397

18. (T) Which of the following commute alternatives would you consider using at least once per week?
(READ LIST)

Carpooling -----	26%
Vanpooling-----	10%
Telecommuting-----	29%
Bus-----	8%
BART -----	13%
ACE -----	3%
Walking-----	4%
Biking -----	16%
(DON'T READ) DK/NA -----	31%

(ASK IF CODES 1-2, CARPOOLING/VANPOOLING IN Q18); n= 127

19. (T) Which of the following would encourage you to carpool or vanpool? You can select up to three.
(READ LIST)

Help finding partners to carpool or vanpool -----	54%
Guaranteed ride home in an emergency-----	40%
Use of a company car during your workday -----	17%
Services at work (like ATM, dry-cleaning, convenience store -----	4%
Financial incentives-----	40%
Special parking for carpools/vanpools -----	2%
More information about carpooling and vanpooling ---	13%
Flexibility to drop out on an as-needed basis -----	35%
(DON'T READ) Not interested in carpooling/vanpooling at this time -----	4%
Other (RECORD VERBATIM)-----	2%
(DON'T READ) DK/NA -----	12%

(ASK IF CODES 4-6, BUS, BART, OR ACE, IN Q18); n=102

20. (T) Which of the following would encourage you to use public transit? You can select up to three.
(READ LIST)

More reliable service-----	48%
More service routes-----	40%
Transit subsidies -----	12%
Feeling more safe waiting for or riding public transit-	25%
A guaranteed ride home in an emergency -----	26%
Use of a company car during your workday -----	13%
More information about schedules and routes -----	11%
Clean transit stations and vehicles -----	13%
(DON'T READ) Not interested in using public transit at this time-----	9%
Other (RECORD VERBATIM)-----	7%
(DON'T READ) DK/NA -----	10%

(ASK IF CODES 1-2, 4-6, CARPOOL, VANPOOL, BUS, BART, OR ACE, IN Q18); n=178

21. How much is the COVID-19 pandemic a factor in deciding whether you use a commute alternative to driving alone? Is it a... **(READ LIST)**

A major factor-----	38 %
A minor factor, or -----	20 %
Not a factor at all -----	36 %
(DON'T READ) DK/NA -----	7 %

(ASK IF CODES 7-8, WALKING OR BIKING, IN Q18); n=94

22. **(T)** Which of the following would encourage you to bike or walk? You can select up to three. **(READ LIST)**

Better paths or routes for walking and biking-----	53 %
Information on nearby biking and walking routes-----	10 %
Onsite bike tune ups-----	9 %
More information on riding bikes safely with traffic ---	9 %
Secure and safe bike parking-----	37 %
Guaranteed ride home in an emergency-----	15 %
Shower/change rooms available at workplace -----	24 %
Financial incentives for walking and biking-----	34 %
(DON'T READ) Not interested in walking or biking -	14 %
Other (RECORD VERBATIM)-----	6 %
(DON'T READ) DK/NA -----	4 %

(RESUME ASKING ALL RESPONDENTS)

23. **(T)** Is there anything else that would encourage you to use a commute alternative at least one day per week? **(OPEN-ENDED; RECORD VERBATIM)**

No/None/Nothing-----	44 %
Incentives/Money/Reimbursements/Tax breaks-----	9 %
Carpool/Vanpools/Company bus/School bus -----	6 %
Better schedules/Earlier times/Frequency/Extended hours-----	5 %
Better connections/Transfers/Extended routes-----	4 %
Shorter commute/Closer to job-----	4 %
Cheaper/Reasonable fares/Saving money/Gas prices -----	3 %
Safer/More bike lanes -----	3 %
I work remotely/No commute -----	3 %
Easier/Convenient -----	2 %
More Police/Transit safety-----	2 %
Better/Reliable public transportation -----	1 %
Cleanliness -----	1 %
Parking/Charging stations for vehicles -----	1 %
More stops -----	0 %
Other-----	9 %
Don't know/Unsure -----	2 %
N/A/Refused -----	7 %

24. (T) Which of the following ridesharing/carpooling apps have you used? (READ LIST; ACCEPT MULTIPLE RESPONSES)

Uber	73 %
Lyft	58 %
Scoop	3 %
Waze	15 %
Zimride	0 %
Other	1 %
(DON'T READ) None of the above	20 %
(DON'T READ) DK/NA	0 %

25. (T) What primary Pleasanton street do you use on your way to work? (READ LIST)

Bernal Avenue	9 %
Foothill Road	4 %
Hacienda Drive	14 %
Hopyard Road	12 %
Santa Rita Road	19 %
Stanley Boulevard	7 %
Stoneridge Drive	34 %
Sunol Boulevard	1 %
Vineyard Avenue	0 %

26. (T*) And do you use the same street on your way home? (IF YES, CODE SAME AS Q27; IF NO: "What primary Pleasanton street do you use on your way home from work?" (REPEAT LIST AS NECESSARY)

Bernal Avenue	9 %
Foothill Road	5 %
Hacienda Drive	15 %
Hopyard Road	11 %
Santa Rita Road	16 %
Stanley Boulevard	8 %
Stoneridge Drive	34 %
Sunol Boulevard	1 %
Vineyard Avenue	1 %

27. (T) Which of the following freeway interchanges do you use most often on your way to work? (READ LIST)

680 at Sunol Boulevard	2 %
680 at Bernal Avenue	8 %
680 at Stoneridge Drive	24 %
580 at Foothill Road	5 %
580 at Hopyard Road	5 %
580 at Hacienda Drive	12 %
580 at Santa Rita Road	16 %
(DON'T READ) None of the above/	
Don't use freeway	28 %

28. (T*) How much do you budget for your monthly commute? (OPEN-ENDED; RECORD VERBATIM; IF DON'T KNOW: "How much do you think you spend monthly on commuting?")

< \$100 -----	20%
\$101 - \$200 -----	23%
\$201 - \$300 -----	16%
\$301 + -----	40%
Prefer not to say-----	2%

(OPTIONAL)

29. Lastly, if you would like to be entered in a random drawing to win one of many prizes, what would be the best phone number and email address to reach you?

Phone number: _____

Email address: _____

THANK AND TERMINATE

COMPANY

Astex Pharmaceuticals, Inc. -----	9%
DoubleTree by Hilton Pleasanton -----	4%
Roche Molecular Systems-----	15%
Kaiser Permanente -----	7%
10x Genomics-----	39%
Stanford Health Care Valley Care-----	13%
City of Pleasanton-----	12%

CITY

Pleasanton -----	18%
Dublin -----	9%
Other-----	73%

COUNTY

Alameda-----	57%
Santa Clara -----	8%
Contra Costa -----	17%
San Joaquin-----	10%
Other-----	8%

APPENDIX B

LIST OF PARTICIPATING COMPANIES

PARTICIPATING COMPANIES

Below are the companies and organizations that opted to take part in this study, along with the number of employees from each company.

Company	# of Participants
10x Genomics	196
Astex	46
City of Pleasanton	61
DoubleTree	20
Kaiser	33
Roche	77
Stanford Health	67