## APPENDICES



## APPENDIX A: DEMOGRAPHICS

This appendix includes additional analysis completed regarding demographics of participants. Within these categories, Perks participants had demographics generally comparable to all BART riders or nonparticipants surveyed.

## Gender

Table A- 1. Participation by Gender

|  | MALE | FEMALE | ANOTHER <br> GENDER | N/A | TOTAL | N |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ALL BART RIDERS | $47.5 \%$ | $47.9 \%$ | $0.7 \%$ | $3.9 \%$ | $100.0 \%$ | 5342 |
| ALL CLIPPER USERS | $48 \%$ | $51 \%$ | $1 \%$ |  | $100.0 \%$ | $\mathrm{n} / \mathrm{a}$ |
| PARTICIPANTS | $46.4 \%$ | $49.2 \%$ | $0.5 \%$ | $3.9 \%$ | $100.0 \%$ | 8432 |
| NON-PARTICIPANTS | $47.1 \%$ | $49.6 \%$ | $0.8 \%$ | $2.4 \%$ | $100.0 \%$ | 709 |

## Income Range

Table A- 2. Participation by Income

|  | <\$25 | \$25-\$34 | \$35-\$39 | \$40-\$49 | \$50-\$59 | \$60-\$74 | \$75-\$99 | >\$100K | TOTAL | N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ALL BART RIDERS | 15.7\% | 7.4\% | 3.8\% | 6. 3\% | 7.9\% | 9.6\% | 12.3\% | 37.2\% | 100.0\% | 4892 |
| ALL CLIPPER USERS | 12\% | 6\% | 3\% | 6\% | 8\% | 9\% | 14\% | 43\% | 100.0\% | $\mathrm{n} / \mathrm{a}$ |
| PARTICIPANTS | 3.1\% | 2.9\% | 1.9\% | 4. 1\% | 5. $2 \%$ | 9.3\% | 15.0\% | 58.6\% | 100.0\% | 6781 |
| NON-PARTICIPANTS | 8. $9 \%$ | 6.5\% | 2.4\% | 6. 6\% | 8. 1\% | 8.9\% | 14.7\% | 43.9\% | 100.0\% | 619 |

## Smartphone Availability

Table A- 3. Participation by Smartphone Availability

|  | YES | NO | DON'T KNOW | TOTAL | N |
| :--- | ---: | ---: | ---: | ---: | ---: |
| PARTICIPANTS | $98.2 \%$ | $1.5 \%$ | $0.3 \%$ | $100.0 \%$ | 8420 |
| NON-PARTICIPANTS | $96.8 \%$ | $3.1 \%$ | $0.1 \%$ | $100.0 \%$ | 709 |

Note: Information on smartphone availability for all BART riders or Clipper users is not available.

## Household Size

This table shows that participants are slightly more likely to come from smaller 2-person households, and less likely to come from larger households.

Table A- 4. Participation by Household Size

|  | 1 PERSON | 2 PEOPLE | 3 PEOPLE | 4 PEOPLE | 5 PEOPLE | 6+ PEOPLE | TOTAL | N |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| ALL BART RIDERS | $18.3 \%$ | $31.8 \%$ | $20.8 \%$ | $17.3 \%$ | $6.4 \%$ | $5.4 \%$ | $100.0 \%$ | 5202 |
| ALL CLIPPER USERS | $17.9 \%$ | $34.0 \%$ | $21.0 \%$ | $17.1 \%$ | $5.6 \%$ | $4.5 \%$ | $100.0 \%$ | $\mathrm{n} / \mathrm{a}$ |
| PARTICIPANTS | $18.1 \%$ | $38.4 \%$ | $19.0 \%$ | $16.3 \%$ | $5.2 \%$ | $3.0 \%$ | $100.0 \%$ | 8432 |
| NON-PARTICIPANTS | $16.6 \%$ | $35.3 \%$ | $22.0 \%$ | $14.7 \%$ | $7.2 \%$ | $4.2 \%$ | $100.0 \%$ | 709 |

## APPENDIX B: PARTICIPANT / NON-PARTICIPANT SURVEY RESULTS

This appendix provides a summary of select responses from the two participant surveys compared to responses of the non-participant survey.

Table B- 1. Usual Work Arrival Time

| WORK ARRIVAL TIME | PERKS PARTICIPANTS <br> ROUND 1 | PERKS PARTICIPANTS <br> ROUND 2 | NON-PARTICIPANTS |
| :--- | ---: | ---: | ---: |
| BEFORE 7:30 A.M. | $13.5 \%$ | $12.4 \%$ | $18.6 \%$ |
| BETWEEN 7:30 AND 8:00 A.M. | $16.8 \%$ | $17.8 \%$ | $13.7 \%$ |
| BETWEEN 8:01 AND 8:30 A.M. | $15.7 \%$ | $15.3 \%$ | $14.0 \%$ |
| BETWEEN 8:31 AND 9:00 A.M. | $16.4 \%$ | $16.0 \%$ | $14.8 \%$ |
| BETWEEN 9:01 AND 9:30 A.M. | $19.4 \%$ | $20.3 \%$ | $14.4 \%$ |
| AFTER 9:30 A.M. | $18.3 \%$ | $18.2 \%$ | $24.5 \%$ |
| N | 8432 | 5829 | 709 |

Table B- 2. Rating of Length of Lines at Exit Gates at Your Work Station

| LENGTH OF LINES | PERKS PARTICIPANTS <br> ROUND 1 | PERKS PARTICIPANTS <br> ROUND 2 | NON-PARTICIPANTS |
| :--- | ---: | ---: | ---: |
| $\mathbf{1 - P O O R}$ | $9.5 \%$ | $9.4 \%$ | $4.3 \%$ |
| $\mathbf{2}$ | $8.3 \%$ | $7.9 \%$ | $6.8 \%$ |
| $\mathbf{3}$ | $13.4 \%$ | $12.9 \%$ | $10.6 \%$ |
| $\mathbf{4}$ | $18.6 \%$ | $17.8 \%$ | $14.6 \%$ |
| $\mathbf{5}$ | $19.0 \%$ | $19.2 \%$ | $19.0 \%$ |
| $\mathbf{6}$ | $18.0 \%$ | $19.5 \%$ | $22.3 \%$ |
| $\mathbf{7 - E X C E L L E N T}$ | $13.2 \%$ | $13.3 \%$ | $22.4 \%$ |
| $\mathbf{N}$ | 8403 | 5808 | 705 |

Figure B- 1. Frequency of Standing


## APPENDIX C: CHANGE IN PEAK HOUR TRAVEL

This appendix provides detail on the cross-sectional analysis summarized in Chapter 4.

## Commute Frequency

Table C - 1 and Table C - 2 summarize the percent shift in total trips by hour from the BART Perks program by traveler commute frequency for the system overall and in the Transbay corridor, respectively. In both tables, noticeable reductions in peak hour shares are observable across all commute frequencies, with the most pronounced reductions made by infrequent commuters ( $0-1$ times/week) and very frequent commuters ( $>3.5$ times/week). The high reduction by infrequent commuters may be explained more by the lack of variability in their travel patterns rather than due to their participation in Perks.

Table C-1. Shift in Total Trips by Hour by BART Commute Frequency

| SHARES OF TRIPS BY PERIOD- CHANGE <br> DURING VERSUS PRE | $\mathbf{0}$ TO 1 <br> TIMES/WEEK | $\mathbf{1}$ TO 2.5 <br> TIMES/WEEK | $\mathbf{2 . 5}$ TO 3.5 <br> TIMES/WEEK | OVER 3.5 <br> TIMES/WEEK |
| :--- | ---: | ---: | ---: | ---: |
| EARLY A.M. | $-12.6 \%$ | $-3.4 \%$ | $-6.7 \%$ | $-3.2 \%$ |
| EARLY BONUS HOUR | $-9.0 \%$ | $1.1 \%$ | $5.0 \%$ | $7.2 \%$ |
| PEAK HOUR | $-16.9 \%$ | $-11.0 \%$ | $-10.8 \%$ | $-13.0 \%$ |
| LATE BONUS HOUR | $-4.8 \%$ | $5.0 \%$ | $8.2 \%$ | $7.8 \%$ |

Table C-2. Shift in A. M. Westbound Transbay Trips by Hour by BART Commute Frequency

| SHARES OF TRIPS BY PERIOD- CHANGE <br> DURING VERSUS PRE | $\mathbf{0}$ TO $\mathbf{1}$ <br> TIMES/WEEK | $\mathbf{1}$ TO 2.5 <br> TIMES/WEEK | $\mathbf{2 . 5}$ TO 3.5 <br> TIMES/WEEK | OVER 3.5 <br> TIMES/WEEK |
| :--- | ---: | ---: | ---: | ---: | ---: |
| EARLY A.M. | $-2.2 \%$ | $-2.6 \%$ | $-6.3 \%$ | $-2.1 \%$ |
| EARLY BONUS HOUR | $-5.4 \%$ | $1.7 \%$ | $3.2 \%$ | $6.5 \%$ |
| PEAK HOUR | $-20.7 \%$ | $-13.1 \%$ | $-10.1 \%$ | $-15.0 \%$ |
| LATE BONUS HOUR | $-0.1 \%$ | $6.7 \%$ | $8.1 \%$ | $11.6 \%$ |

Excluding infrequent commuters, Figure C-1 illustrates the change in peak hour trips by commute frequency and shows that those who commute most frequently exhibited the greatest relative drop in the share of peak hour trips, but there is not a clear linear relationship between commute frequency and degree of shift.

Figure C - 1. Percent Reduction in Peak Hour Trips by Commute Frequency


## Commute Distance

Staff summarized the percent shift in total trips by hour from the BART Perks program by traveler commute distance for the system overall and in the Transbay corridor, respectively. Staff observed reductions in peak hour shares across all commute distances, with the most pronounced reductions made by longer distance commuters. Overall, it shows more shifting to the earlier bonus hour than to the late bonus hour, with this pattern especially pronounced amongst the longest distance commuters.

Figure C - 2 illustrates the change in peak hour trips by commute distance and shows that those who commute the longest distance overall showed the greatest reduction in peak hour trips. It also shows a comparable reduction in peak hour trips in the A.M. Transbay inbound travel market.

Figure C-2. Percent Reduction in Peak Hour Trips by Commute Distance


Table C-3 shows that participants with trips greater than 30 miles long shifted at higher rates to the earlier bonus hour as well as the early morning period before then. In contrast, participants with shorter commute distances shifted to the early and late bonus hours at similar rates.

Table C - 3. Shift in Total Trips by Hour by BART Commute Distance

| SHARES OF TRIPS BY PERIOD- <br> CHANGE DURING VERSUS PRE | $\mathbf{0 - 1 0}$ MILES | $\mathbf{1 0 - 2 0}$ MILES | $\mathbf{2 0 - 3 0}$ MILES | OVER $\mathbf{3 0}$ MILES | TOTAL |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| EARLY A.M. | $-5.7 \%$ | $-7.0 \%$ | $-6.5 \%$ | $7.4 \%$ | $\mathbf{- 3 . 5 \%}$ |
| EARLY BONUS HOUR | $5.9 \%$ | $8.9 \%$ | $9.0 \%$ | $8.9 \%$ | $8.5 \%$ |
| PEAK HOUR | $-10.2 \%$ | $-11.2 \%$ | $-13.1 \%$ | $-14.5 \%$ | $-11.8 \%$ |
| LATE BONUS HOUR | $5.1 \%$ | $7.4 \%$ | $7.6 \%$ | $2.6 \%$ | $5.8 \%$ |

Table C-4. Shift in A. M. Inbound Transbay Trips by Hour by BART Commute Distance: All Participants

| SHARES OF TRIPS BY PERIOD- <br> CHANGE DURING VERSUS PRE | $\mathbf{0 - 1 0}$ MILES | $\mathbf{1 0 - 2 0}$ MILES | $\mathbf{2 0 - 3 0}$ MILES | OVER 30 MILES | TOTAL |
| :--- | :---: | :---: | :---: | :---: | :---: |
| EARLY A.M. | $0.7 \%$ | $-7.2 \%$ | $-7.8 \%$ | $8.6 \%$ |  |
| EARLY BONUS HOUR | $4.2 \%$ | $7.4 \%$ | $8.9 \%$ | $8.7 \%$ |  |
| PEAK HOUR | $-14.3 \%$ | $-12.0 \%$ | $-13.0 \%$ | $-14.4 \%$ | $-13.2 \%$ |
| LATE BONUS HOUR | $8.6 \%$ | $8.5 \%$ | $8.3 \%$ | $3.1 \%$ | $7.4 \%$ |

## Age Range

There were minimal differences in percent reduction of peak hour trips across age ranges below 65 . Participants age 65 and over had the greatest percent reduction, which is likely due to a small sample size of participants in that subgroup ( 270 participants were aged 65 or older, out of almost 18,000 total participants) or to older participants having more scheduling flexibility than others.

Figure C-3. Percent Reduction in Peak Hour Trips by Age


## Gender

Table C - 4 summarizes the reduction in peak hour trips by gender, and illustrates that men showed slightly greater reductions in peak hour trips, although people who did not identify as either male or female had even greater reductions in peak hour travel. Similar to participants age 65 and over, there was a small sample size of participants that did not identify their gender.

Figure C-4. Percent Reduction in Peak Hour Trips by Gender


## Race/Ethnicity

Figure C-5. Percent Reduction in Peak Hour Trips by Race/ Ethnicity


## Type of Work

Participants who worked in education, government and information technology sectors shifted at the highest rates compared to participants in other types of work.

Figure C-6. Percent Reduction in Peak Hour Trips by Industry Sector


## Income Range

Figure C-7. Percent Reduction in Peak Hour Trips by Income


## Satisfaction

Figure C-8. Percent Reduction in Peak Hour Trips by Satisfaction with BART


Figure C-9. Percent Reduction in Peak Hour Trips by Satisfaction with BART Perks Program


## Game Engagement

Figure C-10. Percent Reduction in Peak Hour Trips by Game Engagement


## Mileage vs. Trip-based

Figure C-11. System-wide Share of Trips by Hour and Trip Distance for Mileage-based and Trip-based Incentives


## APPENDIX D: ENGAGEMENT AND REDEMPTION

## Participant Engagement and Status

## Status \& Age Range

Table D-1 summarizes the distribution of engagement level within each age group. While there were not significant differences in status trajectory by age group, it appears that participants aged 35-49 achieved and maintained the highest status, while participants aged 65 and over generally maintained the lowest status levels. Age 65+ had the highest share in Group E (35.3\%), showing a large portion of the age group ended up in the lowest status and were not as engaged as others.

Table D - 1. Change in Status by Age

|  | GROUP | A | B | C | D | E |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| ALWAYS 4 | EARLY 4, <br> ALWAYS 2+ | EARLY 3, <br> ALWAYS 2+ | EARLY 4, <br> DROP BELOW 2 | EARLY 3, <br> DROP BELOW 2 | OTHER | N |  |
| AGE 18-34 | $22.5 \%$ | $24.0 \%$ | $15.3 \%$ | $9.7 \%$ | $24.4 \%$ | $4.1 \%$ | 4921 |
| AGE 35-49 | $26.3 \%$ | $26.0 \%$ | $14.0 \%$ | $7.6 \%$ | $22.4 \%$ | $3.7 \%$ | 2818 |
| AGE 50-64 | $28.7 \%$ | $21.5 \%$ | $12.4 \%$ | $7.8 \%$ | $25.7 \%$ | $3.9 \%$ | 1006 |
| AGE 65 UP | $27.7 \%$ | $12.6 \%$ | $11.8 \%$ | $2.5 \%$ | $35.3 \%$ | $10.1 \%$ | 119 |
| N | 2167 | 2143 | 1285 | 774 | 2134 | 358 | 8861 |

## Status \& Game Engagement

Participants were able to use points earned to win cash prizes by either using an autoplay function that was essentially a random rewards generator, or by playing a simple game. Those who used both autoplay and played the game interactively achieved and maintained the highest status levels, while those who neither used autoplay nor the game (and thus chose the cash-buyout) had the lowest status levels. Participants who played the game only had higher status than participants who autoplayed only.

Table D-2. Change in Status by Game Engagement

|  | GROUP | A | B | C | D | E |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ALWAYS 4 | EARLY 4, <br> ALWAYS 2+ | EARLY 3, <br> ALWAYS 2+ | EARLY 4, <br> DROP BELOW 2 | EARLY 3, <br> DROP BELOW 2 | OTHER |


| NEITHER | $0.0 \%$ | $2.3 \%$ | $3.0 \%$ | $9.1 \%$ | $51.5 \%$ | $34.1 \%$ | 132 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{N}$ | 2167 | 2143 | 1285 | 774 | 2134 | 358 | 8861 |

## Status and Satisfaction with BART and Perks

Table D - 3 summarizes status achievement and trajectory by satisfaction with BART overall. Interestingly, those participants who achieved and maintained the highest status were the least satisfied with BART, while those with the lowest status appeared to be slightly more satisfied with BART.

Table D - 3. Change in Status by Satisfaction with BART (Round 2 Survey)

|  | GROUP | A | B | C | D | E |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ALWAYS 4 | EARLY 4, <br> ALWAYS 2+ | EARLY 3, <br> ALWAY 2+ | EARLY 4, <br> DROP BELOW 2 | EARLY 3, <br> DROP BELOW 2 | OTHER | N |
| VERY DISSATISFIED | $35.4 \%$ | $24.0 \%$ | $10.5 \%$ | $6.9 \%$ | $21.1 \%$ | $2.1 \%$ | 421 |
| SOMEWHAT DISSATISFIED | $30.7 \%$ | $25.7 \%$ | $13.5 \%$ | $7.2 \%$ | $20.4 \%$ | $2.5 \%$ | 942 |
| NEUTRAL | $28.0 \%$ | $22.4 \%$ | $15.5 \%$ | $9.2 \%$ | $21.1 \%$ | $3.8 \%$ | 1009 |
| SOMEWHAT SATISFIED | $25.6 \%$ | $25.4 \%$ | $14.5 \%$ | $7.8 \%$ | $22.6 \%$ | $4.2 \%$ | 2421 |
| VERY SATISFIED | $24.1 \%$ | $21.9 \%$ | $15.0 \%$ | $9.9 \%$ | $24.7 \%$ | $4.4 \%$ | 607 |

Table D-4 reports status achievement and trajectory by satisfaction with the BART Perks program specifically. Unsurprisingly, those with the highest status levels were most satisfied with the program, while those with the lowest status were most dissatisfied.

Table D - 4. Change in Status by Satisfaction with BART Perks Program (Round 2 Survey)

|  | GROUP | A | B | C | D | E |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ALWAYS 4 | EARLY 4, <br> ALWAYS | EARLY 3, <br> ALWAY 2 + | EARLY 4, <br> DROP BELOW 2 | EARLY 3, <br> DROP BELOW 2 | OTHER | N |
| VERY DISSATISFIED | $19.1 \%$ | $14.7 \%$ | $8.8 \%$ | $10.3 \%$ | $41.2 \%$ | $5.9 \%$ | 68 |
| SOMEWHAT DISSATISFIED | $13.3 \%$ | $20.4 \%$ | $17.6 \%$ | $7.1 \%$ | $35.7 \%$ | $5.9 \%$ | 255 |
| NEUTRAL | $18.8 \%$ | $21.0 \%$ | $14.5 \%$ | $8.3 \%$ | $29.8 \%$ | $7.6 \%$ | 805 |
| SOMEWHAT SATISFIED | $35.5 \%$ | $24.3 \%$ | $13.5 \%$ | $8.3 \%$ | $15.8 \%$ | $2.6 \%$ | 1876 |
| VERY SATISFIED | $26.0 \%$ | $26.3 \%$ | $14.4 \%$ | $8.1 \%$ | $22.3 \%$ | $3.0 \%$ | 2396 |

Table D - 5. Share of Points Redeemed by Source by Age

|  | $\mathbf{1 8 ~ T 0 ~ 2 4}$ | $\mathbf{2 5}$ T0 34 | $\mathbf{3 5}$ T0 44 | $\mathbf{4 5}$ T0 54 | $\mathbf{5 5}$ T0 64 | 65+ | N/A |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AUTOPLAY | $75.3 \%$ | $79.3 \%$ | $84.8 \%$ | $85.6 \%$ | $86.3 \%$ | $95.2 \%$ | $74.1 \%$ |
| GAME | $24.0 \%$ | $19.7 \%$ | $14.2 \%$ | $13.8 \%$ | $13.0 \%$ | $4.8 \%$ | $24.2 \%$ |

## Reward Earnings

## Rewards by Age Range

Figure D-1 shows that, on average, people aged 45 to 64 earned the most points. The highest level of average earnings was by people who preferred not to state their age, although this group represented approximately $1 \%$ of all program participants.

Figure D-1. Average Points Awarded by Age


## Rewards by Type of Work

There was a significant variation in the rewards earned by type of work. People in Finance and Banking had the highest levels of rewards earning, while people working in education and service industries had the lowest levels of rewards earnings, excluding those unemployed or retired. Workers in the IT and Retail industries had the highest levels of rewards from friend invites, although these comprised a very small share of the total awards even for workers in these industries.

Figure D-2. Average Points Awarded by Type of Work


## Rewards Redemption

## Redemption by Type of Work

Variations in redemption were also observed by employment sector and by income, as shown in Table D-6 and Table D-7. Government, Education and Service sector employees redeemed points using the game at higher rates than participants in other sectors.

Table D - 6. Share of Points Redeemed by Source Type of Work

|  | ED | FIN | GOVT | HEALTH | IT | SVC | OTHER | PROF | RETAIL | RETIRE | UNEMP |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| AUTOPLAY | $79.5 \%$ | $84.3 \%$ | $78.2 \%$ | $82.5 \%$ | $80.1 \%$ | $78.9 \%$ | $85.7 \%$ | $82.9 \%$ | $82.8 \%$ | $89.6 \%$ | $83.1 \%$ |
| GAME | $19.5 \%$ | $14.9 \%$ | $20.7 \%$ | $16.1 \%$ | $19.3 \%$ | $20.1 \%$ | $13.5 \%$ | $16.3 \%$ | $16.2 \%$ | $10.4 \%$ | $15.6 \%$ |

## Redemption by Income Range

Very low and moderate-income participants tended to redeem points through the game at higher rates than other income levels, although the pattern there had some exceptions.

Table D-7. Share of Points Redeemed by Income Range

|  | $\mathbf{<} \mathbf{2 5 K}$ | $\mathbf{\$ 3 5 K}$ | $\mathbf{\$ 4 0 K}$ | $\mathbf{\$ 5 0 K}$ | $\mathbf{\$ 6 0 K}$ | $\mathbf{\$ 7 5 K}$ | $\mathbf{\$ 1 0 0 K}$ | $\mathbf{\$ 1 5 0 K}$ | $\mathbf{\$ 2 0 0 K}$ | $\mathbf{> \$ 2 0 0 K}$ | $\mathbf{N} / \mathbf{A}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| AUTOPLAY | $76.4 \%$ | $83.0 \%$ | $85.7 \%$ | $77.5 \%$ | $78.1 \%$ | $82.7 \%$ | $82.7 \%$ | $82.8 \%$ | $83.4 \%$ | $81.8 \%$ | $80.2 \%$ |
| GAME | $22.6 \%$ | $16.9 \%$ | $13.9 \%$ | $21.3 \%$ | $21.0 \%$ | $16.7 \%$ | $16.3 \%$ | $16.4 \%$ | $16.1 \%$ | $17.7 \%$ | $18.2 \%$ |

## APPENDIX E: SUMMARY OF OPEN-ENDED RESPONSES

Perks participants provided over 7,000 open-ended responses to the program. The table below provides a classification of responses by minor theme and major theme. Table E-1 lists the major themes and Table E-2 lists both the major and minor themes.

Table E-1. Major Themes: Open-Ended Responses

| THEME \# | DESCRIPTION | NUMBER OF <br> RESPONSES |
| :--- | :--- | ---: |
| $\mathbf{1}$ | Desire for different or expanded ways to earn points | 1869 |
| $\mathbf{2}$ | Increase or improve rewards | 1120 |
| $\mathbf{3}$ | Provide different payout options | 1241 |
| $\mathbf{4}$ | Positive comments about the program | 658 |
| $\mathbf{5}$ | Didn't like Spin-to-Win/ Autoplay component | 454 |
| $\mathbf{6}$ | Other | 1980 |

Table E-2. Open-Ended Responses by Major and Minor Themes

|  | SURVEY 1 | SURVEY 2 | SUM | MAJ OR <br> THEME \# |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Desire for different bonus hours | 559 | 333 | 892 | 1 |
| General positive comment | 329 | 303 | 632 | 4 |
| Desire for evening bonus hours | 356 | 259 | 615 | 1 |
| Desire for rewards through Clipper | 335 | 233 | 568 | 3 |
| Rewards are too low | 286 | 210 | 496 | 2 |
| Didn't like PayPal | 118 | 167 | 285 | 3 |
| Didn't like the Spin-to-Win game | 85 | 121 | 206 | 5 |
| Desire for better rewards | 275 | 119 | 394 | 2 |
| Desire for miscellaneous other reward | 3 | 95 | 98 | 3 |
| Commented on BART service | 111 | 90 | 201 | 6 |
| Found program complicated/ difficult to understand | 142 | 83 | 225 | 6 |
| Desire for alternative point calculation/ earning | 3 | 73 | 76 | 1 |
| Desire for improved website | 79 | 65 | 144 | 6 |


| Desire for more payout options | 120 | 57 | 177 | 3 |
| :---: | :---: | :---: | :---: | :---: |
| Desire for more frequent rewards | 69 | 57 | 126 | 2 |
| General negative comment | 37 | 56 | 93 | 1 |
| Desire for more ways to earn points | 69 | 53 | 122 | 1 |
| Had issues with PayPal | 113 | 52 | 165 | 6 |
| Desire for off-peak fare discount | 42 | 48 | 90 | 6 |
| Found Spin-to-Win game complicated | 21 | 46 | 67 | 5 |
| Felt that there was a low probability of winning the game | 81 | 45 | 126 | 5 |
| Doubted the effectiveness of the program | 32 | 40 | 72 | 6 |
| Desire for more transparency of the award system | 27 | 40 | 67 | 6 |
| Desire for an app | 52 | 39 | 91 | 6 |
| Desire for improved game design | 91 | 37 | 128 | 6 |
| Desire for improved marketing | 45 | 36 | 81 | 6 |
| Felt that the program had no impact on their travel behavior | 24 | 36 | 60 | 6 |
| Preferred points per mile base earning structure (Note: only tallied for survey 2 after point earning structure had changed) | n/a | 33 | 33 | 6 |
| Desire for better tracking system | 35 | 33 | 68 | 6 |
| Desire for rewards for loyalty | 3 | 29 | 32 | 6 |
| Desire for BART parking related reward | 27 | 28 | 55 | 2 |
| Miscellaneous comment on communications of program | 2 | 28 | 30 | 6 |
| Desire for rewards by travel distance | 11 | 27 | 38 | 1 |
| Desire for reward levels to be linked to cost of BART | 3 | 27 | 30 | 2 |
| Desire for better notification of activity | 91 | 25 | 116 | 6 |
| Desire for reward of a free BART ride | 39 | 25 | 64 | 3 |
| Didn't like AutoPlay for Spin-to-Win game | 32 | 22 | 54 | 5 |
| Desire for different games | 26 | 22 | 48 | 6 |
| Desire for better instructions for program | 17 | 22 | 39 | 6 |
| Had strict working hours barrier | 20 | 19 | 39 | 6 |
| Felt that the program changed their travel behavior | 8 | 18 | 26 | 4 |
| Desire for reward of a discounted BART ticket | 3 | 17 | 20 | 3 |
| Desire for station specific bonus hours | 22 | 16 | 38 | 6 |
| Desire for a weekend travel bonus | 2 | 16 | 18 | 1 |


| Desire for better user engagement | 19 | 15 | 34 | 6 |
| :---: | :---: | :---: | :---: | :---: |
| Had problems with the system settings | 23 | 13 | 36 | 6 |
| Liked AutoPlay for Spin-to-Win game | 10 | 13 | 23 | 6 |
| Would prefer if money spent on incentives went to BART improvements instead | 2 | 8 | 10 | 6 |
| Liked the email notices | 1 | 8 | 9 | 6 |
| Liked PayPal | 3 | 7 | 10 | 6 |
| Desire to see program partnership with other transit agencies | 1 | 7 | 8 | 6 |
| Found website to be not mobile compatible | 19 | 5 | 24 | 6 |
| Could not register multiple Clipper cards | 15 | 5 | 20 | 6 |
| Desire for more points during non-peak hours | 6 | 5 | 11 | 1 |
| Felt that there were errors with point calculation | 9 | 4 | 13 | 6 |
| Desire for rewards to go to charity | 7 | 4 | 11 | 3 |
| Felt it was difficult to accumulate points | 17 | 2 | 19 | 2 |
| Desire for better customer service | 9 | 2 | 11 | 6 |
| Desire for reward of seating on BART | 2 | 2 | 4 | 3 |
| Desire for reward for taking other transportation alternatives | 13 | 1 | 14 | 3 |
| Desire for points to be displayed at fare gates | 3 | 1 | 4 | 6 |
| Desire for program to link to BARTtable rider discounts, giveaways and events program | 3 | 1 | 4 | 6 |
| Desire for reward if you are a Clipper Card Auto-load user | 2 | 1 | 3 | 1 |
| Don't use Clipper | 1 | 1 | 2 | 6 |
| Felt they had a better chance to win with Autoplay | 3 | 0 | 3 | 6 |
| Can't register discount ticket | 1 | 0 | 1 | 6 |
| Felt they were less likely to win with Autoplay | 1 | 0 | 1 | 5 |
| Desire for rewards for not using congested stations | 1 | 0 | 1 | 1 |
| Felt program was unfair for shorter trips | 1 | 0 | 1 | 6 |

