

Kaua'i

Multimodal Land Transportation Plan

APPENDIX E KAUA'I RESIDENT TRAVEL SURVEY SUMMARY OF RESULTS



Kauai Resident Travel Survey: Summary of Results

Kauai Multimodal Land
Transportation Plan

Charlier Associates, Inc.
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Executive Summary

This report summarizes the findings from the Kauai Resident Travel Survey conducted in August, 2011 as part of the Kauai Multimodal Land Transportation Plan. The data presented here relates to travel behavior, household characteristics, and vehicle characteristics of Kauai residents. A total of two hundred and seventy two residents of Kauai participated in the survey. Key findings are highlighted here:

General Characteristics

- The survey sample closely matches both the actual age and actual geographic distribution of Kauai residents as reported by the U.S. Census Bureau in 2010

Trip Characteristics

- Lihue generates a high number of trips:
 - 65% of employed residents work in Lihue
 - 45% of all trips ended in the Lihue District
 - The farther people live from Lihue the more miles they travel on average per day
 - 44% of all trips were to places other than work, home or school
 - The average number of trips per day was 4.2
 - The average trip length was 8 miles
 - 52% of all trips were 5 miles or less
 - Kauai residents traveled an average of 35 miles per day, including 28 miles by car, and 18 miles by single occupant vehicle (SOV)
 - Kauai residents average 8,350 Vehicle Miles Traveled (VMT) per person per year
 - Residents of the North Shore and West Side travel an average of more than twice what residents in Lihue travel in a day
 - Mode share of Kauai residents:
 - Drove alone: 52%
 - Carpool: 31%
 - Walk: 8%
 - The Kauai Bus: 8%
 - Bicycle: 1%
 - Mode share by district:
 - Trips exclusively within the West Side showed the highest share of walk trips of any district on the island (21%)
 - Trips exclusively within Lihue showed the lowest share of walk trips of any district on the island (9%)
 - Residents of the West Side had the highest share of walk trips (12%) and transit trips (15%) of anywhere on the island
 - The Kauai Bus is used mostly for longer trips:
 - The Kauai Bus accounted for 13% of all trips between districts, but less than 5% of trips within each district
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- Only 4% of trips 1-5 miles in length were by the Kauai Bus, while 25% of trips 21-30 miles in length were by the Kauai Bus
 - Over 60% of trips less than a mile in length were made by driving

Transportation Access

- 93% of residents 16 years of age and older had access to a car
- Only 7% of residents 16 years of age and older had a bus pass for the Kauai Bus (excluding KCC students and county employees whose I.D. works as a bus pass)
- The average household size was 3.0
- Households owned 2.4 vehicles and 1.4 bicycles on average
- 94% of households owned at least one vehicle,
- Only 65% of households owned at least one bicycle
- All of those surveyed from the North Shore and only 97 % of those surveyed in the East Side have access to a vehicle, while 90% of people surveyed in the other districts did have access to a vehicle

Food Access

- 45% of island residents have a fruit/vegetable garden (trends were similar for each district)
- The average distance to a grocery store for Kauai residents is 3.1 miles
- Residents of Koloa-Poipu-Kalaheo, the East Side and North Shore travel on average 1-1.5 miles farther to reach a grocery store than residents of the West Side and Lihue

Primary Vehicle Attributes

- Of the primary vehicles used by those surveyed, 92% were gasoline powered, 3% were diesel powered and 5% were hybrids. Less than 1% were electric, LP or CNG powered
- The average age of people's primary vehicle was 7 years and on average those vehicles got 24 miles per gallon (mpg)

Survey Goals and Methodology

A travel survey aimed at measuring the travel behavior of Kauai residents was conducted in August 2011 as part of the Kauai Multimodal Land Transportation Plan (MLTP). The survey included a travel diary and a series of questions related to travel behavior (including job location, bus pass ownership, household and vehicle characteristics, and food access). The target group of the survey was primarily residents of Kauai 16 years of age and older. Surveys were advertised and distributed at the five public workshops held on Kauai in August as part of the Kauai MLTP, as well as during the Kauai County Farm Fair. Surveys were also distributed to employees of Kauai County and employees of the Hyatt in Poipu. Both a paper and online survey were made available. While resource constraints limited the ability to conduct a completely random distribution process that would have made the results more statically significant, 272 surveys were returned, which has provided useful insight into the travel patterns of Kauai Residents.

Survey Results

The results of this survey presented in this section are organized into these seven general categories:

1. **General Characteristics of Respondents**
2. **Job Location**
3. **Travel Diary Results**
4. **Household Characteristics**
5. **Transportation Access**
6. **Food Access**
7. **Attributes of Primary Vehicle Owned**

General Characteristics of the Respondents

Figure 1 shows how the distribution of respondents by district compares to the actual 2010 population distribution between each district as reported by the U.S. Census Bureau¹. The closer the column pairs match for each district, the more accurately the sample of respondents is to the actual population distribution on Kauai. Residents of the Koloa-Poipu-Kalaheo district are a little overrepresented in this survey, while those from the East Side and North Shore are slightly underrepresented, but overall the geographic distribution of those surveyed is reasonably close to the actual distribution of Kauai's population. Similarly, figure 2 shows that the age distribution of respondents fairly closely matches the actual 2010 age distribution of the population that is 16 or older on Kauai². The 25-65 age group is slightly overrepresented, while the 16-24 age group is slightly underrepresented. The target audience for this survey was primarily those who were 16 or older. However, it should be noted that in 2010 those under the age of 16 represented 20% of the population of Kauai².

¹ U.S. Census Bureau. American Factfinder. 2010 Population by Census Tract for Kauai County. <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>, Accessed August, 2011.

² U.S. Census Bureau. American Factfinder. 2010 Population by Age for Kauai County. <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>, Accessed September, 2011.

Figure 1: Where Kauai Residents Live

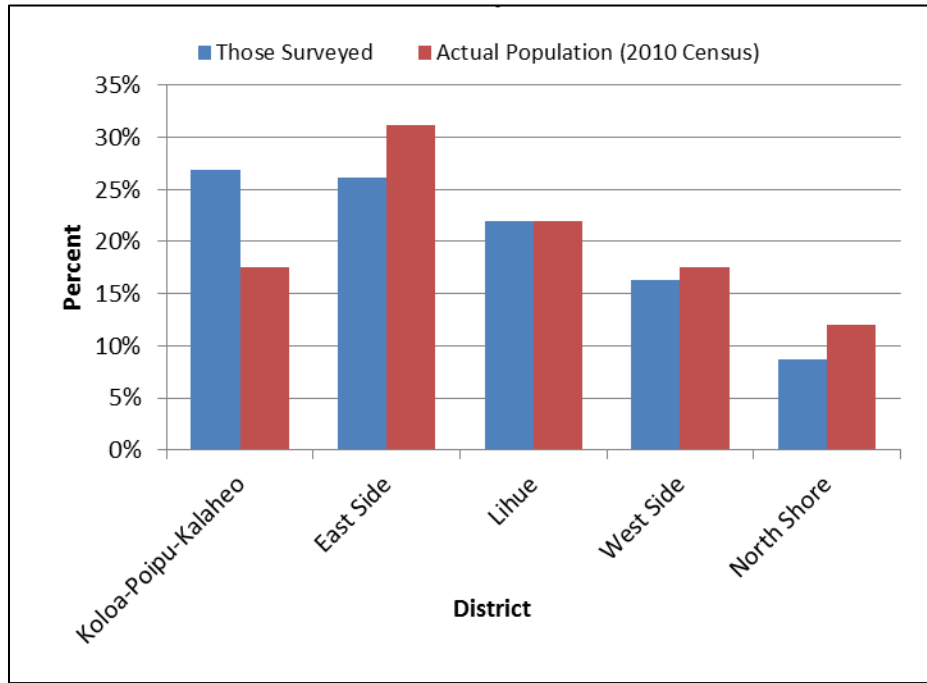
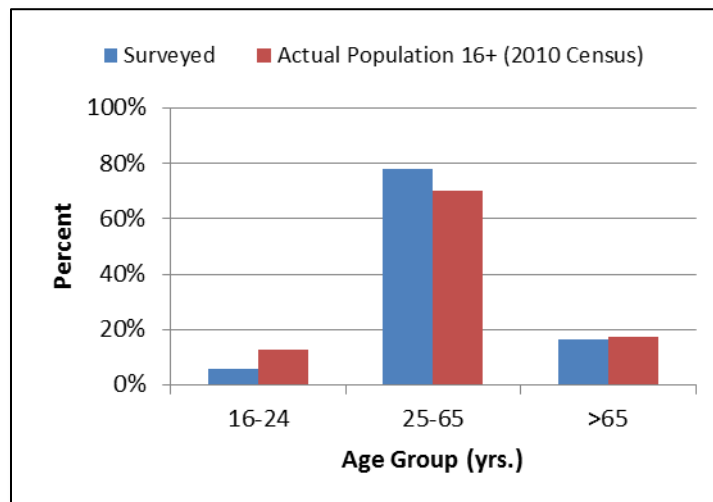


Figure 2: Age Distribution of Survey Respondents



Job Location

Figure 3 shows the jobs locations of those surveyed as well as where people live. While residences are fairly evenly distributed among the five districts of Kauai, jobs are heavily concentrated in Lihue. Sixty five percent of employees surveyed reported working in Lihue. Koloa-Poipu-Kalaheo had the second highest number of employees (16%), while the West Side had the fewest (4%).

Figure 3: Job and Home Location of Survey Respondents

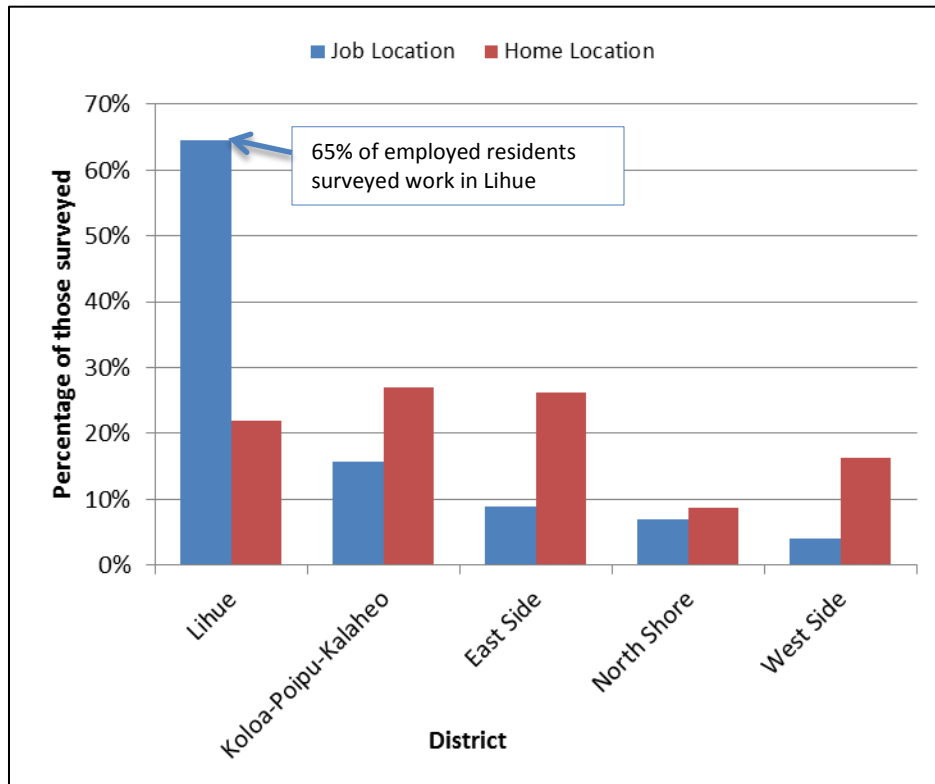


Figure 4 and Table 1 show where residents of each district reported working. For example, 20% of employed residents living in the East Side reported also working in that district, and 70% reported working in Lihue. In each district (with the exception of the North Shore) more than half of all employed respondents commuted to Lihue for work, including over 90% of employed residents in Lihue. In each district the second most common job location was in the respondents' home district. The North Shore and Koloa-Poipu-Kalaheo districts had a high percentage of residents working within their respective district. Fifty nine percent of employees living in the North Shore also worked in the North Shore and 46% of employees living in the Koloa-Poipu-Kalaheo District also worked in the Koloa-Poipu-Kalaheo District. The percentage of employees working within their district of residence was much lower for those living in the East Side and West Side (20% and 21% respectively), meaning the vast majority of people living in these districts were commuting outside of their home district to get to work, primarily to Lihue.

Figure 4: Job Location by Home District of Employed Survey Respondents

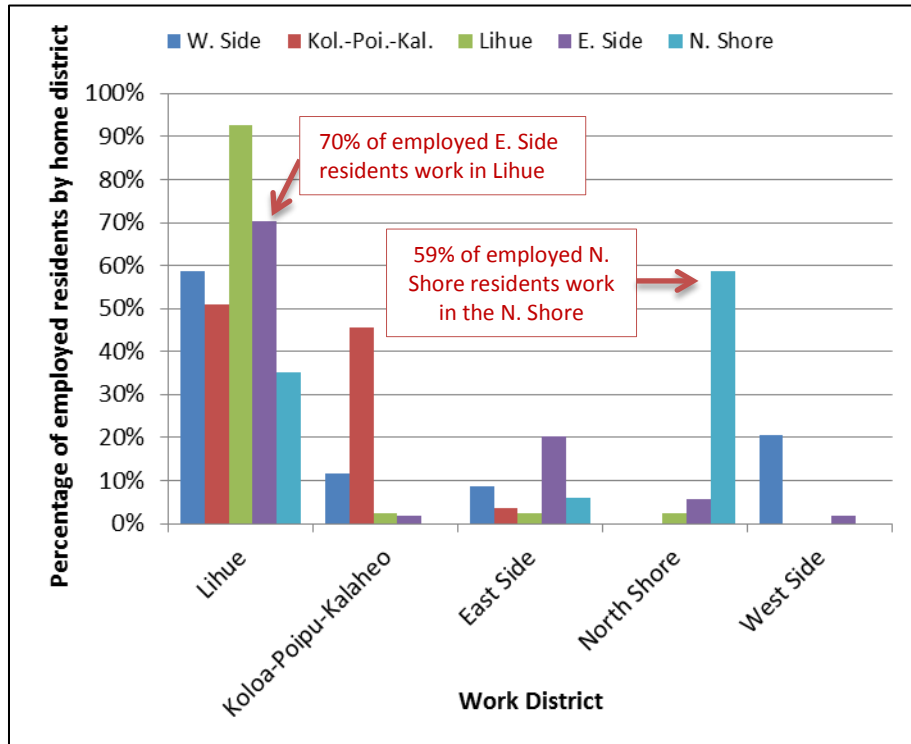


Table 1: Job Location by Home District of Employed Survey Respondents

Work District	Home District				
	W. Side	Kol.-Poi.-Kal.	Lihue	E. Side	N. Shore
Lihue	59%	51%	93%	70%	35%
Koloa-Poipu-Kalaheo	12%	46%	2%	2%	0%
East Side	9%	4%	2%	20%	6%
North Shore	0%	0%	2%	6%	59%
West Side	21%	0%	0%	2%	0%

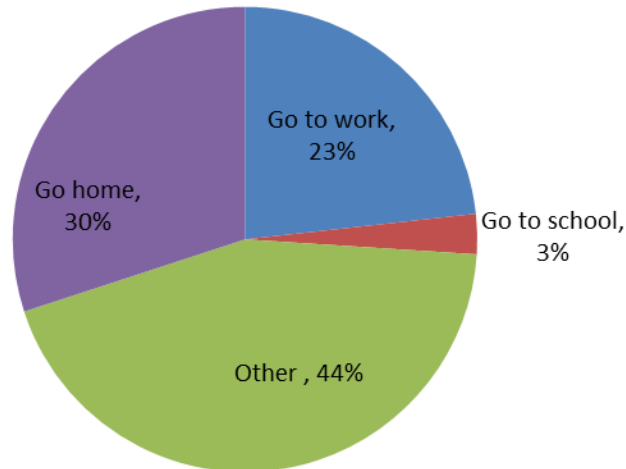
Travel Diary Results

Survey respondents were asked to complete a travel diary for a recent weekday. Respondents recorded information by trip, defined as a one way journey that is more than 500 feet in length. For example walking three blocks, then catching the bus five miles to work would be two trips. Alternatively, driving to work, walking two blocks to lunch, walking back to work, driving to pick up groceries and driving home would be five trips. For each trip, respondents entered their trip purpose, mode of transportation, distance traveled and the town they ended their trip in. The following is a summary of the results of the travel diary.

Trip Purpose

Figure 5 shows the ratio of trips that Kauai residents made by four primary trip purposes: trips to work, to school, to home and other locations. While 23% of trips made were to work (and many of the 30% of trips made home were likely from work) almost half (44%) of all trips made by Kauai residents were to locations other than home, work and school. These locations include grocery stores, retail stores, doctors' offices, family/friends' houses, parks/beaches, etc.

Figure 5: Trip Purpose of Kauai Residents Surveyed



Mode Share

Figure 6 shows the mode share of Kauai residents surveyed. Over half of all trips made were in single occupant vehicles, and over 80% of all trips made were by vehicle. Only 1% of trips were made by bicycle.

Figure 6: Reported Mode Share of Kauai Residents

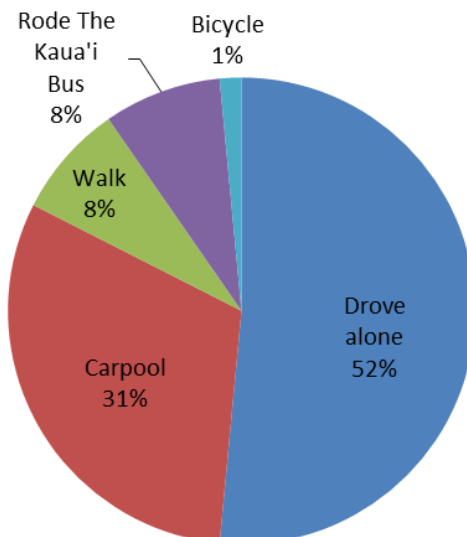


Figure 7 shows mode share by work trips. More people drove alone for work trips (62%) than other trips, and slightly more people took the Kauai Bus for work trips (10%) than other trip types. People tended to carpool less and walk less for work trips than other trips.

Figure 8 and table 2 show how the mode share reported in this survey compares to the “actual” mode share reported in the 2005-09 American Community Survey (ACS) for Kauai County³.

Bicycle and carpool mode shares are similar for both surveys; however, the single occupant vehicle mode share is substantially underrepresented in the travel survey, while the walk share and transit share are very overrepresented. While ridership on the Kauai Bus has increased significantly in the past few years, it did not increase by a factor of 2,000 as the travel survey results would indicate. Instead, these results confirm that Kauai Bus riders are overrepresented in the survey sample.

Table 2: Kauai Work Trip Mode Share

<i>Mode</i>	<i>Reported</i>	<i>Actual (ACS)³</i>
Drove alone	68.0%	83.8%
Carpooled	16.8%	13.8%
Walked	4.0%	1.4%
Rode The Kauai Bus	10.4%	0.4%
Bicycled	0.8%	0.6%
Other	0.0%	1.3%

³ U.S. Census Bureau. 2005-09 American Community Survey (ACS). Mode Share for Work Trips, Kauai County.
http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=, Accessed October, 2011.

Figure 7: Reported Mode Share of Work Trips in Kauai

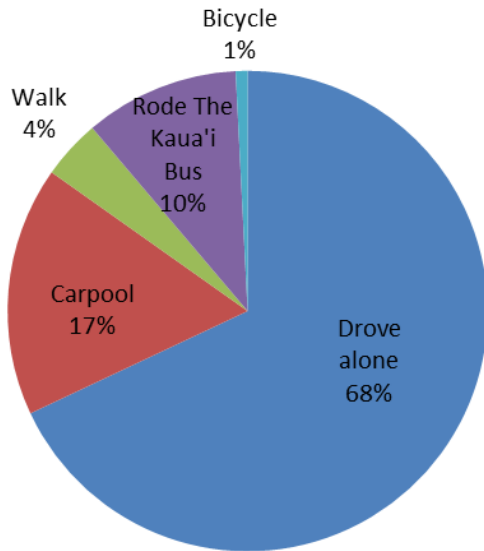


Figure 8: Actual Mode Share of Work Trips in Kauai (2005-09 ACS)

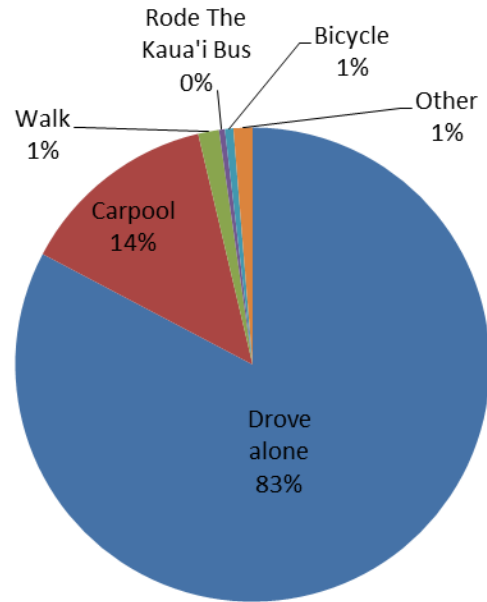


Figure 9 shows the mode share by the district people call home. Mode splits were fairly similar for each home district, with the exception of the West Side. People who live in the West Side reported driving in single occupant vehicles less and riding The Kauai Bus and walking more than those people from the other districts on the island.

Figure 9: Reported Mode Share by Home District

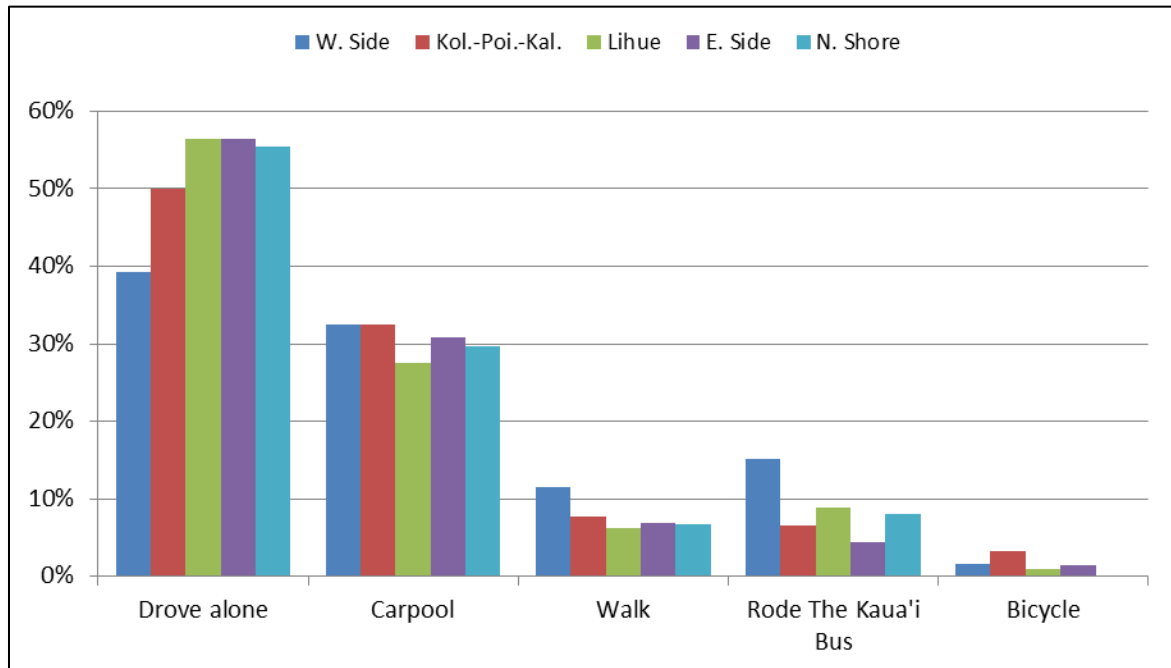
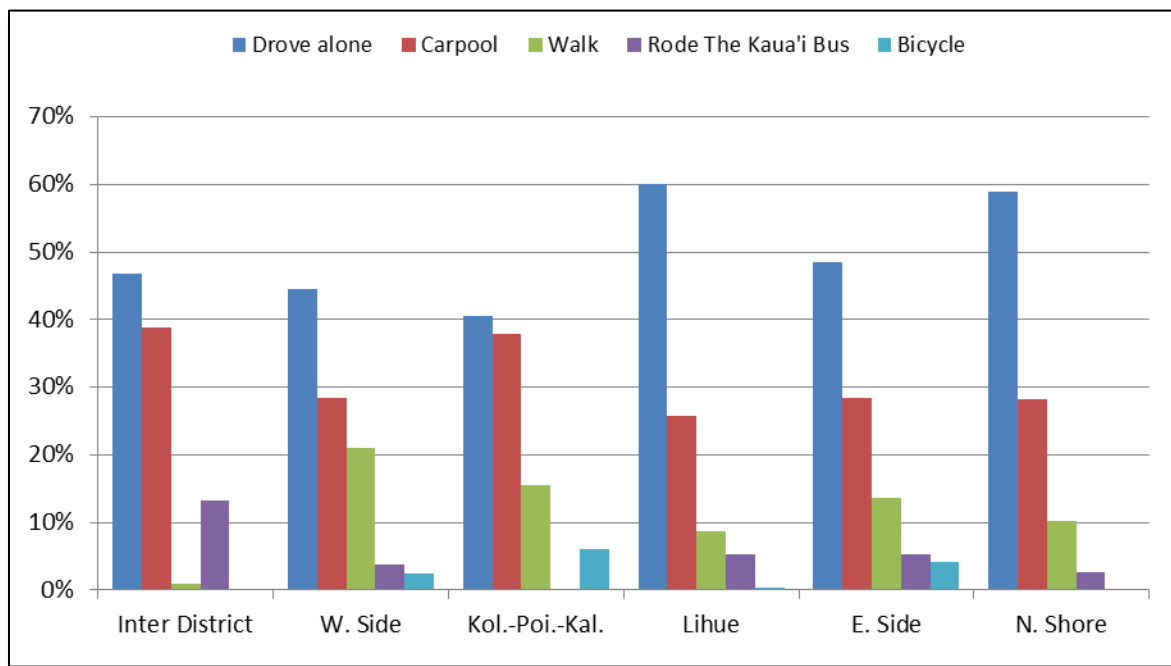


Figure 10 shows mode share of trips that were taken exclusively within a district as well as those between districts. Mode splits were fairly similar in each district, with a few notable exceptions. Trips exclusively within Lihue had the highest share of drive trips (60%) and the lowest share of walk trips (8%) of any district on the island. Trips exclusively in the West Side had the highest walk share of any district on the island (21%) and Koloa-Poipu-Kalaheo had the highest bike share (6%). Of the trips made between districts, 13% of people rode The Kauai Bus, which is more than twice the mode share of trips within any of the five districts. This indicates that most people are using the Kauai Bus for longer trips between districts.

Figure 10: Reported Mode Share *within* Each District



Trip Length

On average Kauai residents made 4.2 trips per day, and the average trip length was 8 miles. However, figure 11 shows that over 40% of all trips made were 1-5 miles in length and over 50% of all trips were 5 miles or less. Figure 12 shows the mode share of different trip lengths. Sixty five percent of trips less than a mile were made by driving, as were 84% of trips 1-5 miles in length. Less than 2% of trips that were 5 miles or less were made by bicycle. Figure 11 also shows that the percentage of people riding the Kauai Bus increased the longer the trip length. For example, while only 4% of people used The Kauai Bus for trips that were 1-5 miles in length, 25% of people traveling 21-30 miles reported using the Kauai Bus. This indicates that people are using The Kauai Bus primarily for longer trips.

Figure 11: Trip Distance Frequency

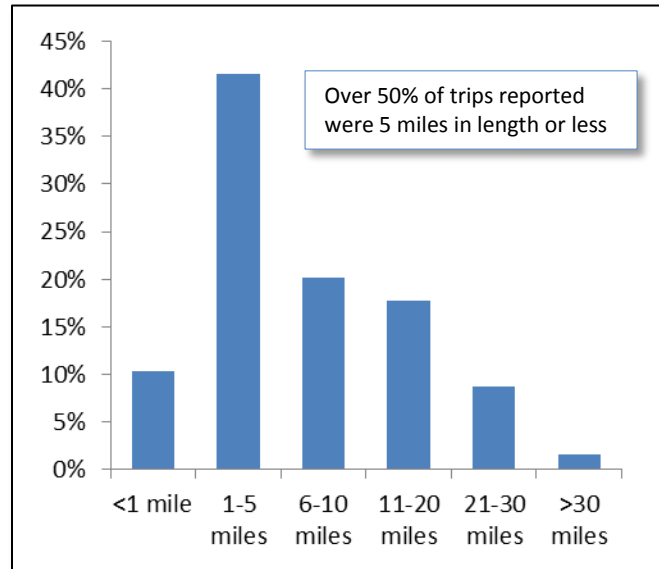
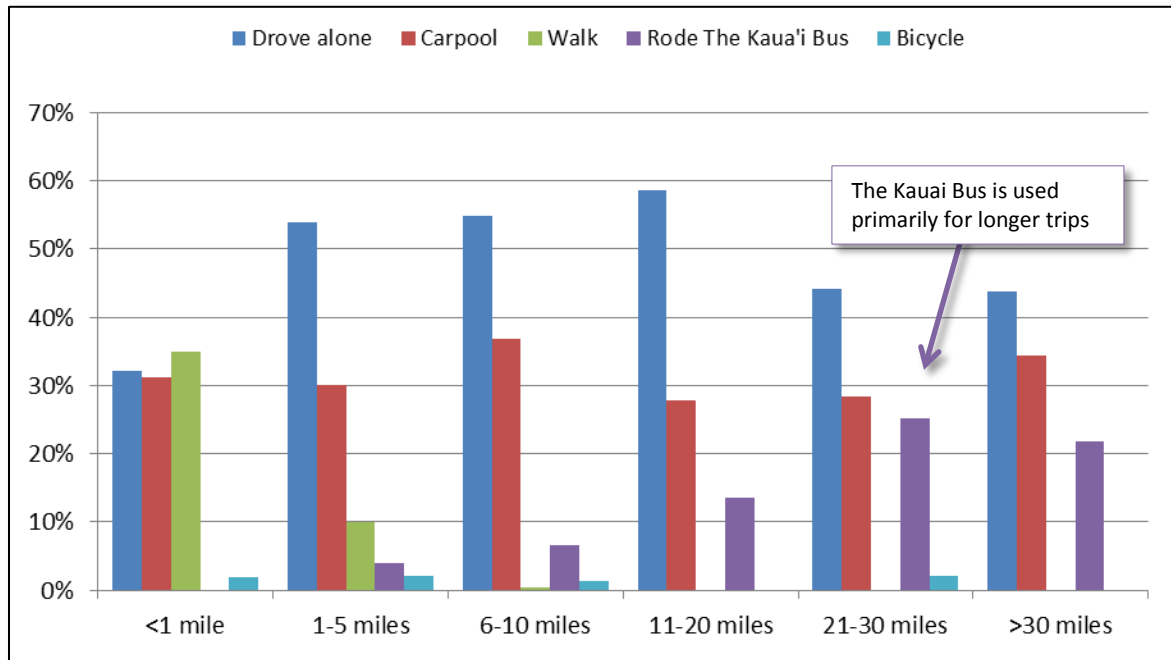


Figure 12: Reported Mode Share by Trip Length



Daily Miles Traveled

On average Kauai residents reported traveling 35 miles per day, including 28 miles per day by car, 18 of which were alone. This equates to roughly 13,000 total miles traveled per year and

8,350 Vehicle Miles Traveled (VMT) per year⁴ (in comparison the actual VMT per capita in 2010 was 9,496⁵).

However, figure 13 shows that average distance traveled in a day varies significantly by one’s district of residence. Residents of the Lihue district travel less than half the distance per day than those living in the North Shore and West Side. In fact, the data shows that the farther people live from Lihue, the more they tend to travel each day. Those living in the North Shore and West Side end up traveling about 18,000 miles per year, while those in Koloa-Poipu-Kalaheo and the East Side travel around 12,000 miles per year, and Lihue residents only travel about 7,000 miles per year.

Figure 13: Average Daily Miles Traveled by Home District

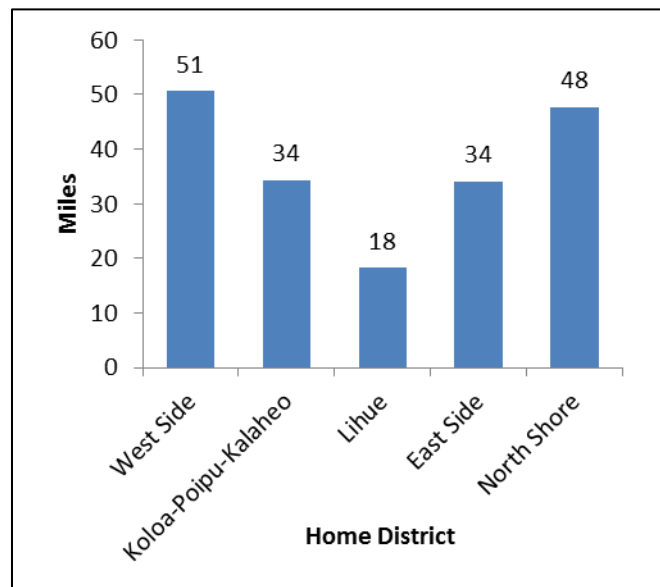
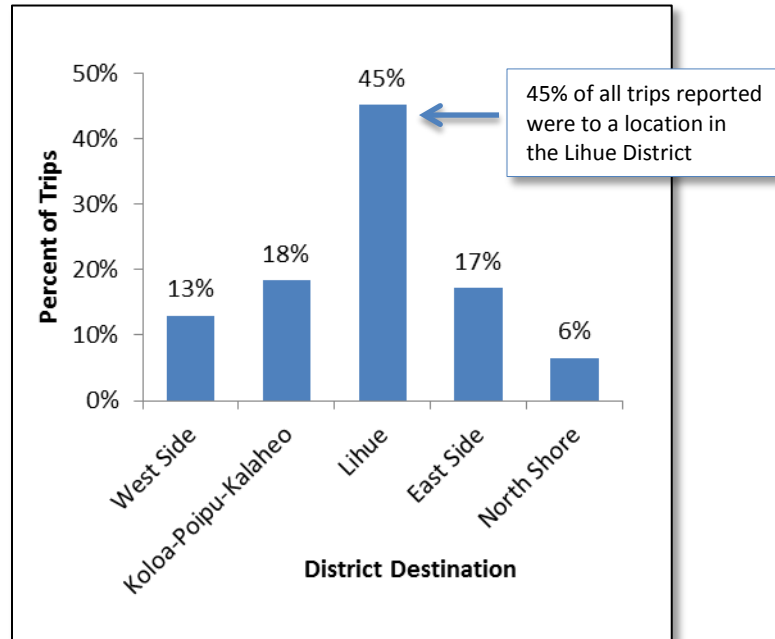


Figure 14 shows trips by destination. Again, almost half of all trips made in Kauai were to somewhere in the Lihue district, and the number of trips to other destinations decreases the further those destinations are from Lihue. These trends show the importance of Lihue as a regional center for the residents of Kauai. It also shows that no matter where people live on the island most people are typically making at least one trip to Lihue each day.

⁴ Assumes an average occupancy of 2.05 when a multiple occupant auto trip was reported. This also assumes residents had similar travel behavior on weekends and holidays.

⁵ (DBEDT) State of Hawaii Department of Business, Economic Development and Tourism. *2010 Hawaii Data Book*. Table 1.09 “Defacto Population by County 1990 to 2010,” and Table 18.17 “Motor Vehicle Fuel Consumption and Vehicle Miles, 1990 to 2010, and County, 2009 and 2010.” Retrieved October, 2011. <http://hawaii.gov/dbedt/info/economic/databook>.

Figure 14: Trips by Geographic Destination



Household Characteristics

The average household size of those surveyed in Kauai was 3.0. Respondents reported 2.2 licensed drivers per household, 1.8 employed persons per household and 0.6 school-aged kids per household. While household size varied a little by district as shown in table 3 (The West Side had the highest at 3.6 and the North Shore the lowest at 2.5 people per household), there was little variation in the percent of licensed drivers, employees, and school aged kids per household between districts.

Table 3: Household Characteristics of Kauai Residents Surveyed

District	Avg. HH Size	Licensed Drivers per HH	Employed Persons per HH	School Age Kids per HH
West Side	3.6	2.5	2.1	0.8
Koloa-Poipu-Kalaheo	3.3	2.4	2.0	0.6
Lihue	2.6	2.0	1.4	0.5
East Side	3.0	2.2	1.7	0.5
North Shore	2.5	1.9	1.5	0.4
Overall	3.0	2.2	1.8	0.6

Transportation Access

Having access to a vehicle, a bicycle or a bus pass can be a key determinate of travel behavior. In Kauai 96% of respondents who were at least 16 years old had a driver’s license, and 93% of people reported having access to a vehicle. Table 4 shows that this number varied slightly by

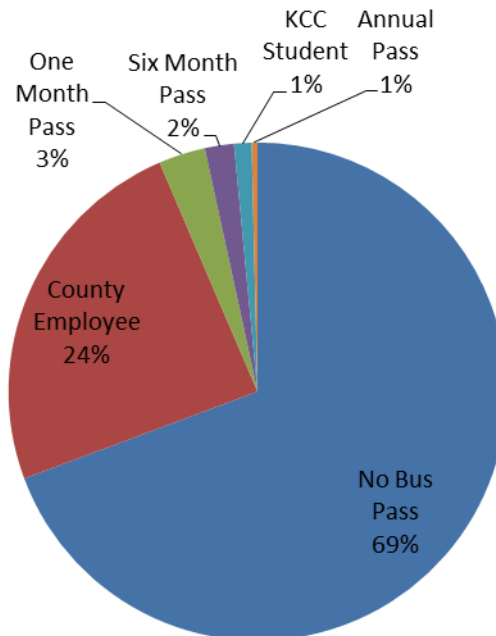
district. More people had access to a vehicle on the North Shore and East Side than other parts of Kauai.

Table 4: Percent of Respondents with Access to a Vehicle in each District

District	%
West Side	90%
Koloa-Poipu-Kalaheo	89%
Lihue	91%
East Side	97%
North Shore	100%

Figure 15 shows that 69% percent of respondents reported having no pass to ride The Kauai Bus. County employees and Kauai Community College (KCC) students can use their I.D. cards to ride the bus, and according to the survey results, 24% of respondents were County Employees. However, according to the Hawaii Department of Labor and Industrial Relations (DLIR) there were about 1,200 County employees on Kauai in 2010⁶, which is only 2% of the population that is 16 or older in Kauai⁷. This means county employees were over represented in this survey. Excluding County employees and KCC students, only 7% of respondents have a pass to ride The Kauai Bus, while 93% have access to a vehicle.

Figure 15: Percent of Respondents with a Bus Pass for The Kauai Bus



⁶ Hawaii DLIR. 2010 Jobs by Industry for Kauai County. <http://www.hiwi.org/gsipub/index.asp?docid=421>, Accessed October 10, 2011.

⁷ Calculated using data from the U.S. Census Bureau. American Factfinder. 2010 Population by Age for Kauai County. <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>, Accessed September, 2011.

Kauai residents reported having an average of 2.4 vehicles per household (or 0.8 vehicles per person), but only 1.4 bicycles per household. This means on average there is one more vehicle than there are bicycles per household in Kauai. Figure 16 shows that 96% of households surveyed own at least one vehicle and 41% own three or more vehicles. Compare this to figure 17 which shows that only 65% of households surveyed own at least one bicycle and 21% own three or more bicycles. Table 5 shows that there are only slight variations in vehicle and bicycle ownership rates per person by district.

Figure 16: Vehicles per Household of Those Surveyed

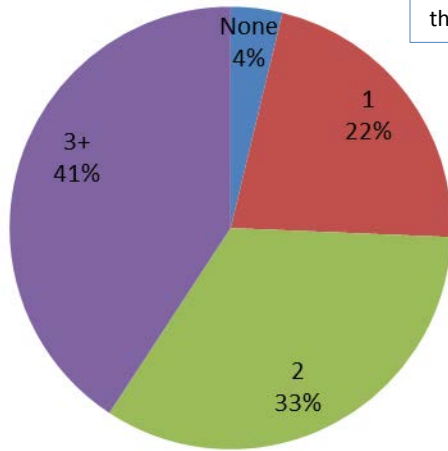
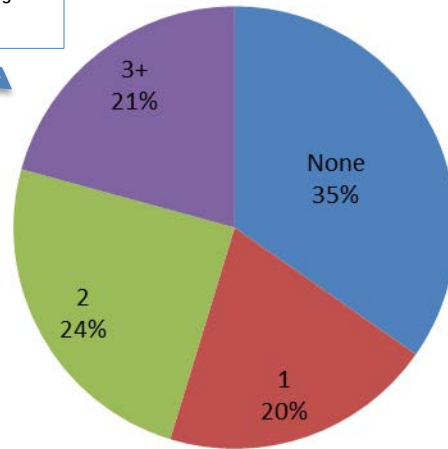


Figure 17: Bicycles per Household of Those Surveyed



On average residents of Kauai own more cars than bicycles

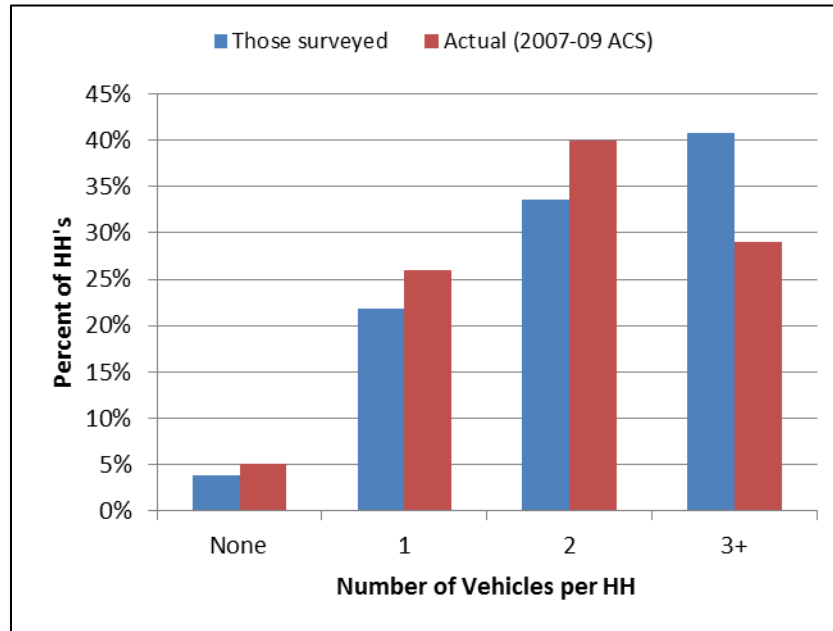
Table 5: Vehicles and Bicycles Available per Person by District of Those Surveyed

District	Vehicle	Bicycle
West Side	0.7	0.6
Koloa-Poipu-Kalaheo	0.8	0.4
Lihue	0.8	0.5
East Side	0.8	0.5
North Shore	0.7	0.4

Figure 18 shows that the vehicles per household found in this survey are similar to the actual number found in the 2007-09 American Community Survey (ACS)⁸. The only major discrepancy is that 41% of households surveyed reported having 3 or more vehicles, while the 2007-09 ACS found that only 29% of households had this many vehicles. This indicates that residents with three or more vehicles were slightly overrepresented in this survey.

⁸ U.S. Census Bureau. 2007-09 American Community Survey (ACS), Number of Vehicles Owned by Household for Kauai County. http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuid=&_lang=en&_ts=, Accessed July, 2011.

Figure 18: Vehicles per Household in Kauai



Food Access

The two indicators of food access measured in this survey were the distance to the nearest grocery store and whether the respondent had a fruit/vegetable garden at their home. Forty five percent of those surveyed reported having a fruit/vegetable garden and the average distance to a grocery store for Kauai residents was 3.1 miles. Figure 19 shows that a higher percentage of people in the Koloa-Poipu-Kalaheo and East Side districts had fruit/vegetable gardens than those living in the other parts of the island and figure 20 shows that on average people in the East Side, North Shore and Koloa-Poipu-Kalaheo districts traveled about 1-1.5 miles farther to reach a grocery than those in the West Side and Lihue districts.

Figure 19: Percent of Households with a Fruit/Vegetable Garden by District

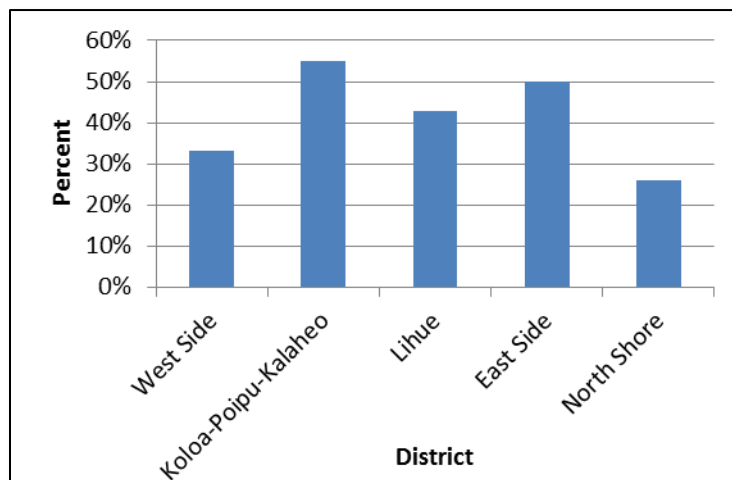
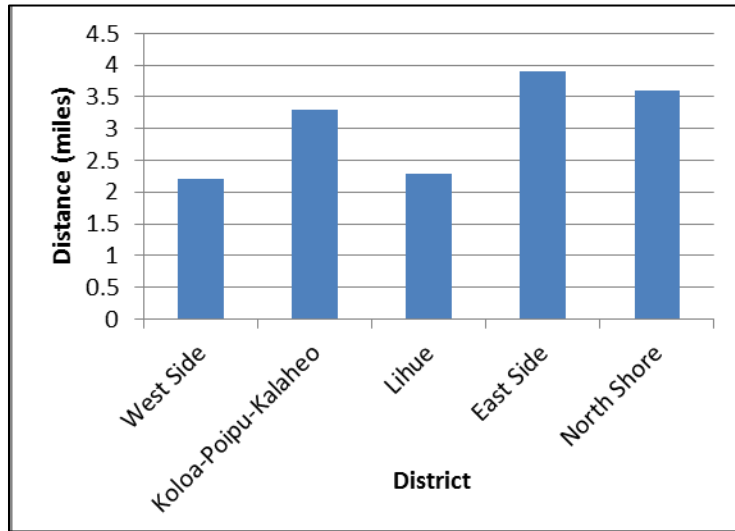


Figure 20: Average Distance to the Nearest Grocery Store by District



Attributes of Primary Vehicle Owned

Figure 21 shows the distribution of vehicles by type that Kauai residents own. Over half of all vehicles owned by residents are cars or SUVs and roughly a third are pickups or vans. Only 8% are large trucks and 4% are motorcycles or scooters.

Figure 21: Vehicle Type of Primary Vehicle Owned

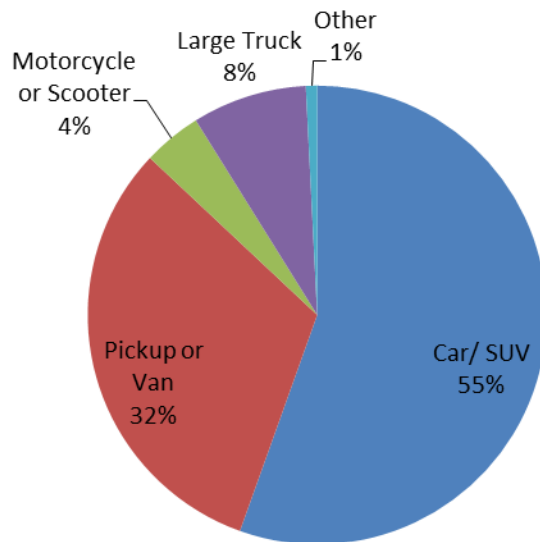
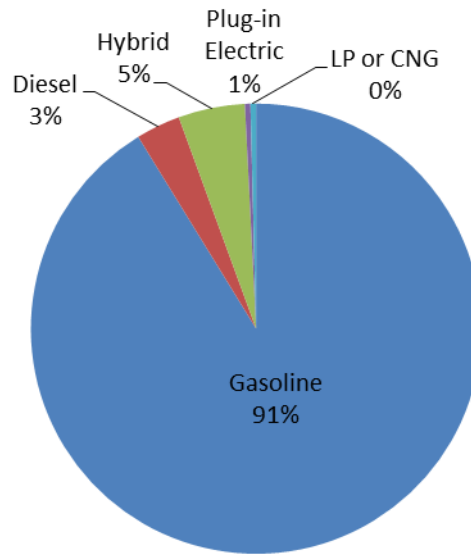


Figure 22 shows that 91% of respondents reported that their primary vehicle is gasoline powered, 3% reported having diesel powered vehicles and 5% reported having hybrids. Less than 1% of resident owned vehicles were reported as electric or LP/CNG. Figure 23 shows how this compares to the figures for passenger vehicles reported by the Hawaii Department of

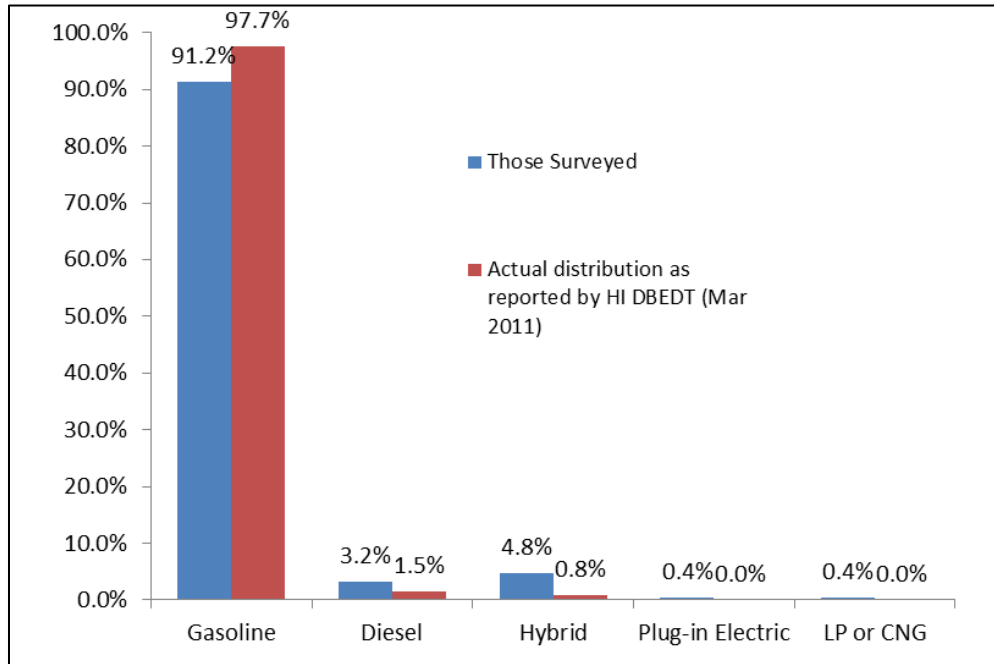
Business, Economic Development and Tourism (DBEDT) in March 2011⁹. The survey sample reflected similar trends to the actual passenger vehicle inventory for the island, but those surveyed reported slightly higher ownership rates of diesel powered vehicles and significantly higher ownership rates of hybrid vehicles. This discrepancy could in part be due to the fact that rental cars are included in the figures reported by the Hawaii DBEDT.

Figure 22: Fuel Type of Primary Vehicle Owned



⁹ Hawaii DBEDT. Monthly Energy Trends. <http://hawaii.gov/dbedt/info/transportation/gasoline/data/>, Accessed July, 2011.

Figure 23: Fuel Type of Vehicle Fleet on Kauai



The average fuel efficiency of the primary vehicles used by residents of Kauai was 24 mpg and the average vehicle age was around 7 years. Figure 2-17 shows the distribution of vehicles by fuel efficiency and figure 24 shows the distribution of vehicles owned by age. More than half of the vehicles reported have a fuel efficiency between 16-25 mpg and only 15% have a fuel efficiency greater than 35mpg. Figure 25 shows that the number of cars by age peaks at 5 years, although close to 30% were reported to be 10 years or older.

Figure 24: Reported Fuel Efficiency of Primary Vehicle Owned

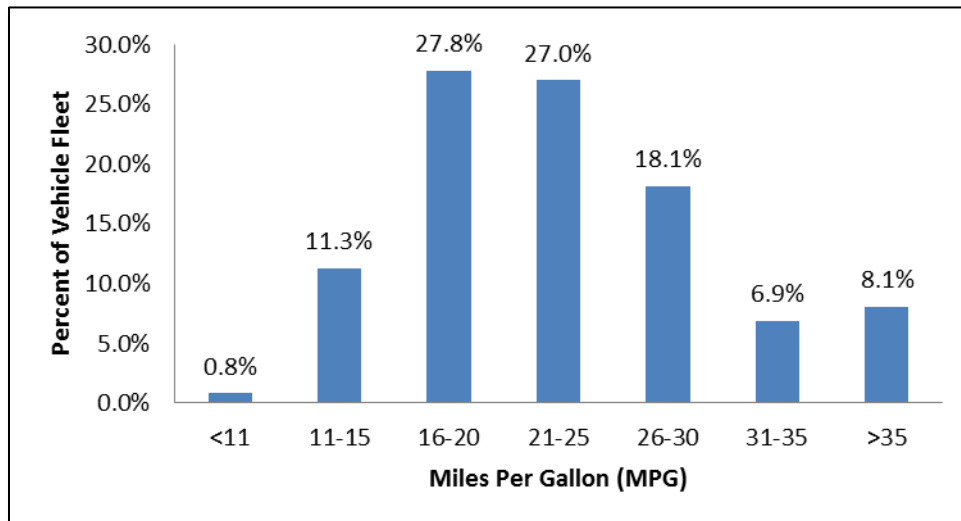
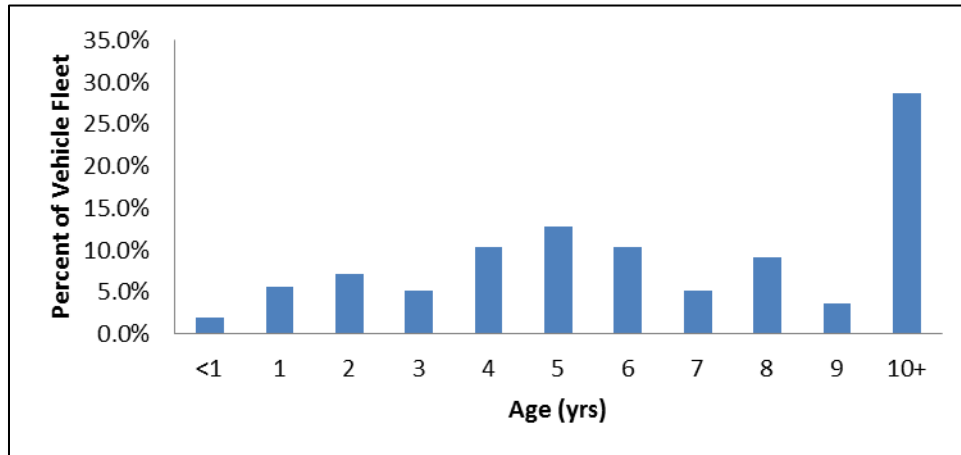


Figure 25: Vehicle Age of Primary Vehicle Owned



Appendix: Travel Survey
(next page)

Kaua'i Resident Travel Survey

Fill out this survey to be entered to win 1 of 5 \$100 gift cards to a local grocer!

Aloha Kaua'i Resident!

The Kaua'i County Transportation Agency is currently conducting a survey of travel needs among island residents as part of the Kaua'i Multimodal Land Transportation Plan. The answers you provide as part of this survey will be used to help improve transportation options on Kaua'i. Your time is greatly appreciated!

Follow directions at the end of survey for returning completed surveys. **Please return by August 31st.** If you prefer, **you may also take the survey online by visiting the project website at www.movekauai.net** and clicking on the survey link.

PART 1 - GENERAL INFORMATION

1 Where do you live? (town in Kaua'i)

2 Are you currently employed? (Choose one)

- No (go to question 4)
 Yes, full time
 Yes, part time
 Yes, more than one job

3 Where is your primary job? (town in Kaua'i)

4 Are you currently a K-12 student? (Choose one)

- No (go to question 6)
 Yes

5 Where is your school located? (town in Kaua'i)

6 Are you currently a student attending Kaua'i Community College (KCC)?

- No Yes

7 Your age (Choose one)

- <16 25 - 65
 16 - 24 > 65

8 Do you have a driver's license? (Choose one)

- No Yes

9 Do you own or have ready access to a motor vehicle (car, pickup, motorcycle, etc.)?

- No Yes

10 Do you currently have a bus pass to ride The Kaua'i Bus?

- No Yes, an annual pass
 Yes, a monthly pass As a county employee, my county ID is a bus pass
 Yes, a six-month pass As a Kaua'i Community College student, my student ID is a bus pass

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PART 2 - YOUR DAILY TRAVEL

Please choose a recent, typical weekday and answer these questions about the trips you made on that day.

What is a trip?

A trip is a one-way journey that takes you further than one block (about a tenth of a mile) from your original location.

Examples of trips include:

- 1) You take your car to work 6 miles away
- 2) You walk 2 blocks to the grocery store
- 3) You carpool with another person 12 blocks to the Park-n-Ride (bus pick-up)
- 4) You ride your bike 2 miles for enjoyment
- 5) You jog along a sidewalk, trail or street for exercise
- 6) You take the bus to Lihue to go to work.

Examples of what does NOT count as a "trip" include:

- 1) You walk across the hall to use the photocopier;
- 2) You drive to the next building (less than 200 yards away) for a meeting;
- 3) You skateboard across the street to a neighbor's house.

More Examples: So if you left home in the morning and drove a child to the daycare, then continued on to your job, that would be two trips. If later that day you drove to a grocery store on the way home and then drove home, that would be two trips. If you walked or drove to a parking lot (farther than 0.1 mile), then rode The Kauai Bus to work, that would be two trips. If you left work to go to a restaurant six blocks away for lunch, then went somewhere else for a meeting and then went back to work, that would be three trips.

11 Describe each of the trips you made on the day you have selected in the order you made them. (only need to answer for the # of trips you took)

Trip #1

Trip Purpose

(check one)

- Go to work
- Go to school
- Other
- Go home

Mode of Travel

(check one)

- Drove alone
- Drove with passenger(s)
- Passenger in a vehicle
- Rode The Kaua'i Bus
- Rode school bus
- Bicycle
- Walk

Distance

(estimate)

miles

Destination

(in what town)

Trip #2

Trip Purpose

(check one)

- Go to work
- Go to school
- Other
- Go home

Mode of Travel

(check one)

- Drove alone
- Drove with passenger(s)
- Passenger in a vehicle
- Rode The Kaua'i Bus
- Rode school bus
- Bicycle
- Walk

Distance

(estimate)

miles

Destination

(in what town)

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Trip #3	Trip Purpose (check one)	Mode of Travel (check one)	Distance (estimate)
	<input type="checkbox"/> Go to work <input type="checkbox"/> Go to school <input type="checkbox"/> Other <input type="checkbox"/> Go home	<input type="checkbox"/> Drove alone <input type="checkbox"/> Drove with passenger(s) <input type="checkbox"/> Passenger in a vehicle <input type="checkbox"/> Rode The Kaua'i Bus <input type="checkbox"/> Rode school bus <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk	<div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ miles </div> Destination (in what town) <div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ </div>
	<input type="checkbox"/> Go to work <input type="checkbox"/> Go to school <input type="checkbox"/> Other <input type="checkbox"/> Go home	<input type="checkbox"/> Drove alone <input type="checkbox"/> Drove with passenger(s) <input type="checkbox"/> Passenger in a vehicle <input type="checkbox"/> Rode The Kaua'i Bus <input type="checkbox"/> Rode school bus <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk	<div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ miles </div> Destination (in what town) <div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ </div>
	<input type="checkbox"/> Go to work <input type="checkbox"/> Go to school <input type="checkbox"/> Other <input type="checkbox"/> Go home	<input type="checkbox"/> Drove alone <input type="checkbox"/> Drove with passenger(s) <input type="checkbox"/> Passenger in a vehicle <input type="checkbox"/> Rode The Kaua'i Bus <input type="checkbox"/> Rode School Bus <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk	<div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ miles </div> Destination (in what town) <div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ </div>
	<input type="checkbox"/> Go to work <input type="checkbox"/> Go to school <input type="checkbox"/> Other <input type="checkbox"/> Go home	<input type="checkbox"/> Drove alone <input type="checkbox"/> Drove with passenger(s) <input type="checkbox"/> Passenger in a vehicle <input type="checkbox"/> Rode The Kaua'i Bus <input type="checkbox"/> Rode school bus <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk	<div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ miles </div> Destination (in what town) <div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ </div>
	<input type="checkbox"/> Go to work <input type="checkbox"/> Go to school <input type="checkbox"/> Other <input type="checkbox"/> Go home	<input type="checkbox"/> Drove alone <input type="checkbox"/> Drove with passenger(s) <input type="checkbox"/> Passenger in a vehicle <input type="checkbox"/> Rode The Kaua'i Bus <input type="checkbox"/> Rode school bus <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk	<div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ miles </div> Destination (in what town) <div style="border: 1px solid black; padding: 2px; width: 100%; text-align: center;"> _____ </div>

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Trip #8	Trip Purpose (check one) <input type="checkbox"/> Go to work <input type="checkbox"/> Go to school <input type="checkbox"/> Other <input type="checkbox"/> Go home	Mode of Travel (check one) <input type="checkbox"/> Drove alone <input type="checkbox"/> Drove with passenger(s) <input type="checkbox"/> Passenger in a vehicle <input type="checkbox"/> Rode The Kaua'i Bus <input type="checkbox"/> Rode school bus <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk	Distance (estimate) <input style="width: 100%;" type="text"/> miles Destination (in what town) <input style="width: 100%;" type="text"/>
Trip #9	Trip Purpose (check one) <input type="checkbox"/> Go to work <input type="checkbox"/> Go to school <input type="checkbox"/> Other <input type="checkbox"/> Go home	Mode of Travel (check one) <input type="checkbox"/> Drove alone <input type="checkbox"/> Drove with passenger(s) <input type="checkbox"/> Passenger in a vehicle <input type="checkbox"/> Rode The Kaua'i Bus <input type="checkbox"/> Rode school bus <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk	Distance (estimate) <input style="width: 100%;" type="text"/> miles Destination (in what town) <input style="width: 100%;" type="text"/>
Trip #10	Trip Purpose (check one) <input type="checkbox"/> Go to work <input type="checkbox"/> Go to school <input type="checkbox"/> Other <input type="checkbox"/> Go home	Mode of Travel (check one) <input type="checkbox"/> Drove alone <input type="checkbox"/> Drove with passenger(s) <input type="checkbox"/> Passenger in a vehicle <input type="checkbox"/> Rode The Kaua'i Bus <input type="checkbox"/> Rode school bus <input type="checkbox"/> Bicycle <input type="checkbox"/> Walk	Distance (estimate) <input style="width: 100%;" type="text"/> miles Destination (in what town) <input style="width: 100%;" type="text"/>

PART 3 - THE VEHICLE YOU NORMALLY DRIVE

Please answer these questions about the vehicle you drive most often.
(Skip these questions if you don't drive.)

12 What type of vehicle is it? (choose one)

- | | | |
|----------------------------------------|----------------------------------------------------|--------------------------------|
| <input type="checkbox"/> Car/SUV | <input type="checkbox"/> Motorcycle or Scooter | <input type="checkbox"/> Other |
| <input type="checkbox"/> Pickup or Van | <input type="checkbox"/> Truck (other than pickup) | |

13 What kind of motor does it have? (choose one)

- | | |
|-------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Gasoline | <input type="checkbox"/> Plug-In Electric (battery only) |
| <input type="checkbox"/> Diesel | <input type="checkbox"/> LP or CNG |
| <input type="checkbox"/> Bio-diesel | <input type="checkbox"/> Other |
| <input type="checkbox"/> Hybrid (gas + battery) | |

14 How old is it? (choose one)

- | | | |
|-----------------------------------------|----------------------------------|-------------------------------------------|
| <input type="checkbox"/> < one year old | <input type="checkbox"/> 4 years | <input type="checkbox"/> 8 years |
| <input type="checkbox"/> 1 year | <input type="checkbox"/> 5 years | <input type="checkbox"/> 9 years |
| <input type="checkbox"/> 2 years | <input type="checkbox"/> 6 years | <input type="checkbox"/> 10 years or more |
| <input type="checkbox"/> 3 years | <input type="checkbox"/> 7 years | |

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15 Estimate the actual average fuel efficiency you have been getting with this vehicle.

(choose one; skip this question if vehicle is a plug-in electric or other)

< 5 mpg

5 - 10 mpg

11 - 15 mpg

16 - 20 mpg

21 - 25 mpg

26 - 30 mpg

31 - 35 mpg

> 35 mpg

PART 4 - YOUR HOUSEHOLD

(Please answer for yourself AND all others in your household.)

16 How many people currently live in your household?

17 How many of these people have driver's licenses?

18 How many motor vehicles are owned by members of your household?

Cars/SUVs

Pickups or Vans

Motorcycles or Scooters

Trucks (other than pickup)

Other

19 How many bicycles are owned by members of your household?

20 How many people in your household have either a full-time job, part-time job or more than one job?

21 How many members of your household are in school (K - 12)?

22 Do you have an active garden producing fruits and/or vegetables at your home?

No

Yes

23 About how far from your home is the closest grocery store?

(miles)

Mahalo for taking the Survey!

Fill out contact information below only if you are interested in being entered to win a \$100 gift card to a local grocer. Five total gift cards will be awarded in September, 2011. (Personal information will only be used to contact winners)

Name: _____

Phone #: _____

Address: _____

Please fold completed surveys in half, insert surveys in the self addressed envelopes provided and drop in the mail. No postage necessary.

Visit www.movekauai.net to learn more about the Kaua'i Multimodal Land Transportation Plan