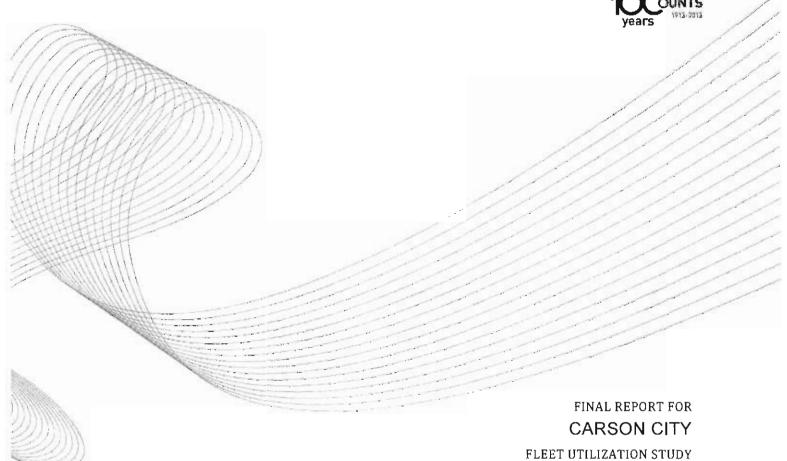
# City of Carson City Request for Board Action

Date S	<b>ubmitted:</b> 04/3/14	Agenda Date Requested: 04/3/14 Time Requested: 40 minutes
To:	Mayor and Supervisors	Time Requested. 40 influtes
From:	Nick Providenti, Finance Director Michael Bertrand, Audit Committee	e Chairman
to staff		ntation, discussion, acceptance and possible direction eet Management Utilization Study as provided by
Board of Carson Utilization accepted	of Supervisors to provide Internal A City Board of Supervisors meeting, tion Study. A draft of the Fleet Man	ontracted by the Carson City Audit Committee and the audit Services to Carson City. At the July 18, 2013 the Board approved the Fleet Management agement Utilization Study was presented and tee on February 11, 2014. Representatives from Moss
Type o	f Action Requested: (check one)  () Resolution  (XXX) Formal Action/Motion	() Ordinance () Other (Specify)
Does th	nis action require a Business Impa	ct Statement: ( ) Yes (X) No
prepare		accept the Fleet Management Utilization Study bring back implementation plans based on Board of
Explar	nation of Recommended Board Ac	tion: See Staff Summary.
Applic	able Statute, Code, Policy, Rule or	Regulation: N/A
Fiscal	Impact: N/A	
Explan	nation of Impact: N/A	
Fundir	ng Source: N/A	
Altern	atives: None	
Suppor	rting Material: Draft Fleet Manage	ment Utilization Study provided by Moss Adams.

Prepared By: Nick Providenti		1 1	
Reviewed By: (Department Head)	Date: _	3/25/14	
: Manager) (City Manager)	Date: _	3/95/14	
(District Attorney)	Date: _	3/25/14	
(Finance Director)	Date: _	3/25/14	
Board Action Taken:	4.5		
Motion:	2)		Aye/Nay
(Vote Recorded By)			



January 30, 2014

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Acumen, Agility, Answers.

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# I. EXECUTIVE SUMMARY

#### A. APPROACH AND METHODOLOGY

Carson City's municipal vehicle fleet consists of 489 units, ranging from sedans to construction equipment, that support a City staff of 669 employees. The current value of the fleet is estimated at approximately \$32 million. An efficiency study of Carson City's Fleet Services Division, completed in July 2013, recommended the City conduct a utilization study to maximize the efficiency of the municipal fleet

The objectives of this utilization study are to quantify underutilization of units, identify opportunities for efficiency gains, and offer alternative means of transportation where appropriate. To accomplish these objectives, a utilization methodology was employed that 1) segregated vehicle and equipment classes into functional categories and 2) calculated the average miles/hours for each category, to which a formula was applied to arrive at a high, medium, and low use for each vehicle and piece of equipment in the fleet. Underutilized units were identified and became potential candidates for reassignment or disposal. These units were further evaluated in discussions with department representatives, during which suitable alternative means of transportation were explored. These include pooling, renting, leasing, or replacing with other more efficient and economical units.

#### B. RECOMMENDATIONS

The City's fleet management approach should be both efficient and customer-driven. While it is important that the fleet size remain in line with the best industry standards, it is equally important that the City's operating services are not adversely impacted by any reductions to the fleet. City departments provided input to assure that this balance would be achieved. By reducing the fleet, Carson City will achieve cost savings and benefits from both the one-time sale of surplus vehicles and equipment, as well as from eliminating ongoing operating, maintenance, and depreciation costs that are no longer necessary.

Implementing these recommendations translates to a potential savings of \$156,500 in the first year and \$915,000 over 10 years. Recommendations are presented below.

- 1. Align the City's fleet classification and description labeling system with industry best practice.
- 2. Update the utilization analysis in six months after initial recommendations have been implemented to reestablish a baseline and every two years thereafter.
- 3. Update guidelines and policies that support the most cost-effective means of transportation, and periodically update the cost analyses.
- 4. Reduce the fleet based on results of the utilization analysis.
- 5. Expand the central motor pool at City Hall by utilizing existing City vehicles and/or rental cars to provide access to vehicles that may be needed due to the surplusing of underutilized vehicles.

- 6. Calculate rental rates to recover all ownership and operational costs of all motor pool units.
- 7. Train employees on the guidelines and policies regarding when to use a City vehicle, mileage reimbursement, or a rental vehicle.
- 8. Utilize the State of Nevada's rental car contract for rental vehicles to supplement the City pool when units are out of service due to extensive repair work or periods of peak demand.
- 9. Expand the shop loaner pool.
- 10. Establish a new heavy equipment pool, supplemented with rentals, to provide access to equipment that may be needed due to the surplusing of underutilized equipment, and require all requests for heavy equipment rentals to be processed and approved through a single City source.
- 11. Develop rental rates to recoup all ownership and operational costs of each unit in the heavy equipment pool.
- 12. Revise the current vehicle take-home policy to add specific criteria relating to take-home and standby vehicle assignments. Review all vehicle take-home and current standby authorizations and justify approvals based on the new vehicle take-home policy.

A number of recommendations focus on more accurate tracking and distribution of fleet costs supported by the establishment of rental rates. We recognize that Carson City may choose to continue to utilize its current vehicle equivalent unit (VEU) methodology instead of instituting the additional administrative rigor required to achieve more accurate cost allocation.

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# II. BACKGROUND, APPROACH, AND METHODOLOGY

#### A. BACKGROUND

Carson City's municipal vehicle fleet consists of 489 units, ranging from sedans to construction equipment, that support a City staff of 669 employees. The current value of the fleet is estimated at approximately \$32 million. An efficiency study of Carson City's fleet, completed in July 2013, recommended the City conduct a utilization study to maximize the efficiency of the municipal fleet.

Over time, municipalities inevitably end up with vehicles that are not essential to their operations, causing the fleet to expand. This "fleet creep" typically goes undetected as years pass. There are typically multiple contributing factors, including keeping vehicles and equipment that have been replaced by newer units, adding "free" surplus equipment or grant-obtained vehicles to the fleet, and reassigning high-use units to low-use applications. A lack of economic incentives and policy guidelines for acquisition and usage of vehicles can further contribute to excess and underutilized vehicles.

#### B. STUDY APPROACH AND METHODOLOGY

The purpose of this study is to identify underutilized vehicles and equipment, recommend alternative methods for City transportation needs, and develop a citywide fleet utilization policy. There are two main components of a fleet utilization study, 1) utilization analysis and 2) vehicle cost analysis. Utilization analysis determines how much and how often vehicles and equipment are used. Vehicle cost analysis determines the most economical means of transportation by comparing the costs of an assigned City vehicle or piece of equipment with alternative means of transportation. Alternatives include departmental and centralized light-duty pooling, heavy equipment pooling, commercially available rental vehicles and equipment, and reimbursing employees to use their personal vehicles to conduct City business.

Each department's permanently assigned and temporary vehicle requirements were analyzed to determine how best to accomplish the City's business objectives utilizing one of the following means of transportation:

- Permanently assigned City vehicles
- Departmental pooling
- · City-wide pooling
- Renting/leasing

Vehicle utilization is typically measured by miles driven on an annual basis. However, mileage alone is not always the best indicator of usage, since annual mileage varies by the type of vehicle. Functional categories have been defined to be used in conjunction with metered and non-metered units to develop utilization criteria that are unique to each functional category and the City. Additionally, the City's use of pooled vehicles and personal mileage reimbursement were evaluated.

In this study, vehicles and equipment are separated into the following eight functional categories (described in detail later in this report):

- General Use Vehicles
- Mobile Work-Station Vehicles
- Project or Short-term Fixed Duration Vehicles
- Specially Designed/Modified Emergency Vehicles
- Specially Designed/Modified Vehicles
- Construction/Allied Equipment
- Miscellaneous Equipment—Metered
- Miscellaneous Equipment—Non-Metered

The City's fleet inventory was then reconciled to the extent possible. Key objectives of this analysis were to identify underutilized units and units not being used as intended, and offer alternative, more economical means of transportation. To accomplish this, fleet usage criteria were established for new vehicle and equipment requests and annual usage standards for retaining units.

There were a few cases in which vehicles and equipment were either missing from Fleet Services' inventory listings or had been placed on the surplus list but appeared as active units. Several departments had transferred units to other departments without Fleet Services' knowledge. In many cases, mileage and hour usage is not tracked on a consistent basis, and, in some cases, it is not tracked at all. As a result, it is difficult to schedule maintenance and properly monitor usage.

Vehicle Utilization Data Collection and Analysis

Data on vehicle and equipment usage was obtained from the City's fleet information system and fueling reports. Fleet Services provided data that included each unit's make, model, year, current odometer and/or hour meter reading (as of October 2012), total months in service, total life-to-date miles/hours, and miles/hours utilization during the last 12 months.

Each department was asked to complete a questionnaire for each unit within their jurisdiction. The questionnaire was designed to determine each the intended use of each unit, the equipment and loads it transports, destinations, and frequency of use. A number of incomplete fleet questionnaires were returned, which resulted in follow-up phone calls and in-person interviews to obtain the information.

After reviewing the questionnaires, each unit was assigned to one of the eight functional categories. Usage data (hours or miles) were analyzed and minimum usage standards for each functional category were developed. Each unit was then classified as having high, medium, or low usage. Underutilized units were identified and interviews were conducted with key managers and supervisors to discuss their transportation requirements and explore alternative means of transportation. Based on the usage analyses and interviews, recommendations for reductions in the City's fleet were developed along with an estimate of the associated salvage value, annual maintenance and repair cost savings, and replacement cost savings.

# III. FLEET UTILIZATION ANALYSIS

#### A. VEHICLE AND EQUIPMENT FUNCTIONAL CATEGORIES

Fleet management systems have classifications for the types of vehicles and equipment in the fleet. These are typically two, three, or four-digit alpha or numeric characters. Carson City's Fleet Services Division uses a four-digit classification system with the first two digits corresponding to the American Public Works Association (APWA) Vehicle and Equipment Classification System. A three-digit classification system is used for the Sheriff's units. Data collection for this study revealed several instances in which units were not appropriately classified, which impacted the ability to group like vehicles and equipment.

Many vehicle and equipment descriptions were found to be miss-labeled. For example, Unit 8301, a street sweeper belonging to Public Works, was labeled "ST Sweeper John's" denoting that the sweeper belonged to the Streets Maintenance Division and was operated by a City employee named John.

Most of the unit descriptions were not organized properly. For example, the City's typical description for a dump truck with a plow is 5 YD Dump Plow. Industry best practice is that the unit description start with the general classification (Truck) followed by a more detailed description of the type of truck (Dump) followed by the size (5-YD) followed by a description of the any components/equipment that is attached to the truck (Plow). The entire description should read Truck, Dump-5YD-Plow.

# 1. Recommendation: Align the City's fleet classification and description labeling system with industry best practice.

The City should explore a more standardized classification and descriptive system such as those provided by APWA or the National Association of Fleet Administrators (NAFA). Improper vehicle classification impacts the ability to analyze the fleet. Due to improper classification, some units could be left out of the analysis or skew results. Linking the proper descriptions to appropriate classifications is vital to perform vehicle and equipment trend analysis, as well as for billing and benchmarking.

For the purposes of this study, the City's vehicle and equipment fleet was divided into eight functional categories under two broad classifications, General Use and Special Use. General Use contains three functional categories and Special Use contains five functional categories. Special Use vehicles are specially designed, outfitted, or configured for a single activity or are used solely in support of a single activity. Each of the functional categories is described below.

#### General Use Vehicles

General use vehicles are those without special equipment that transport personnel and material. These vehicles are readily subject to rotation between high and low mileage assignments. Specific examples in the City's fleet include sedans, vans, SUVs, and light trucks.

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#### Mobile Workstation Vehicles

Mobile workstation vehicles transport craft workers, tools and equipment, which are needed for specialized work, and units that have specialized equipment installed. They normally have mileage criteria and may be rotated with other general use vehicles by transferring any specialized equipment at a minimal cost. Examples of equipment specific to these vehicles include two-way radio(s), cross-boxes, camper shells, utility bodies, mounted equipment, small cranes, hydraulic lift gates, racks, etc. Specific examples in the City's fleet include vans, light and medium trucks, and flatbed trucks.

#### Project or Short-Term Fixed Duration Vehicles

Vehicles required for a specific project or activity for a fixed, short amount of time. They are typically rented or leased from local commercial rental agencies if they not readily available in the City's light- and heavy-duty equipment pools.

#### Specially Designed/Modified Emergency Vehicles and Equipment

Some vehicles and equipment are unique to the function of emergency response and are outfitted or configured with radios, light bars, computers, etc. These vehicles support activities required by law or policy to be available at all times (standby) to respond to emergencies or unusual events. Examples include police patrol units, police motorcycles, fire apparatus, and ambulances.

#### Specially Designed/Modified Vehicles and Equipment

Some vehicles and equipment are uniquely designed or modified for a particular job requirement. These are vehicles that are specially outfitted or configured for a single activity or used solely in support of a single activity. They have the following characteristics:

- Permanently installed features that cannot be economically used for any purpose other than the one for which they were designed; or
- Transfer of equipment to permit rotation with other vehicles would require extensive modification of the unit and/or adversely impact safety.

Examples include utility trucks, digger derricks, boom trucks, sewer cleaners, and street sweepers.

#### Construction/Allied Equipment

Mobile equipment or other construction equipment that is designed for a specific use and has unique design features fall into this category. This equipment is typically measured in hourly usage rather than in mileage. This category of equipment normally cannot be utilized for general use. Examples include backhoes, loaders, tractors, graders, rollers, and auxiliary engines.

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#### Miscellaneous Equipment - Metered

Metered miscellaneous equipment has hour meters. Examples include generators, compressors, forklifts, gang mowers, and golf carts.

#### • Miscellaneous Equipment - Non-Metered

Non-metered miscellaneous equipment has no meters, but may include gas- or electric-powered riding and non-riding equipment. Examples include trailers and sprayers.

The City's 489-unit fleet is broken down in Table 1 by the eight functional categories:

Table 1: Carson City Fleet Units by Functional Category

No.	Functional Category	Units
	General Use	
1	General Use Vehicles	14
2	Mobile Work Station Vehicles	131
3	Project or Short-term Fixed Duration Vehicles	0
	Special Use	
4	Specially Designed/Modified Emergency Vehicles*	141
5	Specially Designed/Modified Vehicles	57
6	Construction/Allied Equipment	53
7	Miscellaneous Equipment - Metered	10
8	Miscellaneous Equipment - Non-Metered*	83
	Total	489

<sup>\*</sup>Note: Utilization standards were not computed for miscellaneous, non-metered equipment or six pieces of fire apparatus. Utilization criteria for fire apparatus (pumpers) would require additional analysis of factors such as response times and other safety issues, which are beyond the scope of this study.

#### **B. UTILIZATION CRITERIA**

Utilization criteria are developed in two steps. First, we developed an average use per vehicle and equipment for each class within each functional category. Second, we determine the minimum utilization standard required to justify the retention of each in the fleet. Recommended utilization criteria for each vehicle and equipment class are presented below.

Several factors impacted the ability to develop averages for some vehicle and equipment classifications. For example, "like year units" within the same functional category had odometer readings that varied considerably. This is partially as result of units are not being salvaged when they are due for replacement and being kept in the fleet as spares or pool units or are reassigned to other departments. As a result, it is difficult to compute the average miles and hours that these units are used.

#### Units Measured in Miles

The Fleet Services Division supplied mileage figures based on fueling reports generated by CFN Thomas Fuels. The data used as the basis for evaluating the mileage usage of each unit is presented in Appendix A.

All mileage type classes were assigned to one of five functional categories. Similar classes were grouped together, and average monthly miles were computed based on the last 12 months of usage. These figures were cross-checked with the average monthly usage over the life of each unit to identify any large variations. The usage criteria were then applied to the monthly miles to arrive at "Low-Use", "Medium-Use", and "High-Use" ranges for class groupings, as described in Table 2. These criteria became the basis for the justification range for all units that have mileage as their utilization criteria.

Table 2: Usage Criteria, Units Measured in Miles

Category	Description
High-Use	Use exceeds 80% of monthly average mileage
Medium-Use	Use falls between 50% and 80% of monthly average mileage
Low-Use	Use less than 50% of monthly average mileage

For example, the annual average mileage for all "general purpose units" (sedans, light trucks) within the General Use Vehicle and Equipment Category was computed at 247 miles per month. By applying the usage criteria above, average high, medium, and low mileage usage ranges were developed by which to justify a unit. As a result, any unit averaging more than 197 miles per month (80% of 247 miles) would be considered "High-Use," units averaging between 123 and 197 miles per month (between 50% and 80% of 247 miles) would be considered "Medium-Use," and units averaging less than 123 miles per month (50% of 247 miles) would fall into the "Low-Use" category.

#### Units Measured by Hour Meters

Average vehicle usage based on hours was computed using the City's manual fuel and Commercial Fuel Network (CFN) sites. Appendix B presents the data used as the basis for evaluating the hourly usage of each unit.

All units measured by hours were assigned to one of two functional categories: Construction/Allied Equipment or Miscellaneous Equipment - Metered. Similar classes were grouped together and their average monthly hours were computed based on the last 12 months of usage. These averages were crossed-checked with the average monthly usage over the life of the unit to identify any large variations. The usage criteria were applied to the monthly hours to arrive at "Low-Use," Medium-Use" and "High-Use" ranges for class groupings, presented in Table 3. These criteria became the basis for the justification range for all units that have hours as their utilization criteria.

Table 3: Usage Criteria, Units Measured by Hour Meters

Category	Description	
High-Use	Use exceeds 80% of monthly average hours	
Medium-Use	Use falls between 50% and 80% of monthly average hours	
Low-Use	Use averages less than 50% of monthly average hours	

For example, the annual average hours for all seven backhoes within the Construction/Allied Equipment category was calculated at 17.18 hours per month. By applying the usage criteria below to this average, the high, medium, and low ranges were developed. As a result, any unit that utilized more than 13.74 hours per month (17.18 hours x 80%) would be considered "High-Use," any unit that utilized between 8.59 and 13.74 hours per month (17.18 hours x 50% - 17.18 hours x 80%) would be considered "Medium-Use," and units under 8.59 hours per month (50% of 17.18 hours) would fall into the "Low-Use" category.

#### Usage Distribution of Current Fleet

The utilization criteria presented above was applied to the City's current fleet, excluding non-metered units, to establish the usage distribution of the fleet. The results of the analysis, shown in Table 4, indicate that a number of vehicles and equipment in the fleet are underutilized.

Table 4: Summary of Carson City Fleet Usage

Usage	Miles Metered	Hour Metered	Total Units
High-Use	226	21	247
Medium-Use	33	8	41
Low-Use	80	22	102
Not Applicable*	20	12	32
Total	359	63	422

\*Note: Units not able to be classified due to insufficient or questionable data.

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2. Recommendation: Update the utilization analysis in six months after initial recommendations have been implemented to reestablish a baseline and every two years thereafter.

The City should continue to track both miles and hours utilized for all vehicles and equipment in the fleet, and reevaluate the utilization criteria for low, medium, and high usage units on a regular basis. City-wide fleet leveling should occur on an annual basis, with in-depth utilization analysis every two years. The same functional categories outlined in this report are appropriate for all units unless their function has changed. During each update, Fleet Services should review the need for units that are not meeting the established usage criteria with department directors.

The formula for calculating low, medium, and high mileage and hourly utilization is constructed in a manner that allows annual review and adjustment. Elements of the formula, such as downtime and fueling time, can vary with changes in fleet age and maintenance practices, as well as vehicles and equipment that have been removed from service. An annual review of the calculations should be made, as appropriate.

Actual miles and hours per month per class should also be tracked during the next year. The percentage formula will remain the same, but adjustments to the annual miles and hours may be made based on the average for each vehicle and equipment classification.

#### C. VEHICLE COST ANALYSIS

Cities may provide necessary transportation by assigning city-owned vehicles, making pooled vehicles available, renting or leasing from commercial agencies, or reimbursing employees for the use of their vehicles. The costs of these alternatives were evaluated using two methods, including 1) breakeven analysis and 2) mileage reimbursement analysis, to help determine which alternative to use depending on the miles driven.

Breakeven analysis is utilized to determine the point at which an enterprise moves from a loss to a profit position. In fleet management, this is the point at which a fleet can own, operate, and maintain a vehicle more economically than reimbursing a City employee to drive a personally owned vehicle, use a City motor pool unit, or provide a commercial rental vehicle.

Mileage reimbursement for use of a personal vehicle on City business is tied to the Internal Revenue Service (IRS) rate. A city's vehicle use policy is a formal policy that establishes procedures for the assignment of city vehicles. It also addresses take home vehicles and mileage reimbursement for employees using their personal vehicles for city business.

In fiscal year 2012–13, a total of \$12,614 was paid in mileage reimbursement, according to the Finance Department records. This represents a total of approximately 23,000 miles based on the City's mileage reimbursement rate, which ranged between \$0.555/mile and \$0.565/mile during this period. Finance records did not show how the number of trips or destinations City employees traveled correlated to using personal vehicles.

Breakeven Analysis: Monthly Cost Comparison

Vehicles assigned to City administration currently average about 247 miles per month. A sedan that averages 247 miles per month costs the City approximately \$186 per month to own and operate or about \$0.75 per mile. By reimbursing an employee to use their personal vehicle at the rate of \$0.565 per mile, the City's cost would be approximately \$140 per month would for a savings of approximately \$46 per month at this mileage threshold. Using those assumptions, it is less expensive to pay personal mileage than provide an assigned vehicle until usage reaches 499 miles per month, at which time it becomes more economical to drive a City-assigned vehicle.

A full breakeven analysis is presented in Appendix H, which shows the costs for the City to own and operate a Ford Fusion compared with the cost of reimbursing employees using their own personal vehicle. Maintenance, repair, fuel, and acquisition costs were based on actual historical operating costs incurred, according to fleet management records.

Using recent fuel costs and the latest IRS reimbursement rates, costs per month using the mileage thresholds are presented in Exhibit 1 of Appendix I. The analysis shows that it is more economical for the City to reimburse employee personal car usage up to 499 miles per month. This approach is appropriate for City passenger vehicles that are not equipped for first-responder activities.

Table 5: Monthly Breakeven Point for a City-Owned Vehicle Compared to Personal Car Reimbursement

Miles per Month	City Assigned Vehicle-Ford Fusion Ownership and Operational Costs	Cost to Reimburse For Use of Personal Car at \$0.565/mile
100	\$129.42	\$56.50
200	\$167.62	\$113.00
247	<b>\$185.5</b> 7	<b>\$</b> 139.56
300	\$205.82	\$169.50
400	\$244.02	\$226.00
499	\$281.83	\$281.94
500	\$282.22	\$282.50
600	\$320.42	\$339.00
700	\$358.62	\$395.50

Note: Figures in BLUE reflect the average monthly miles traveled by Carson administrative vehicles and their corresponding costs. Figures in RED reflect breakeven miles at which reimbursement costs begin to exceed Carson's costs.

Breakeven Analysis: Single Trip Cost Comparison

The cost comparison for single trips is shown in Table 6, using the mileage thresholds presented in Appendix I and recent fuel costs and the latest IRS reimbursement rates. The analysis demonstrates that for a single roundtrip of less than ten miles it is more economical for the City to reimburse an employee for mileage (see figures highlighted in blue). For roundtrips of more than 419 miles, it is more economical for the City to rent a commercially available vehicle (see figures highlighted in red). Between ten and 419 miles (roundtrip), it is more economical to use a City vehicle. For example, trips to Las Vegas would qualify as a destination where it would be more economical to rent a car than use a City vehicle or pay mileage reimbursement.

Table 6: Single Trip Breakeven Point for a City-Owned Vehicle Compared to Personal Car Reimbursement

Roundtrip Miles Traveled Daily	City Pool Vehicle-Chevrolet Impala Ownership and Operational Costs	Cost to Reimburse For Use of Personal Car at \$0.565/mile	Enterprise Daily Rental Costs For Full Size Sedan (includes fuel)
5	\$4.37	\$2.83	\$35.01
10	\$5.44	\$5.65	\$35.71
20	\$7.58	\$11.30	\$37.11
30	\$9.72	\$16.95	\$38.51
40	\$11.86	\$22.60	\$39.91
50	\$14.00	\$28.25	\$41.31
100	\$24.70	\$56.50	\$48.31
200	\$46.10	\$113.00	\$62.31
300	\$67.50	\$169.50	\$76.31
400	\$88.90	\$226.00	\$90.31
419	\$92.97	\$236.74	\$92.97
500	\$110.30	\$282.50	\$104.31

# 3. Recommendation: Update guidelines and policies that support the most cost-effective means of transportation, and periodically update the cost analyses.

The City should update vehicle use and mileage reimbursement policies to more effectively manage travel-related costs. Depending on the situation, it may be to the City's advantage for employees to use their private vehicles, use City motor pool units (which would increase the average monthly pool vehicle mileage), or make better use of existing permanently-assigned department vehicles as opposed to retaining low use City vehicles identified in this report. Given increasing fuel costs and the impact on vehicle costs, annually updating the breakeven analysis is appropriate.

With direct mileage reimbursement, the City only pays for transportation when a private vehicle is driven compared to the total costs associated with owning a vehicle that may not be utilized consistently. Motor pools, which are discussed below, are commonly used in government and corporate fleets to minimize the size of the fleet and maximize the use of existing Fleet vehicles. However, in some cases the City may want to have employees identified by driving in vehicles with City markings.

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# IV. FLEET REDUCTIONS, POOLING, AND REASSIGNMENTS

#### A. FLEET REDUCTIONS

#### 4. Recommendation: Reduce and reassign the fleet based on results of the utilization analysis.

Fleet reductions can be accomplished by selling or reassigning underutilized units to a vehicle or equipment pool. A total of 27 vehicles and equipment were identified as candidates for reduction, reassignment, or pooling based on a review of utilization data, information obtained from the fleet survey, and interviews with the various City departments. Of the 27 units:

- Thirteen (13) units are recommended for disposal.
- Five (5) units are recommended for reassignment to a new central heavy equipment pool at the Corporation Yard.
- Four (4) units are recommended to be reassigned and added to the existing vehicle pool at City Hall.
- Five (5) units are recommended for designation as shop loaner vehicles, adding to the two
  existing shop loaner pool.

The specific vehicles and equipment to be disposed, pooled, and reassigned are listed in Appendix J. Before any surplus vehicles and equipment are sold, the City should evaluate whether they are in better condition than comparable higher-use units and make replacements accordingly. Please note in Appendix J comments provided by the City indicating a contrary viewpoint to our recommendations regarding disposition of some of the vehicles. These comments were provided subsequent to the review of vehicle disposition recommendations with the City, completion of our analysis, and preparation of the draft report. City management will need to decide what course of action they want to take regarding each vehicle.

#### B. VEHICLE POOL: CITY HALL

Carson City operates a small, centralized motor pool consisting of one sedan located in the parking garage at City Hall. Additionally, there are several department pools that employees draw from at various other sites. No one is responsible for dispatching the pool vehicle. Rather, City employees access the keys to the vehicle on a self-serve basis, and they are responsible for recording their name, department, and the date and time the vehicle was checked out and returned. Mileage and destinations are not recorded. Based on the limited amount of data available, this vehicle was checked out a total of 63 times during one year (July 2012–July 2013) for an average of five times per month. During that time, a total of 1,202 miles were recorded, an average of 19 miles per trip.

It is unclear why this vehicle is not utilized more frequently. City employees may prefer being reimbursed for using their own personal cars rather than drive the seven-year-old Impala. Sometimes an improperly maintained, cleaned, and/or fueled vehicle can deter ridership.

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City employees who use the pool car are not charged for its use. Consequently, Fleet Services bears the ownership and operating costs associated with this vehicle. In fiscal year 2012–13, it cost Fleet Services approximately \$1,157 to own and operate this car. This is not a best practice, as it adds to the Fleet Services Division's overhead, which in turn drives up the shop labor rate.

Recommendation: Expand the central motor pool at City Hall, utilizing existing City vehicles
and/or rental cars to provide access to vehicles that may be needed due to the surplusing of
underutilized vehicles.

Based on discussions with City departments during this study, some expressed a willingness to give up their assigned vehicle and use a pool vehicle if they could be assured that the pool vehicle was always available and convenient to access. Carson City has several options to consider in expanding the centralized motor pool at City Hall, including:

Transfer some newer model units from those assigned units being given up by City departments to the central pool. Based on limited usage data from the current City Hall pool log and interviews with fleet customers, it is estimated that a total of five vehicles will be required. However, the pool can be supplemented with rental vehicles if the need arises. Specific vehicles recommended for reassignment are identified in Table 7.

Unit Number	Year/Type	Department
2223	2006/SUV	Community Development
2213	2005/SUV	Community Development
5322	2003/Pickup	Parks and Recreation
1107	2006/Sedan	Assessor
1229	2006/Sedan	Existing Pool Vehicle

Table 7: Proposed Central Motor Pool Units

- Purchase a variety of new or lightly used vehicles to place in the pool. It is important to keep
  in mind that most of the pool vehicles recommended in the first option are somewhat older
  units with low mileage. Fleet customers are reluctant to use a pool with older units,
  especially if they are not kept clean and fueled, and they may revert to using assigned units,
  which is clearly a more expensive option.
- Utilize a local commercial rental car agency to supply pool vehicles on demand. The practice
  of utilizing commercial rental vehicles has become increasingly popular among public
  agencies. Advantages to this option include:
  - Broad choice of vehicle classes (compact, intermediate, standard, full-size, cargo vans, SUVs, 4x4 pickups, and passenger vans).
  - Delivery and pickup of vehicles by the rental agency.
  - Access to new, low-mileage vehicles.

- Vehicles are always clean and fully fueled.
- 24-hour road service.
- Choice of daily, weekly, or monthly rates.
- 6. Recommendation: Calculate rental rates to recover ownership and operational costs of all pool units.

Regardless of the method chosen, City employees who use a pool vehicle should be required to pay a fee. This fee should include all vehicle ownership and operating costs, as well as the administrative and dispatching costs of running a pool along with shuttling, fueling, and cleaning costs associated with the pool program. Furthermore, Fleet Services should consider developing a graduated rental scale that incorporates half-day, weekly, and monthly rates.

7. Recommendation: Train employees on guidelines and policies covering when to use a City vehicle, mileage reimbursement, or a rental vehicle.

It is important to note that expanding the motor pool will require the City to appoint someone at City Hall to check vehicles in and out and be responsible for keeping detailed records about usage, which will need to be analyzed on a regular basis. Pool utilization should be monitored for six to 12 months to determine the appropriate number and type of units required to meet City employee needs. Daily use statistics should be tracked, including but not limited to:

- · Department and name of person checking out unit
- · Date and time of check out, and return date and time
- Miles driven
- Reason for loaning out unit
- Number of times a pool unit is requested but not available

Mileage use criteria can be used to determine when it is most economical for the City to have an employee use a pool vehicle, receive mileage reimbursement, or use a commercial rental vehicle. Automated pooling technologies are also available.

 Recommendation: Utilize the State of Nevada's rental car contract for rental vehicles to supplement the City pool when units are out of service due to extensive repair work or for peak needs.

The State of Nevada has contracts with Enterprise, Hertz, and National to provide a variety of sedans, pickup trucks, SUVs, and vans. If this method is chosen, the City could piggyback on this contract to secure the best rates with a local rental car agency. Doing so would eliminate many of the costs associated with setting up an in-house central motor pool.

#### C. VEHICLE POOL: SHOP LOANER POOL

Currently, Fleet Services owns two vehicles that it loans to Fleet customers who have their city vehicles in for maintenance and repair work. A third unit (Unit 5125) is used as a shop truck for various tasks (meetings, parts pickup, and training). Best fleet management practices emphasize that the size and

## MOSS-ADAMS III

makeup of shop loaner pools have a direct correlation to the productivity and efficiency of a fleet's operation. For example, an excess number of pool vehicles might suggest that maintenance and repair work is not being accomplished in a timely manner. Consequently, the costs associated with keeping a large number of pool units on hand will ultimately add to the costs of the Fleet operation and drive up overhead.

#### 9. Recommendation: Expand the shop loaner pool.

Based on the number of vehicles that are recommended for elimination from departments located at the Corporation Yard, the shop loaner pool should be increased from two to seven units, including Unit 5125. Specific vehicles recommended for reassignment are listed in Table 8.

Unit Number	Year/Type	Department
5321	2002/Pickup	Sewer
2208	1998/SUV	Public Works
5512	2001/Pickup	Health and Human Services
5104	1990/Pickup	Parks and Recreation
2211	1998/SUV	Fleet (existing loaner)
1101	2004/Sedan	Fleet (existing loaner)
5125	2007/Pickup	Fleet (existing parts truck)

Table 8: Proposed Shop Motor Pool Units

Fleet customers should not be expected to pay for shop loaner vehicles unless their vehicles are being repaired as a result of operator negligence or abuse. The operational costs associated with these types of pool cars would then become part of Fleet Services' overhead.

#### D. VEHICLE POOL: CENTRAL HEAVY EQUIPMENT

Carson City does not operate a heavy equipment pool. Some departments at the City's Corporation Yard will occasionally share construction-type equipment with one another. City departments rarely share equipment with other public agencies, and there is very little need to rent equipment from local equipment rental firms.

10. Recommendation: Establish a new heavy equipment pool, supplemented with rentals, to provide access to equipment that may be needed due to the surplusing of underutilized equipment, and require all requests for heavy equipment rentals to be processed and approved through a single City source.

The recommended surplus of seven pieces of heavy equipment (see Appendix )) may necessitate the sharing of vehicles to meet the needs of those departments which lost vehicles. Departments could either develop a system for sharing vehicles or establish a heavy equipment pool, which is a best

practice. The advantage of a heavy equipment pool is the ability to track usage and allocate costs based on usage.

One of the drawbacks of the City's current practice is that the entire cost for maintaining and replacing the equipment is absorbed by the department/division to which the unit is assigned. One way to spread the ownership and maintenance costs fairly among the user divisions is to place the equipment in a pool that is administered by a central fleet operation. In this way, City departments can draw from this pool on an as-needed basis and pay only for the time they use the equipment.

An opportunity exists to establish a central heavy equipment pool at the Corporation Yard. Some equipment is specialized and does not lend itself to various applications. However, a number of heavy-duty units are not specialized and qualify to be placed into an equipment pool. Units recommended to be assigned to the central heavy equipment pool are identified in Table 9. Each department agreed that the units shown in Table 9 could be moved to a heavy equipment pool.

Unit Number	Year/Type	Department
6424	1994 Dump Truck	Parks & Recreation
7801	1993 Loader	Parks Mainténance
8113	2000 Backhoe	Public Works-Water
8501	1999 Air Compressor	Public Works-Water
6016	1996 Flatbed Truck	Public Works-Streets

Table 9: Proposed Heavy Equipment Pool Units

The City should monitor pool utilization during the next six months to determine the best type and number of units required to meet the needs of customers. This can be accomplished by tracking daily use, including:

- Department and name of person checking out unit
- Date and time of check out, and return date and time
- Miles driven
- Reason for loaning unit
- Number of times a pool unit is requested but not available

Renting equipment on an as-needed basis makes sense when compared with purchasing equipment that might otherwise sit idle for a good part of the year. This is considered a best fleet management practice. The City should establish contracts with local equipment rental firms in order to fulfill requests for equipment not available from the heavy equipment pool.

All requests for rental equipment should be approved through a single source such as the Fleet Manager, rather than each department making their own decision. Designating one person with

responsibility for renting equipment will ensure that all requests can be met from the heavy equipment pool or through a commercial vendor with whom Fleet Services has a contract.

## 11. Recommendation: Develop rental rates to recoup all ownership and operational costs of each unit in the heavy equipment pool.

Regardless of the method chosen, City employees who use a pool vehicle should be required to pay a fee. This fee should include all vehicle ownership and operating costs, as well as the administrative and dispatching costs of running a pool along with shuttling, fueling, and cleaning costs associated with the pool program. Furthermore, Fleet Services should consider developing a graduated rental scale that incorporates half-day, weekly, and monthly rates.



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# V. VEHICLE ASSIGNMENT POLICIES

#### A. DAILY TAKE-HOME AND STANDBY UNITS

Carson City's vehicle use policy contains general guidelines regarding permanently assigned take home units and use of standby units. However, it does not provide specific criteria by which to justify a City vehicle to be taken home.

Fourteen (14) City vehicles are currently designated as "permanently-assigned take-home units." Questionnaires revealed that one unit, vehicle number 5502, a pickup belonging to the Landfill Supervisor, exceeds the primary duty station-to-home criteria (20 miles radius) set forth in the City's vehicle use policy. It travels 23 miles and is used for a small number of callouts at only one to two per month.

There are also 14 vehicles that are designated as "standby take-home units" that are driven by City employees who are "on-call" on a rotational basis. One of these units, vehicle number 6600, a bucket truck belonging to a Signal Technician assigned to Streets Maintenance, exceeds the 20-mile radius (station-to-home). According to data contained in the Fleet Utilization Questionnaire, it travels 25 miles to home.

The number of monthly callouts for "standby take home units" ranges from 0 to 12 instances per month. Half of these units are called out less than three times per month, which calls into question whether these units should be taken home at all.

12. Recommendation: Revise the current vehicle take-home policy to add specific criteria relating to take-home and standhy vehicle assignments. Review all vehicle take-home and current standby authorizations, and justify approvals based on the new vehicle take-home policy.

A good vehicle take-home policy should stipulate that all requests be economically justified in terms of typical performance indicators, including miles traveled (total and work specific), usage (actual hours of use), and downtime, standby, and utilization percentages. To economically justify a unit, each request should be evaluated in terms of comparing the costs of taking a City vehicle home with reimbursing an employee for using their own vehicle, drawing a vehicle from the pool, or renting a vehicle. The costs of these alternatives have been identified in this report.

Part of the justification for taking City vehicles home on a regular or standby basis should be based on a minimum number of callouts over a period of time. Appendix F lists all City permanently-assigned take-home units and standby take-home units in the City fleet (excluding Police and Fire) and the daily station-to-home miles and number of estimated callouts per month for each unit.

City departments should be responsible for tracking the number, type, and miles traveled on callouts, and Fleet Services should be responsible for reviewing and monitoring this usage on a quarterly basis in order to assure that it complies with the City's vehicle take-home policy.

#### **B. CAR ALLOWANCES**

The City's Vehicle Use Policy states that: *The City Manager may authorize a vehicle allowance in place of an assigned vehicle, when it is judged to be in the best interest of the City.* Currently, 27 City employees receive a car allowance. Except for the Sheriff, all employees receive \$300 per month.

Many cities offer upper management a choice between a monthly car allowance and a city vehicle. Typically, car allowances range between \$250 and \$500 per month.



TOTAL

# VI. ESTIMATED COST SAVINGS

By disposing of 13 of the 27 vehicles and equipment that were identified as potential candidates for reduction, pooling, and/or reassignment, the City can leverage the proceeds and achieve ongoing cost avoidance. Initial revenues are derived from the sale of the surplus vehicles and cost avoidance comes from not being charged for annual maintenance and fuel costs.

Estimated one-year and 10-year cost savings associated with the recommendations in this report are presented in Table 10. Replacement costs are based on recommended replacement intervals, which the City may not be adhering to.

Savings and Cost Avoidance	First Year	Over 10 Years
Operational costs (includes fuel)	\$38,000	\$380,000
Replacement	\$53,500	\$535,000
One-time income from disposal of 13 units	\$65,000	N/A

**Table 10: Summary of Surplus Cost Savings** 

As noted previously, additional savings will be realized by those fleet customers that have given up their vehicles and equipment to be placed in the heavy equipment pool, shop loaner pool, and central City Hall pool. Some of these savings could be offset by charges imposed for renting out units. If the disposal of any of these units is deferred, the City should not replace them or similar units until the department concludes its review of the recommendations contained in this report.

\$156,500

\$915,000



# **APPENDICES**



# APPENDIX A, ALL DEPARTMENTS METERED UNITS

(Excluding Police, Fire, Take-Home, Standby and Pool Units)

Lican V	Model Year	hi ake	M catel	Unit Description	CRACE	Department	Division	Odomelar (miles/hogas)	Functional Category	LOMBH
2219	2003	GMC	BLAZER	DA BLAZER	22	District Attorney	District Altorney	38,516	1	L
1228	2001	GEAC	LUMBNA	CIA LUMANIA	1,2	District Attorney	District Altorney	72,440	1	L
5512	2001	GANC	CHC2500	HE PICKUP 4X4	55	Health	Health Administration	64,267	1	L
2216	2001	GALAC	815	PA S15 BLAZER	272	Parks and Recreation	Administration: Parks	39,368	1	<u>u</u>
1140	2008	FMC	FUSION	HE PUSSION	11	Heath	Health Administration	16,963	1	эн
1107	2005	GMAC	MALIBU	AS MALIEU	11	Ascessor	Assessor	26.400	1	н
1108	2007	FMC	TALIFALS	HE TAURUS	11	Heath	Health Administration	21,508	t	н
4206	1992	FMC	F350	SD TV VAN	42	Public Works	Stormwater	24,794	2	L
4012	1897	FMC	64	LE MERCURY VILLAGER	40	Library	Library	29,245	2	L
4300	2005	FIMC:	MARATHON VAN	8M CAMERA VAN	42	Public Works	Sever	2,024	2	Ł.
4104	1995	FMC		JV %AN	41	Juverije	Junenille Probation	73,755	2	L.
4001	2004	GMAC	EXPRESS VAN	BM (AN	40	Parks and Recreation	Facilities Maintenance	35,453	2	м
4108	2000	CAMED	C2506	BM CHEV VAN	41	Parks and Recreation	Facilities Maintenance	96,379	2	н
4003	2004	GMAC	VENTURE	IS VENTURE VAN	40	Administrative Services	Automason	17,642	2	н
4006	2007	GMC	UPLANDER	JAC MENINEVAN	40	Public Works	Transportation	45,537	2	н
4100	2005	GAAC	CG23406	REC VAN	42	Parks and Recreation	Recreation	35,186	2	н
4108	2007	GMAC	EXPRESS VAN	REC VAN	41	Partic and Recreation	Recreation	31,002	2	н
4011	2000	GAVIC	EXPRES8	BM CHEV VAN 1/2 TON	40	Parks and Recreation	Facilities Maintenance	67,838	2	н
4106	1597	FMC	CLUB WASON	VAN @ PARKS	41	Parks and Recreation	Park Maintenance	184,157	2	н
1139	3000	GMIC	MALIEU	JV CHEV MALIBU	<b>£1</b>	Anerile	Juvenše Probation	93,97 <i>4</i>	2	L
2218	2003	GARC	BLAZER	JV BLAZER	E	Janeriše	Janense Protestion	69.579	2	L
1227	2000	GARC	IMPALA	JV BAFALA	1,2	Javense	Juvenille Propostion	90.634	2	L
1200	2005	FMC	CROWN VICTORIA	JV CROWN VICTORIA	12	Juventie	Junenile Probation	36.373	2	Ł.
1201	2006	GMC	%APALA	JV BAPALA	12	Avenie	Juvenile Probation	29.54?	2	L
1202	2006	GMIC	SMPALA	JV RAFALA	1.2	Avente	Juvenile Probation	43.835	2	м
3225	2507	GAAC	CT1 5506	JV TRAK SLAZER	222	Avertie	Juvenile Probation	89,163	2	н
2235	2006	CHR	XLT	ALT SENT DURANGO XLT	22	Justice Court	Alternative Sentencing	<u> </u>	2	L
402	230≠	GAAC	SMPALA	ALT SENT (MFALA	12	Justice Court	Alternative Sentencing	81,3%5	2	t.
926	1993	FNAC	CROWN VICTORIA	ALT SENT CROWN VIC	13	Justice Court	Atternative Sentencing	92,172	2	н
2236	2006	CHR	XLT	ALT SENT DUNANGO XLT	22	Justice Court	Atemative Sentencing	96,318	2	н
5601	1992	CHR	0350	WM PUPUT HYD TRUCK	56	Public Works	Water	26,182	2	L
6363	2006	FMC	F550	PW FAST ATTACK CREW CAB	63	Public Works	Water	8,716	2	Ļ
5307	1594	GMC	ÇX 1500	ST.PICKUP ON CALL	53	Parks and Recreation	Park Maintenance	\$15,60 <b>0</b>	2	L
22338	1996	GMC	elažer	STELAZER AT EN	20	Public Works	Street	62.471	2	L.
5322	2003	GMC	SALVERADO 1500	BM PICKUP 404	53	Parks and Recreation	Facilities Malmienance	18.596	2	L
553G	2011	FMC	F250.00.T 4X4 90	SKSNAL MAINT PICKUP	55	Publik, Works	Street	4,435	2	L
5320	2002	. FMC.	F151	HE PICKUP 4344	53	Health	Health Administration	#2 822	2	L

Line of	Model	i i i i i i	Model	15-8	<b>5</b> 1	<b>5</b>	****	Osomer	Puscional	LiMin
LITTALE IF	Year	****	ROSE	Unit Description	Cless	Department	District	(prilital/hopsira)	Catagory	CINCIN
£702	1995	CHE	08-3500	VOICE VILITIES AND MOTE AND	57	Public World	Corpor	86,979	2	ı
5378	2000	PMC	F150	LF PICKLEP 4XA	53	Futilio Vitoria	Lesdfill	\$41,001	2	ı.
5005	1996	FNC	RANCER	OF PICKUP	50	Parks and Recreation	Part Martenance	69.725	3	ŗ
2233	2006	Fuc	XLT 4564	SAG EXPLORER OPN	322	Public World	Tressortation	¥7,560	2	L
5419	1987	GMC	0/0500	SM PICKUP WITH SHELL	54	Perto and (Secreption	Facilities Maintenance	82; <u>71</u> 1	3	Ŧ
<u>63</u> 61	7004	CIMÉ	CKI608	WE NOTE THOUSE WIKE	_ 53_	Futilic Worlds	Viete	66 <u>,</u> 016	z	L
5216	1959	CHR	0100	SM PICKLS	- 57	Parks and Recreation	Facilities Maintenauss	54,349	2	**
Šton	200e	OMÉ	COLGRADO	PE PICKUP FRANKS	<b>50</b>	Public Works	Parking Enforcement	27,300	*	N
5691	1996	PNC	RANGER	PA FGRO PICKUP	50	Parts and Recreation	Park Mandermoon	74,5692	3	N.
730a	2057	OME	性系型狀	ST BLAZER GEN	22	Public Morla		37.256	2:	<b>)</b> 88.
ಕ್ಷಭಾರ	1991	FNG	RANGER	CE PYCKUP	<b>5</b> 0	Perta and (Recreation	Cernebary	100,586	2	pai .
5221	1994	046	CK3500	PA PICKUP	-52	Parts and Reception	Prack Material musica	100,776	z.	M-
5232	1995	FMC	F150	PA PICKUP	502	Perta and Recreation	Park Motromance	87,451	3	RÍ
5233	2000	PMC	SUPERCAB	PA PICKUP	-53	Pario and Recreation	Perk Marriane-co	116,845	2	M
5120	1999	0.66	5-35	ST FICKUP 434 AT EN	žn.	Public World	Street	93,245	2	M
50104	2000	OME	9500	PA 140M 4K4 UTLUFY BODY	57	Pariot and Recognition	Park Mariamasca	78,466	2	RL.
5307	3005	ÓMG	X9500	Pa pickup Bootte	£	Paris and Recreation	Park Martecence	30,625	2	10
5401	2004	cuć	CK2500	PRÉMICKUP UTRUTY BODY	54	Parks wat Recreation	Park Marchineson	47,825	2:	M
6313	195785	auc	CWISCO	ST PICKUP TOWASCO	53_	Public Works	Street Mainingspron	83 35D	ヌ	ii.
6238	2002	ř.NC	F150	PA PEDILIP	57	Parts and Recreation	Park léantaca.co	56,024	2	R
5015	19990	FNC	MANGER	PA PICKUP	50	Parks and Regreston	Parja likainturas sen	49,832	2	M
5501	200a	Ġ.w.c	CK2500	SM PICKLE URBAN WICE	±e.	Putitic Works	Source	60 <u>,88</u> 8	7	
5403	20X6	CIMS .	C2500	PA PICKLEP	54	Parks and Regression	Freix Maintenance	25,796	2	M
\$1.00	19825	DIAMO.	\$-10	PA PERLIP	23	Parts and Represson	Park Marian more	59/513	2	×
5703	1920	340	X2600	SM ITOM 474 UTILITY BOOY	- 53	Public World	S	91,964	2	86
2206	2006	GM2	YAMOE	OPEN STACE TAHOR	z:	Parks and Recreation	Среп Бреси	36,222	2	Ìď.
5028	1967	CLANC	SOMONA.	PA PICKUP	50	Parks and Recreation	Park Mainterwoon	21,2759	3	M.
5531	\$00d	FMC:	F250	WAYTE PICKUP UTILITY BODY	±	Smarr	Vicania votas Planti	68,373	3	н
6375	1965	Q Medici	CKISOG	ST SON SHOP PICKUP	53	Public Vibria	Shert	107,663	2	41
5423	200ê	FMC	SUPER DUTY XLT	SAM PICKUP UPILITY BODY	54	Parks and Recreation	Pacinine Maintenance	75,640	3	н
Signa	1992	13940	C3/15/00	PA PICKE!		Factor and Recreation	Park Martenage	0,633	3	н
5234	2000	GMC	SILVERAEO	PA CHRY PICKUP 50 FON	52	Parts and Recreation	Park Marriage	112 161	7	н
B420	1998	GMC	5-20	ST PHOKUP	54	Public Works	Street	97,631	- A	н
3510	3000	CHANC	GIQ580	ST PICKUP 4KA CHARLES	***	Public Works	Street		2	
221E	2068	GMG	C/12505	YAM TRAIL BLAZER ENGIÊN	223	Pusic World	State (	108,155 34,413		H
5304	2007	FNC	F150-40.7 404	WAN PICKUP ARGELLA	50	Fueric World		34,413	7	
5121	20300	Press.	RANGER	WHI PICKUP 4X4 GORDON YOM		0.000	Withe	ZPA10	2 2	н
				597533		Public Vitoria		73,486	2	н .
6103	2000	PNC CHAC	# 250%L	WAN BELF EXT CABUT REYNA	67	Fluidic With	White	36,945		
5404	2008	OME	C2500	EM PICKUP	- 4	Parts and Recreation	Facilitati Maintenures	31,558	2	H.
5305	2007	PMC	XLT Exhibites	ST PICKUP CREWCAB	53	Public Works	Street	56,814	- 2	-н
5127	2006	#NC	RANGER	SM KANGER	51	KNOWE Wester	Serent	39,621	<u>*</u>	н.
5730	2091	AMC	F250 XL SUPCAN	SD PIGNUP KEVIN	57	Fuelic Vécila	रिन्द्रपाननाम	12:573	1	Ħ

Unit #	Model Year	Make	Model	(Jest Description	Čima	Ceparizonal	(Obvission:	Odometer (naticalization)	Fundicial Calophry	上點計
<u>54(5</u>	19820	GMC	G(2500	OM PECELER	54	Parts and Resouthin	Perillies Mindergrap	गहास्य	2	н
53185	2001	GMC	Ø <u>61800</u>	PA PHENLIP 43M	83	Parks and Recreation	Park Melcimpassa	ප්ෂ කණ	2	N
5607	1920	PMC	P350	SSA PACKLIP 4XA	85	Paris and Recombion	Paditon Middecares	55,642	2	н
5423	2003	GAIC	t:2500	BM CHEV PICKUP	54	Pertorand Recreation	Facilities libitatecunou	70.458	2	ia
新姓	2000	PME	rangér	ES PICKUP KEWN MCCOY	÷ξ	Community Development	Code Entersement	137,824	2	H
59:24	2008	FWE	Pina XLT	ec pu extgabilin peck	55	Public Wodox	Barwar	38,370	2	摄
5421	15598	SAND	GC2500	ST PICKUP	54	Puciac Warks	Shell	115.863	2	н
2203	2004	GAMC	er_azeri	PU BLAZEN PAINCHASING	22	Admirántos Saryicas	Purchasing	*4,000	z	н
5256	2500	ÓMC	1500	PACHEV MONUP	832	Perior and Recreation	Print Maintenance	54,767	2	pt
8105	2000	FMC	F3950 Xs.	WIN PROPERT CAS BHINE	51	Public Works	Winter.	26,907	2	н
5205	2507	PMC	X1.1	PA PICKEP	527	Parks and Recreation	Рий Микентики	34,731	2	R
<u>5204</u>	2006	GMC	G1500	PA PICKUP	62	Parks and Recreation	Part Maisterape	49.213	ž	M
S125	2507	GMC	YCS	PE PICKUP	ă?	Public Works	Klast Mayanazard	39,430	2	Ni.
			e séata	PAPICKUP	52	Perkeland Recreation	Park Marancanos	79,154	ź	ж
5236	2001	586			57	Pulzalic Woodka	Wigner	633,366	2	H
5124	2000	davic	YCS	WAR POSCEP WITH HOR TRUELL		Prenta and Resonation	Park Maidenaros	34,900	2	н
56165	200k	PMC	TAK YTUO PÄYLT	FA PICKUP GREW CAS	<u>86</u>		_	57,457	2	н
5402	2006	CAIC	2500	ESS REALP UT ITY SECRE	54	Perto, and Resonation	Fedition Majorance			H
6704	2008	ř <b>v</b> e	F3507L	WHI FUT EXTEND UT HED	51	Puistlo Wasta	Water	33 270	2	
2021	2006	£₩5	\$250 XLT	WAN PROMISE BUT CAS JOST	tris.	Pužški Worka	Water	44,263	2	H
-500ë	2006	CMC	C1800	PA PICKUP	F2	Perio, and Mecresion	Park Makharance	50,660	2	H
2297	2002	SAIC	BLAZER LS	SAN BLAZUR WIR UNT BUIZ	Z\$	PuitiNo Whathus	Wide	\$13,7000	2	H
96723	2008	PME	F250 KL7	MINI PICKLIP EXT CAB CROW	<u> </u>	Puzalic Wasten	Walter	55,102	2	ĸ
5176	2007	BARC	YCS	WANTED BY MITH HOR THURST.	51	Public Worter	Water	76, kgs.	2	Ìi
ZZ27	2008	GMC	CT19868	87 BLAZER (# PW PLATT	22	Public Wester	Steet Merberona	62.548	2	B
53003	2004	GWC	GX1500	WIN PICKUP CATLETT	53	Puisito Musica	Wide	55,549	2	H
5317	25001	GNC	CK1500	WW PICKLIP REA MATHESEN	53	Public Works	Weter	124,831	2	н
5319	2002	PUC	P\$50	WAR PERSONAL CAR MORE TO	83	Public Works	Walst	116,525	2	je
5533	2002	GMC	WITH LIFT GATE	AN MOUTE CONTIN	86	Pu <u>icitis: Workin</u>	Water	1403,4592	2	н
5237	3001	DMC	\$ <b>550</b>	PA PIĆKUP	22	Partouned Reconstition	Park Machinage	90,011	2	jų.
60116	19998	FARC.	F280	STRAYBED	භා	Exercise Western	- Strain 1	43.750	2	H
6418	1993	GMC		ST FLAT BLE THUCK	64	Public Works	Shell	44, 259	2	H
5.514	2002	CARC	C-30	STIFLATEED MCKLP	57₹	Public Weston	Street	52,567	2	Ņ
Bollo	1999	EMC	03500	STOWNE TRUCK	80	Public World	Street	75,786	5	и
5303	2003	91008	F450	WHI 15 TON DUMPA PLOW	53	Fuelle Waske	Whiter	52,247	5	и
2104	2002	SAIC	<b>X350</b> 0	PA SUMP TRUCK 4%4	۵۱	Paris and Recreation	Park Maistanacco	37.èmè	5	ja
दक्ष	2003	<b>非四</b> 烷		WW 15 TON OUMPL PLOW	63.	Public Works	Window	52.534	5	И
£307	2005	PME	MUDRY DUMP BODY	SM 15 PON CUMP TRUCK	eş.	Public Works	Seven	32.157	5	H
15904	2007	r sec	F450	ST 1.5 TON DAME THUSE	653	Puthika Works	Shower!	30,696	5	梅
5500	200s	PMC	MUGBY GUNE BODY	ST 1.6 YOM DUMP TRUCK	623	Puitate Whatea	Stawet	39 760	5	推
154/3 7	1564	PARC	V7100	E.P. TIBUCK	64	Public Wodus	Landti	56.825	5	Ŀ
64360	1997	##C	2574	LF GRANT TRUCK	64	Pything Wardon	Lumat SSI	71,882	5	Ł
56135	1923	HIG.	4100	STITUAT BED DUMP	54	PVS9c Water	(Street)	45.45	š	H
5424	5224	GAC	1130	PA DUMP TRUIK PLOW	24	Phylosept Mechaniton	Park Mainters con	41.851		E

Unit #	Merchall Years	M disa	Modul	Link Casteripiton	(Cassa	Department	Division	Odornálií (miles/hos/s)	functional Catagory	LALA
6414	1989	DHS	43QC	PA CHIMP THUCK	54	Parks and Mecouston	Park Humberson	4,923	5	L
6475	1997	:IHC	4900	WAS YO BUMP / PLOW	64	Public Works	Váscer	41,339	5	_
6426	2006	3HE	ASH GYETH GOOT	ST SANGER PLOW DUMP	54	Public Vicina	Street	28,780	5	L
6403	2006	<b>S</b> riti	סופות מספו	ST SANDLIK TLOW DUNK	<b>64</b>	Public Works	ër⊷t	31,400	*	L
8436	20006	aetč	PEOC HISTO	ST SANDER PLON DUNF	64	Public Works	5tr⊯t	25,085	š	ı.
6400	2006	₽4Č	7500 H7570	SE SANDER FLOW DUNP	64	Public Works	Street	20,414	ń	i
6458	2005	奎梅	oteth saet	ST SANDER FLOW DUNF	54	Public Works	Street	24,862	- 5.	L
45/40/7	2000	298	7500 H7570	ST SANDLE PLOW DUMP	54	Public Merios	Street	28,225	*	L
6402	2000	靴	7600 HITERO	57 SANDER FLOW DUNF	- 64	Public Works	Street	33,104	5	M
54%	2006	.e+c	PSOSHTSTO	et sander plont cump	84	Public Works	Street	24,481	€.	Ni
5401	2006	ánc.	7 <b>50</b> 0 H7570	ST SANDER PLOW DUMP	8	Public Worle	Sirwei	38,665		н
8434	2039	JHC	7500	ST GUNEP SANDER PLOW	634	Public Wester	St <del>urt</del>	£7,150	<u>s</u>	н
6433	2020	E+C	1900	ST OUND SANEER PLOW	64	Public World	-Sárwei	19,206	.5	н
B4CSS	2054	is-10	7300 01486	WARE YARD GUNP PLOW	54	Public World	WiteSur	372,290	٠	н
E413	2000	KIEK	isasi	ST KENAYONIN TEND INACTOR	54	Public Wester	Street	516,120		NUA
		FET				Fubilio Works	Str=1	30,762	5	NA.
8452	2007		367	UF MIT PETERSELT TRACTOR	- 54 	Public World	Lancati E	77,197		L
50 97	żźści	¥0:	A400	LE VOLVO HAULTRICE AND	æ					d.
BBOT	1982	FMC		BM BUCKET TRUCK	-ez	Participand Regression	Facilities Maintanunce	77,507		Ľ
-6600	2004	≢L	ALTEC BLOCKET	ET TRUE BUCKLE INJEK	- 50	Puzilio Vilgyrka	Street	5,326	*	
8606	1564	OME	Cali-distan	ST TRASH GOMPACTOR	- 00	Public Wests	Elir=s	96,121	*	H
B874	25001	art C	2674	ST FATOH THUCK	-	Fuelic Works	Street	46,OB)		H
<u>6</u> 513	20001	896	W4500	ST STARE BED PAINT THUCK	æ.	Public Monta	Stud	83,748	5.	н
9901	2006	9146	HESK, 4000	PAHEL GARBAGE COMPACTOR	æ	Paris and Recember	Park Manheuses	112,113	- 5	Ħ
68534	2003	FIET	340	UF RIGHT OUR AMPRICK	æ	Public Works	Lendië	100,500		н
8704	20001	KIEN	7800	U" WATER TRUER	67	Public World	Landfü	55,740	*	L L
5014	10790	OM:C	ÇK-3603	UP LUSE TRUCK	-ac	Public Works	(and II	50,114	*	ı
6703	1982	PMC	F750:	FA WATER TRUCK	- ex	Parks and Recreation	Park Mainteracca	60,815	5	·H
6705	2006	新位	3600 GALLON	ST WATER TRUCK	67	Public Works	Street Matchesonos	14,750	ā	н
4220	2000	FMC	fast super buty	JAC BUS	e	Public Works	Transcorteion	71,532		
4229	2009	rws.	F450 SUPER DUTY	JAC BUS	42	Public World	Traceportation	19,777	å	N
4233	2039	OMC	ЕГОСКАТО МАПОМ	JAC BUS KOOVAK	42	Public Works	Transcorbifica	77,445		list
4235	30°80	GME	PLEORADO NATION	SAC BUS KOSIAK	-G	Public Worle.	Transportation	86,752	<u> </u>	И
4254	2020	CANE	ELDORADO NATION	SAC BUS KODIAK	-62	Fuitific Works	Tracaportation	97,098		н
KZY!	2009	SME	ELDORADO NATION	SAC BUS KODIAK	42	Public Works	Transcottation	106,778		н
402302	23700	Carie C	ELDORADO NATION	SAC BUS KODIAN	462	Public Works	Tracacortation	98,337	à	H
4279	20003	FMC	BUTEKBUTY CLUBO	REC THANSIT BUS	46	Parks and Recreation	Recreation	550,600	۵	1
4235	2012	GMC	express van	JAC TIGANSIT BUS	45	Stubsic Works	Transportation	9,750	5	R
4 <u>0</u> 5	2000	FINC	STARGRAFT	Jaé Bus	46	Public Works	Inexecutation	अवसः श्रेतेष्ठ		н
#23ST	2012	GMC	ejuhkas van	JAC TRANSIT BUS	40	Public Vytrica	Îmesecatelon	F1,123	5	н
4223S	26320	PMC	STARCHAFT	JAC BUS	46	Public World	Transportation	106.038		н
4000	2012	2M2	COMMESS VAN	140 TRAKERT BUS	48	Public Works	Transportation	13,763	5	:14
4236	20001	s+iC	MAN PORFER T	JAC SEUS INTERNATIONAL	46	Dutain Vestion	Transcription	36.261	.5	н

Limite de	skodeř Yest	ji alia	(A codeal	Usak Designation	Class	Digital Marie II	Diřebilon	Odomater (mileshours)	functional Category	E-Males.
8414	1901	ens	4%00	PA DISMP TRUCK	-54	Parts and Recordon	Park Matrianacca	4,023	*	ı,
6422	1997	2HS	4900	WWW S YO GUMP A PLOW	54	Pužilo Vilorio	Várder	41,132	5	1.
5406	20008	#HC	Tecci intetto hak	ST SANDER PLOW DUMP	64	Public Vibrio	Street	26,783	5.	4
8403	2006	E-HC	7500 H7570	ST SANDER PUDM DEIMP	64	Pusic World	.© <del>tr•≡r</del> i	31,400	5	ů.
6400	2008	enc.	7500 HTSYS	ST SANDER PLOW DUMP	ē4	Public Vibrica	Silveri	28,086	ø	1.
5400	2000	₩C	פוצדות ממפל	ST SANDER PLOW DUMP	84	Problem Works	Street	_20,414	4	Ł
-6406	25308	260	שופות מספת	ST SANDER PLOW DUMP	84	Public Vibrio	Shed	21,362	5	L
540T	2002	#4C	7500 H0570	ST SANSOER PLOW DUMP	54	Fusik: Worter	Street.	25,25	5	L
6402	20006	FriC	TEOD HITETO	ST SANDER PLOW DUMP	54	Public World	Street.	23,904		N
					54	Pulatio Wanta	Street	24,481	*	N.
-5424 	2006	9HC	7500 87570	ST SANDER PLOW DUMP				_	- 3 - 5	.n.
8401	2006	JEHC .	PSOS HISTO	ST SUNDER PLOW-DUMP	- 54	Public Works	Street	38,965		
8434	3009	840	7800	ST GUMP SANGER PLOW	- 54	Public Works	Street	17,100		Н
\$4000	2300	數位	7500	ST DUMP SANDER PLOW	64	Public Works	Sirent	19,205	*	н
8431	25304	®HC	7300 É11486	WAS YARD GUMP PLOW	64	Public Vitorio	V/m/m	39,290	5	H MA
6413	2000	KEH	teace	ST KENAWORTH TOOD TRACTOR	-84	Pužišo Vijorija	Street	116,120	5	MUA.
6432	2007	PÉT	58₹	LF SET PROFESSION T TRACTOR	54	Public Works	Straint	32,767	5.	
-5647	20007	VO.	A400	LEVELVE HAULTRUCK A4CO	*	Public Works	Lendfilb	ď	- 5	¥.
6507	11992	FNE		BRE BUCKET TRUCK	æ	Preto and Recreation	Facilities Maintenance	77,80T	ž.	_
ésc;	2504	βL	ALTÉC ÉLYCYÉT	ST TREE BUCKET TRUCK	<b>65</b>	Putrio Worles	Ši <del>ras</del> t	5.325	3	L
5506	1994	CMC	⇒<2500	61 TRASH COMPACTOR	-	Profile Weston	Street	96,125		H
-2514	2301	BHC	2074	ST PATCH TRUCK	æ	Public Works	Street	40,061	5	-Ht
6013	2007	OM:	VM450E	ST STAKE BED PAINT TRUCK	- cc	Property States	Sineri	833,545	5	н
<b>500</b> (1)	2005	àwa	HEDI: 4000	PARHELL GARBAGE, COMPRETOR	æ	Parks and Recreation	Park Waintaracca	112.113	¥.	н
-000,-4	3007	न्द्री	340	THE BOOKT OLD THERESE	æ	Fuhric Works	Lendië	100:500	5	н
57C4	200371	KËN	1300	UP WATER TRUCK	a	Public Works	Leccifii	50,740	6	L
5034	1000a	GM/C	CK-35500	UF CHEE THUCK		Public Works	Landik	60,314		L
Bitos	1982	ili Maka	K?00G	PAWATER THUCK	<b>57</b>	Parks and Mecreston	Park Maintanance	ಕ್ರುತ್ತಿಗಿತ	6	н
6795	20056	3+KC	SEEDE GARLICAN	ST WATER THUCK	-67	Flutific Works	Shart Maidenance	£4,789	ś	н
4230	280000	₽MC	F450 SUPER OUTY	_axó eus	-67	Public Works	Transcription	71,632	*	L
4229	2000	FNC	F450 SUPER DUTY	3129 041	43	Fublic World	Insuportation	ז דל,פד	5	N
6233	2009	CS SMICE	MOVÉAN CIĞARCIJIĞ	SAC BUS KOSSAK	-G	Mutate Works	Insepotation	77,446	6	N
40056	2050	eileo Osein	ČLĖGRAGO NATION	JAC BUS KOSMAX	42	Public Works	fransportation	66,952	8	Ħ
6734	20000	UMC.	ELDOKADO NATION		42	Public Works	Tragacertation	g/ jogg		11
402371	3000	DIM:	ELDOHADO MATIGNI	JAC BUS KOOWK	G	Public World	Transportation	100 776	5	н
4232	2009	OMC	ELDORADO NATION	JAC BUS KODAK	42	Public Works	Transportation	96,337	5	**
4219	2003	PMC	STIFFED TY CTION	PEC TRANSIT BUS	45	Pacts and Recreation	Secresion	186,550	5	T
	2012	OMC	EXPRESS VAN	Jac Pransit Dal	46	Plant Risk Machiner	Transportation	9,050 021,0	6	H
4238			A COLUMN TO SERVICE SE						<u> </u>	
4008	2003	#WC	STARCHAFT	540 6US	46	Public Werlan	Tracescortadion	90B.278	i e	#1
4237	2012	OMC	èvénéss van	JAC TRANSIT BUS	-48	Public Works	Transportedan	11,527	5.	Ħ
4226	2007	FMC	STANCEAST	SAC BUS	46	Public Works	Transportation	106,938	<u> </u>	Ħ
4220	2012	SME.	EXPRESS VAN	LAC TRANSIT BUS	45	Public Works	Transmortation	12,283		н
4236	204 (	MC	MAX PORCE T	Jac Bus international	<u>+6</u>	Putric Works	franscripton	39.781		н

# APPENDIX B

# ALL DEPARTMENTS HOUR METERED UNITS

# Excluding Police and Fire

Unit #	Model Year	Make	Model	Unit Description	Class	Department	Division	Odomater (miles/hours)	Functional Calegory	L/M/H
7703	1980	FMC	1600	PA TRACTOR	77	Parks and Recreation	Park Maintenance	2,891	6	L
7709	2000	NEW	TN65S	PA TRACTOR	77	Parks and Recreation	Park Maintenance	1,917	6	L
7706	1991	JЮН	2355	PA TRACTOR	77	Parks and Recreation	Park Maintenance	1,633	6	L
7704	1974	FMC	3400	PA TRACTOR	77	Parks and Recreation	Park Maintenance	3,969	5	L
7711	2004	NEW	TN600A	PA NEW HOLLAND TRACTOR	77	Parks and Recreation	Park Maintenance	713	6	м
7708	1996	NEW	DA5PWX	PA TRACTOR	77	Parks and Recreation	Park Maintenance	1,556	6	н
7707	1991	FMC	1520	PA TRACTOR	77	Parks and Recreation	Park Maintenance	3,263	8	н
7713	2009	NEW	T5060	PA NEW HOLLAND TRACTOR	77	Parks and Recreation	Park Maintenance	315	6	н
7801	1993	MEL	743-8	PA 809CAT LOADER 743-B	78	Parks and Recreation	Park Maintenance	1,391	6	N/A
7803	2007	ING	531115593	ST SKID STEER LOADER \$300	78	Public Works	Street Maintenance	1,209	6	M/A
7905	2006	CAT	8263	LF COMPACTOR 826G	79	Health	Land Administration	13,803	6	M/A
7907	2012	ALJ	ALJON ADVANTAGE	LF ALJON COMPACTOR	79	Health	Land Alministration	1.199	6	N/A
7901	2007	vo	EC290B-LC	ST EXCAVATOR EC2909-LC	79	Public Works	Street Maintenance	1,544	6	N/A
7902	1999	ноу.	230LC	LF EXCAVATOR 230LC	79	Health	Landfill Administration	7.915	6	NA
7903	2001	CAT	D8R 11	LANOFILL DOZER D8R11	79	Health	Landfiti Administration	11,000	6	NIA
7906	2007	KOM	D275 WITHVLF	LF DOZER D275	77	Health	Landfill Administration	3 826	6	N/A
8005	2007	VO	G946	ST MOTOR GRADER G946	60	Public Works	Street Maintenance	2,371	6	W/A
8000	2006	CAT	143H ALL WHEEL DRIVE		80	STORES.	- ARISSIA.	Part I		N/A
	1996			LF MOTOR GRADER 143H	7.5	Health	Landfill Administration	2,269	6	L
8110 8113	2000	JOH	SUPER L SER 1	PA BACKHOE 580 SUP L	81	Parks and Recreation	Park Marntenance .	4,224	6	L
				WM 410E BACKHOE		Water	Maintenance	1,779	6	
8107	1992	CAS	TURBO 4X4	LF BACKHOE 590 TURBO	81	Health	Lancilla Administration	5,010	6	М
8112	1997	CAS	SUPER L	CE BACKHOE SUP L	81	Parks and Recourtion	Cemetery	3,010	6	М
8114	2007	CAS	590SM SER 2	WM 590 BACKHOE W/THUMB	81	Water	Maintenance	2,163	6	н
8116_	2007	CAS	590 SUPERM SER2	WM 590 BACKINGE WITHUMB	81	Water	Maintenance	1,906	- 6	н
B115	2007	CAS	590 SUPERM SER2	ST 590 BACKHOE WITHUMB	81	Public Works	Steet Maintenance	2,396	6	Н
7702	1991	CAS	580 SUPERK	PA LOADER	82	Parks and Recreation	Park Maintenance	5,439	6	L
7712	2003	CAS	570MXT TUPBO	WWTP LOADER WITH DRAG	82	Sewer -	Wastewater Plant	1,251	6	L
8200	2004	ЮН	GHALL LOADER	ST 644J LOADER 3.75YRD	82	Public Works	Street Maintenance	5,490	6	
8202	2007	vo	L70E	ST L70E LOADER 2'9 YRD	82	Public Works	Street Maintenance	3,450	6	M
8203	2007	vo	L150E	LF L150 LOADER	82	Health	Landfill Administration	7.913	6	н
5201	2004	CAT_	966G	LF 966G WASTE HANDLER	62	Health	Landfill Administration	19,204	6	н
300	2005	FL	A8000	SD SWEEPER	83	Storm Water Orainage	Maintenance	2,969	6	L
8301	2005	FL	iii	ST SWEEPER JOHN'S	- 63	Public Works	Street Maintenance	6,936	6	н
3304	2008	MT	4300M7 500X	ST TYMCO SWEEPER RICHARD	83	Public Works	Streel Maintenance	1,413	6	н
303	2010	(HC	TYMCQ 500X	ST TYMCO SWEEPER FIORERT	83	Public Works	Streel Maintenance	2,166	6	В
8411	2011	TMI	SUPER PRODUCTS	SM JET RODDER RED CAMEL	84	Sewer	Maintenance	1,025	6	L

Unlt #	Model Year	Make	Model	Unit Description	Class	Department	Division	Odomele: (miles/hours)	Functional Category	LMM
8408	2001	SP	LT7500	SM JET RODDER CAMEL	84	Sewer	Maintenance	5,280	8	L
8410	2006	INT	VAC-CON	SD JET RODDER	84	Storm Water Drainage	Maintenance	2,933	8	м
8406	1996	GMC	CK-3500	SM SEWER RODOER	84	Sewer	Maintenance	7,744	6	н
8409	2006	IHC	2U2080736	WM VACUUM EXCAVATOR	84	Water	Maintenance	3,617	6	н
9402	2005	FMC	F450	SM SEWÉR RODDER	64	Sewer	Maintenance	8,186	6	н
502	1990	SUL	1650	SM AIR COMMPRESSOR	85	Sewer	Maintenance	793	6	L
8508	2007	ING	P185WJT	WM AIR COMPRESSOR P185	85	Water	Maintenance	650	6	L
3501	1999	нок	PDS186S	WM AIR COMPRESSOR	85	Water	Maintenance	871	6	М
3505	1999	su	D210Q6JD	LF AIR COMPRESSOR	65	Health	Landfill Administration	1,878	6	м
3507	2007	ING	P250WJD	ST AIR COMPRESSOR P250	86	Public Works	Street Maintenance	11,124	6	н
603	1990	CLK	4000-LB LIFT	WM FORKLIFT	86	Water	Maintenance	1,075	6	L
606	1993	cux	GPX20	PA FORKLIFT	86	Parks and Recreation	Park Maintenance	1,630	6	М
3600	2006	CAS	588	FS FORK LIFT	86	Public Works	Fleel Management	. 563	6	н
3605	1985	NA		WWTP FORKUFT	86	Sewer	Wastewater Plant .	5,440	6	н
3607	2003	DAE	G20E-3	WM DAEWOO FORKLIFT	86	Water	Maintenance	614	€	н
3700	2010	vo	S070D	ST VIBRATORY ROLLER	87	Public Works	Street Minimum in	181	6	N/A
3705	1997	ING	0022	ST ROLLER	67	Public Works	Street Maintenance	2,332	6	N/A
2017	1996	LIN		UF WELDER	90	Health	Landill Administration	905	7	L
9009	1990	PER	200+	PA BRUSH CHIPPER	90	Parks and Recounts	Park Maintenance	1,833	7	L
812	1999	AL	ML4HAOMXRV	WM MAXILITE 4 LAMP TRAIL	68	Water	Maintenance	1,676	7	L
3816	1999	PT	PV200T	WM TRAILER MOUNTED VACUUM	83	Water	Maintenance	39	7	L
3823	2002	PT	PV350	WM TRAILER MOUNTED VACUUM	88	Water	Maintenance	295	7	SSP F
010	2008	VER	8C1800XL	ST CHIPPER VERMEER	88	Public Works	Street Maintenance	1,084	7	н
862	2011	C <u>P</u>	CRACK PRO 260	ST CRACK SEALER	88	Public Works	Street Maintenance	1,388	7	н
1021	1999	HON	TRX450SX	HE HONDA ATV	90 Health Health Administration 1,597		7	L		
022	2000	нон	TRX450SX	HÉ HONDA ATV	90	Health	Health Administration	186	7	L
024	2007	KUB	RTV900	WWTP.KUBOTA	35	Sewer	Wastewn I Plant	1,490	7	н

## APPENDIX C

# ALL DEPARTMENTS NON-METERED UNITS

# Excluding Police and Fire

Unit #	Model Year	Make	Model	Unit Description	Class	Department	Division	Odometer (miles/nours)	Functional Category
8819	2001	ww		AC HORSE TRAILER	88	Animal Services	Animal Services	0	8
8830	2005	CAR	XP85242	AC ADOPTION TRAILER	88	Animal Services	Animal Services	0	. 8
8839	2005	INT	10' CARGO	AC COVERED TRAILER	88	Animal Services	Animal Services	0	8
8844	2006	CHA	SIGN TRAILER_	CO CHEAP SIGN TRAILER	88	Community Development	Planning	0	8
8817	2006	FR	8.5X20_FT	HE TRAILER CLINIC	88	Health	Health Administration	0	_8
8832	2006	bNT	CARGO	HE TRAILER HOMELESS	88	Health	Health Administration	0	8
8840	2008	FR	ORBL716TA2	HE TRAILER SILVER	88	Health	Health Administration	0	8
8843	2006	PC		HE TRAILER HOSPITAL	88	Health	Health Administration	0	8
8847	2008	FR	CN2C612SA3	HE TRAILER PORT SHOWERS	88	Health	Health Administration	0	8
8853	2009	INT	CARGO 1716TA2	HE TRAILER PHP GENERATOR	88	Health	Health Administration	0	8
8801	1980	A8C		PA ELE COVERED TRAILER	88	Parks and Recreation	Park Maintenance	00	8
8802	2003	Drī		PA DITCH WITCH TRAILER	88	Parks and Recreation	Park Maintenance	0	â
8807	2005	DAR	18FT, BY 4FT.	PA EQUIPMENT TRAILER	88	Parks and Recreation	Park Maintenance	0 .	8
8810	1991	SPM	CF14	PA VENDING TRAILER	88	Parks and Recreation	Park Maintenance	0	8
8822	2002	ст		PA 2AXLE COVERED TRAILER	88	Parks and Recrember	Park Maintéria	0	8
8835	2007	INT	COVERED UTILITY	PA COVERED UTILITY TRL	88	Parks and Recreation	Park Maintenance	0	8
8837	2007	HYD	3000 PSI	PA PREASURE WASHER TRL	88	Parks and Recreation	Park Maintenance	0	8
8865	2007	FAB	HD20-10K	PA TRAILER STAGE	88	Parks and Recreation	First Maintenance	0	8
8842	2008	INT	1CC10216TA2	FS TRAILER SILVER	88	Public Works	Fleet Management	0	8
6815	2000	CIR	S\$422	ST SIDEDUMP TRAILER 42"	88 .	Public Works	Street Maintenance	0	8
8833	2007	DAR	8FT TRAILER	ST DARGO TRAILER	88	Public Works	Street Maintenance	0	8
8838	2007	πĸ		ST SIDE DUMP TRAILER	88	Public Works	Street Marrienance	0	8
8845	2008	INT	10C10217TA2	ST TRALER BOOTHS	88	Public Works	Street Maintenance	0_	8
8848	2009	DOO	FŁATBED	ST PORTA POTTY	86	Public Works	Street Maintenance	0	- 8
8849	2007	AME	40000	ST MESSAGE BOARD	88	Public Works	Street Maintenance	0	6
8850	2007	AME	AMUSE	ALEX.	88	Public Works	Street Maintenance	0	- 8
8851_	2007	AME	68	ST MESSAGE BOARD	88	Public Works	Street Maintenance	0	8
8852	2007	AME_	The	ST MESSAGE BOARD	88	Public Works	Street Maintenance	0	8
8858	2009	AME	All	ST MESSAGE BOARD	88	Public Works	Street Maintenance	0	8
8859	2009	AME		ST MESSAGE BOARD	88	Public Works	Street Maintenance	0	6
8860	2009	AME		ST MESSAGE BOARD	88	Public Works	Street Maintenance	0	8
8861	2011	IRN	PAN 2 W	ST PORTA POTTY TRAILER	88	Public Works	Street Maintenance	0	8
8863	2011	AME		ST MESSAGE BOARD	88	Public Works	Street Maintenance	0	8
8846	2009	INT	1CC10216TA2	SM TRAILER MCANDREWS	88	Public Works	Street Maintenance	0	В
8808	1991	SHL		WWTP BOAT TRAILER	88	Sever	Wastewater Plant	0	

Unit #	Model Year	Make	Model	Unit Description	Class	Department	Division	Odometer (miles/hours)	Functional Category
8825	2005	TBL	2 HOPPER BAGGER	SD SAND BAGGER	88	Storm Water Drainage	Maintenance	0	8
8826	2005	WAN	WSLCR5-4MH	SD LIGHT TOWER	88	Storm Water Drainage	Maintenance	0	8
6827	2005	WAN	WSLCR5-4MH	SD LIGHT TOWER	88	Storm Water Drainage	Maintenance	0	. 8
8857	2010	INT	LOAD RUNNER	SD CARGO TRAILER	88	Storm Water Drainage	Maintenance	0	8
8803	2003	ĹΥ		WM BORE MACHINE TRAILER	88	Water	Maintenance	0	6
8809	1991	MNM		WM CONE TRAILER	83	Water	Maintenance	0	8
8820	2001	NA	6700 GALLONS	WM WATER TANK TRAILER	88	Water	Maintenance	0	8
8831	2006_	DAR	10FT TRAILER	WM CARGO TRAILER	88	Water	Maintenance	0	8
8836	2006	TRA	5' X 8' NO GATE	WM CHLORINE TRAILER	88	Water	Maintenance	0	8
8841	2008	INT	1LRD10216TA2	WM TRAILER TRENCH	88	Water	Maintenance	0	8
8938	2003	KRO		HE ATV TRAILER	89	Animal Services	Animal Services	0	8
8947	2009	UNK	CARGO MATE	ALT SENT TRAILER	89	Justice Court	Alternative Sentencing	0	8
6904	1970	нм		PA TRAILER 1AXLE W/RAMP	89	Parks and Recreation	Park Maintenance	0	8
8908	1991	CAC		PA TRAILER WITH RAMP	89	Parks and Recreation	Park Maintenance	0	8
8909	1991	HMD		PA TRAILER	89	Parks and Recreation	Park Maintenance	0	6
8910	1985	NA.	STAGE, MOBIL	PA STAGE TRAILER	89	Parks and Recreation	Park Maintenance	0	8
8918	1995	NA.	·	PA BLEACHER TRAILER	89	Parks and Recreation	Park Maintenance	0	8
8919	1995	A-Z		PA TRAILER	89	Parks and Recreation	Park Maintenance	0	8
8927	2000	JAC	DFT-B-165	PA UTILITY TRAILER	89	Parks and Recreation	Park Maintenance	. 0	8
8929	2000	BUB		PA UTUTY TRAILER	89	Parks and Recreation	Park Maintenance	0	8
8930	2000	BUB		PA UTILITY TRAILER	89	Parks and Recreation	Park Maintenance	0	8
8932	1970	нм		PA UTILITY 2 WHEEL 2 RAMP	1 89	Parks and Recreation	Pari Maintenance	0	THE
8933	1970	нм.		PA TRAILER 2WHEEL W/RAMP	89	Parks and Recreation	Part Maintenance	0	8
8934	1970	НМ		PA UTILITY 2 WHEEL W/RAMP	89	Parks and Recreation	Park Maintenance	0	8
8935	2002	C+B	5'X 8'	PA UTILITY TRAILER W/RAMP	69	Parks and Recreation	Park Maintenance	0	8
8936	2002	C+B	63/10,	PA UTILITY TRAILER W/RAMP	89	Parts and Recreation	Park Maintenance	0	8
8922	1997	TOW	T-12DOT	ST TRAILER	89	Public Works	Street Maintenance	0	8
8923	1998	WLS	EW-122	ST TRAILER	89	Public Works	Street Maintenance		8
8925	1999	BIG	30SV-8 VANGUARD	ST TRAILER	89	Public Works	46.	0	
8926	2000	KAL	KSHRG-35T	ST LOWBOY TRAILER	89	Public Works	Street Maintenance	0	8
8937	2003	ECO	MP122905	ST ECONOLINE TRAILER	89	Public Works	Street Maintenance	0	8
8945	2007	EN	TRAK 6°X10	ST TRAILER BARACADE	89	Public Works	Street Maintenance Street Maintenance		
8946	2007	тк	TK110HDG	ST LOW BOY TRAILER STON	89	Public Works		0	8
8901	2003	w	1000	SO TRAILER : AXLE WIRAMP	89	Storm Water Orainage	Street Maintenance Maintenance	- 0	8
8902	2004		NO.	400	4600	E.		<u> </u>	8
8911	2006	BST	HOLAGET	SO TRAILER 1 AXLE	89	Storm Water Drainage	Maintenance	0	8
		HOL	HOC40KT	SO TRANSPORT TRAILER	89	Storm Water Drainage	Maintenance	. 0	8
8912	2005	HOL	HCC40KT	SD TRANSPORT TRAIL ER	89	Storm Water Drainage	Maintenance	0	8
6913	2005	HOL	HCC40KT	SD TRANSPORT TRAILER	69	Storm Water <u>Oralnage</u>	Maintenance	0	В
8914	2005	HOL	HCC40KT	SD TRANSFORT TRAILER	89	Storm Water Drainage	Mainténance	0	8
8814	1987	NU		WM BOBCAT TRENCH TRAILER	89	Water	Maintenance	0	8

Unit #	Model Year	Make	Model	Unit Description	Class	Department	Division	Odometer (miles/hours)	Functional Category
8921	1997	TOW	T-40	WM TOWMASTER TRAILER	89	Water	Maintenance	0	8
9019	1999	PBM	PBMDTRHYO\$210CH	ST SPRAY RIG	90	Public Works	Street Maintenance	0	8
9025	2010	WAU	WK800 W/CUMMINS	ST SNOW BLOWER	90	Public Works	Street Maintenance	0	8
9016	1976	ШΝ	250 KW	WM WELDER	90	Water	Maintenance	0	8
9115	1999	KRO		BM WATER TRAILER	91	Parks and Recreation	Facilities Maintenance	0	8
9116	1999	KRO		BM WATER TRAILER	91	Parks and Recreation	Facilities Maintenance	0	8
9117	1999	KRO		BM WATER TRAILER	91	Parks and Recreation	Facilities Maintenance	0	8



## APPENDIX D

## FIRE DEPARTMENT METERED AND NON-METERED UNITS

Unil #	Model Year	Make	Model	Unit Description	Class	Department	Division	Odometer (miles/hours)	Functional Category	UWH
5311	1996	GMC	CK1500	FD PICKUP	53	Fire	Operations	81,263	4	L
2221	2006	смс	TAHOE	FD BCTAHOE	21	Pire	Operations	50,357	4	ι
2215	1997	GMC.	CK1500	AMB SURBURBAN	22	Fire	Ambulance	100,290	4	н
2212	2000	FMC	EXPEDITION	FD FORD EXPEDITION	22	Fire	Prevention	77,495	4	н
5520	2000	FMC	F250 XLT	FD_PICKUP_EXTENDED_CAB	55	Fire	Training	32,837	4	Н
2230	2007	GMC	CK1500	FD TAHOE STACY	22	Fine	Administration	28,077	4	H
5514	2002	GMC	2500HD	FD PICKUP 4X4	55	Fine	Operations	47,520	4	н
5517	2008	FMC	SUPER CAB XLT	FD PICKUP SUPER CAB	55	Fire	Prevention	36,655	4	н
2225	2006	GMC	CT15506	FO TRAIL BLAZER	22	Fire	Prevention	20,936	4	н
2224	2007	GMC	SUBURBAN	FD SURBURBAN	22	Fire	Operations	47,919	4	н
2222	2006	GMC	CK1500	FD TAHOE	22	film	Operations	63,183	4	Н
3011	2002	FMC	F366ROADRANGER	AMB AMBULANCE F366	30	Fire	Ambulance	125,134	4	L
3004	2005	FOR	ROAD RESCUE	AMB AMBULANCE	30	Fire	400	121,927	4	L
	2005	FOR	ROAD RESCUE				Ambulance	- 7000	4	L
3003				AMB AMBULANCE	30	Fire	Ambulance	131,083	180a.	60
3016	2012	FMC	F450 XLT AEV	AMB AMBULANCE F450	30	Fire	Ambulance	7,421	4	М
3013	2007	FMC	F363	AMB AMBULANCE	30	Fire	Ambulance	91,558	4	н
3012	2007	FMC	F363	AMB AMBULANCE	30	Fire	Ambulance	95,396	4	the H
3015	2012	FMC	F350	AMB AMBULANCE F350	30	Fire	Amb Ince	25,583	4	N/A
9023	2005	POL	RANGER	FD POLARIS RANGER	35	Fire	Operations.	145	4	L
4202	2012	FMC	E350	FD VAN W/WHEEL CHAIR LIFT	42	Fire	Wheel Chair Program	17,798	4	
4201	201,2	FMC	E350	FD VAN W/WHEEL CHAIR LIFT	42	Fire	Wheel Chair Program	21,371	4	м
4203	2007	GMC	UPLANDER	FD VAN /WHEEL CHAIR RAMP	42	Fire	Wheel Chair Program	44,470	4	н
5528	2008	GMC	SILVERADO	FD PICKUP CREW CAB	55	Fire	Operations	12,819	4	L.
5318	2003	FMC	SUPER CAB XLT	FD FICKUP SUFER CAB	55	Fire	Training	21,607	4	ι
5712	2006	FMC	F350	FD FAST ATTACK PU	57	Fire	Operations	64,701	4	_ н
5707	2000	FMC	F350	FD PICKUP 17ON 4X4	57	Fire	Prevention	220,000	4	_ н
7009	1998	FL	H-1189	FO FERRAHA FIRE TRUCK PUM	70	Fire	Operations	3,687	4	N/A
700B	1996	3D	IMPERIAL T-964	FD PIM FAB FIRE TRUCK PUM	70	Fire	Operations	4,159	4	N/A
7007	1993	ні	Asser	FO FIRE TRUCK PUMPER	70	Fire	Operations	10,951	4	N/A
7010	2002	PRC	QUANTUM	FD FIRE TRUCK PUMPER	70	Pire	Operations	B,497	4	N/A
7011	2007	PRC	QUANTUM TAKA	FD FIRE TRUCK PUMPER	70	Fire	Operations	6,200	4	N/A
7012	2007	PRC	QUANTUM TAK4	FD FIRE TRUCK PUMPER	70	Fire	Operations	5,966	4	N/A
6706	2003	JNT	5600	FD WATER TENDER	71	Fire	Operations	2,012	4	ı.
7105	2000	1HC	4800	FD BRUSH TRUCK 4X4	71	Fire	Operations	1,822	4	L
7107	2002	#HC	480	FD BRUSH TRUCK 4X4	71	Fire	Operations	1,312	4	ι
7106	2001	IHC	4800 4X4	FD EIRUSH TRUCK 4X4	71	Fire	Operations	L,651	4	L
7109	1994	INT	4800	FD BRUSH TRUCK	71	Fire	Operations	4,614	4	M

# MOSS-ADAMSup

Unit #	Model Year	Make	Model	Unit Description	Class	Department	Division	Odometer (miles/hours)	Functional Category	L/M/H
7108	1996	IHC	MASTER 8 113502	FO BRUSH TRUCK	71	Fire	Operations	80,862	4	н
3001	2005	PRC	PIERCE SABER	FD HAZE MAT COMMAND	73	Fire	Operations	598	4	N/A
7300	2004	PRC	T300 ENCORE	FD AIR LIGHT GEN TRUCK	73	fire	Operations	1,373	4	N/A
3000	2004	PRC	SABER	FD RESCUE SQUAD PIERCE	73	fire	Operations	8,496	4	N/A
7303	2004	LDV	MCC24LLS260-03	FD MOBILE COMMAND CENTER	73	Fire	Operations	4,557	4	N/A
ON-MET	ERED									
8854	2009	JNT	VICT610SAFS	FD TRAILER EMER MANAG	88	Fire	Administration	0	4	
8855	2009	INT	VICT610SAFS	FD TRAILER EMER MANAG	88	Fire	Administration	0	4	
8866	2013	со	7X14 COVER W/RA	FD RANGER TRAILER	68	Fire	Operations	0	4	
8834	2007	sc		FIRE SAFETY TRAILER	63	Fire	Prevention	٥	4	
8920	1994	CUT		FD HM TRAILER	89	Fire	Operations	0	4	
8928	1999	NUC	181UHY 7000GVWR	FD TRENCH TRAILER	89	Fire	Operations	0	4	
8931	2000	INT	8X24 FEET	FD CAR HAULER TRAILER	89	Fire	Operations	0	4	
8940	2006	FAB		FD DUMP TRAILER CI	89	Fire	Prevention		4	
8941	2006	FAB		FD DUMP TRAILER C2	89	Fire	Prevention		4	
8942	2006	FAB		FD DUMP TRAILER C3	89	Fire	Prevention	v-y- 0	4	
8944	2007	FAB	PT712	FD DUMPTRAILER C4	89	Fire	Prevention	0	4	



## APPENDIX E

## SHERIFF DEPARTMENT METERED AND NON-METERED UNITS

Unit#	Model Year	Make	Model	Unit Description	Class	Department	Division	Odometer (miles/hours)	Functional Category	∟/м/н
400	1994	нон	ACCORD	SO UNDER COVER CAR	11	Sherriff	Imestigations	129,603	4	L
201	2002	GMC	CAVALIER	SO DARE ADMIN CAVALIER	10	Sheriff	Administration	76,155	4	L
15	2000	FMC	F150	SO DARE PICKUP	52	Sheriff	Administration	131,825	4	L
808	1988	FMC	CROWN VICTORIA	SO CORONER CROWN VIC	13	Sheriff	Investigations	69,495	4	L
700	2007	GMÇ	SUBURBAN	SO LAB SURBURBAN	22	Sheriff	(nvest)gations	16,309	4	ι
5711	2006	GMC	SILVERADO K3500	SO TRANSPORT FOR JAIL	57	Sheriff	<u>Dete</u> ntion	134,150	4	ι
208	2002	GMC	IMPALA	SO ADMIN IMPALA	12	Sherrii	Administration	85,200	4	ι
310	2003	GMC	IMPALA	SO IMPALA PATROL	12	Sheriff	Investigations	82,342	4	м
625	2005	GMC	IMPALA	SO CIVIL IMPALA	12	Sherifl	General Services	53,582	4	В
314	2003	FMC	TAURUS	SO DET TAURUS	11	Sherifi	Investigations	69,679	4	н
212	2002	FMC	TAURUS	SO DET TAURUS	11	Sheriff	Investigations	88,617	4	н
122	2001	<b>GMC</b>	LUMINA	SO LUMINA CIVIL	. 11	Shenft	General Services	78,617	4	н
220	2012	GMC	K1500	SO TAHOE DET	13	Sheriff	Investigations	7,272	4	н
111	2011	GMC	CK1500	SO TAHOE SUV	21	Shenff	Administration	15,753	4	н
800	2008	FMC	FUSION	SO ADMIN FUSION	11	Sheriff	Administration	45,660	4	н
221	2012	GMC	K1500	SO TAHOE DET	13	Sheriff	nvestigations	9,396	4	н
801	2006	FMC	FUSION	SO DETENTION FUSION	11	Sheriff	Detention	30,418	TO THE PARTY OF TH	н
606	2006	FMC	TAURUŞ	\$0 TAURUS DET	11	Shariff	Investigations	70,686	7.00	н
607	2006	FMC	TAURUS	SO TAURUS DET	11	Sheriff	investigations	80,413		н
720	2007	FMC	TAURUS	SO INVEST TAURUS	15	Sheriff	Investigations	43,021	4	н
313	2003	FMC	TAURUS	SO DET TAURUS	11	Sheriff	Investigations	71,367	4	к
500	2005	GMC	CK2500	SO INVEST SURBURBAN	22	Sheriff	investigations	104.368	4	н
2234	1997	FMC	EXPEDITION	SO SØR EXPEDMON	22	Sheriff	Operations	61,600	4	L
5629	2001	FMC	F250	SO PICKUP SEARCH&RESCUE	56	Sheriff	Operations	103,723	4	L
301	1993	JEP	CHEROKEE	SEARCH & RESCUE JEEP	11	Sheriff	Operations	135,202	4	L
202	1992	JEP	CHEROKEE	SEARCH & RESCUE JEEP	11	Sheriff	Operations	147,771	4	L
302	1993	JEP	CHEROKEE	SEARCH AND RESCUE JEEP	20	Sheriff	Operations	145,998	4	L
115	2001	AMC	CHEROKEE	\$0 MP JEEP	13	Sheriff	Operations	87,537	4	н
116	2001	FMC	TAURUS	SO TAURUS	13	Sherriff	Operations	79,883	4	н
807	1998	AMC	CHEROKEE	SO VIP 4X4	22	Shelf	Operations	94,419	4	н
901	1999	DOD	DURANGO	VIP DODGE DURANGO	22	Sheri .	Operations	123,822	4	н
603	2005	GMC	CK2500	SO VIP TAHOE	22	Sheriff	Operations	143,316	4	н
406	2004	GMC	TAHOE	SO PATROL TAHOE	22	Sheriff	Patrol	106,672	4	L
603	2006	GMC	TAHOE	SO PATROL TAHOE	22	Sheriff	Petrol	72,019	4	ι
403	2004	GMC	IMPALA	SO PATROL IMPALA	12	Sheriff	Patrol	102,809	4	L
621	2006	GMC	IMPALA	SII PATROL IMPALA	13	Sheriff	Patrol	42,880	4	L
721	2007	FMC	EXPEDITION XLT	SO EXPEDITION PATROL DOG	22	Sheriff	Patrol	47,950	4	24
817	2008	GMC	MPALA	SO PATHOL IMPALA SLICKTOP	13	Sherrifi	Patrol	45,042	4	
516	2005	GMC	IMPALA	SO JAIL IMPALA	12	Sherifi	Patrol	82,212	4	M

Unit#	Model Year	Make	Model	Unii Description	Class	Department	Division	(wile s/hours)	Functional Category	UWH
617	2005	GMC	IMPALA	SO PATROL IMPALA	12	Sheriff	Patrol	110,396	4	м
627	2006	GMC	IMPALA	SO SUCK TOP IMPALA	13_	Sheriff	Patrol	48 492	4	M
522	2005	GMC	IMPALA	SO PATROL IMPALA	12	Sheriff	Patrol	104.590	4	м
219	2012	ЭМС	K1500	SO TAHOE PATROL	13	Sheriff	Patrol	6,796	4	М
626	2006	<b>GM</b> C	IMPALA	SO PATROL IMPALA	13	Sheriff	Patrol	128,118	4	м
222	2012	вис	IMPALA	SO IMPALA SLICK TOP	13	Sheriff	Patrol	11,035	4	н
812	2008	өмс	CK1500	SO TAHOE PATROL SUV	21	Sheriff	Patrol	69.231	4	н
625	2006	GMC	IMPALA	SO PATROL IMPALA	13	Shenff	Patrol	104,593	4	H
520	2006	<b>GMC</b>	IMPALA	SO PATROL IMPALA	13	Sheriff	Patrol	108,985	4	н
624	2006	GMC	IMPALA	SO PATROL IMPALA	13	Shenfi	Patrol	131,638	4	н
506	2006	GMC	TAHOE	SO DET TAHOE	22	Shenff	Patrol	86,182	4	н
622	2006	GMC	IMPALA	SO PATROL IMPALA	13	Shenif	Patrol	132,742	4	н
623	2006	GMC	IMPALA	SO PATROL IMPALA	13	Sheriff	Patrol	127,150	4	н н
518	2005	GMC	IMPALA	SO PATROL IMPALA	12		Patrol	106,752	4	
				SO TAHOE PATROL SUV		Shenff	1100 11	A STATE OF	4	
813	2008	GMC_	CK1500		21	Sheriff	Patrol	54,957		. H
214	2012	GMC _	K1500	SO TAHOE PATROL	13	Sheriff	Petral	14,814	4	н
815	2008	GMC	IMPALA	SO PATROL IMPALA	13	Shenff	Patrol	94,689	4	н
406	2004	GMC	IMPALA_	SO OPERATIONS IMPALA	12	Sheriff	Petroi	106,585	4	Н
814	2008	GMC	CK1500	SO TAHOE PATROL SUV	21	Sheriff	Patrol	85,679	4	В
604	2006	GMC	<u>CK</u> 1500	SO PATROL TAHOE	13	Sheriff	Patrol	127.824	-	R
	2010	GMC	CK1500	SO TAHOE PATROL SUV	21	Sheriff	Patrol	41,986	4	н
722	2007	FMC	EXPEDITION XLT	SO EXPEDITION PATROL DOG	22	Sherriff .	Patrol	104,906	4	Н
501	2005	GMC	CK2500	SO PATROL TAHOS	22	Sheriff	Patrol	143,677	4	GIO.
502	2005	GMC	CK2600	SO PATROL TAHOE DOG	22	Sheriff	Patril	149,232	4	
218	2012	GMC	K1500	SO TAHOE PATROL	13	Sheriff	Pattel	23,312	4	н
216	2012	GMC	K1500	SO TAHOE PATROL	13	Sheriff	Patrol	22.502	4	н
217	2012	GMC	K1500	SO TAHOE PATROL	13	Sheriff	Patrol	23,751	4	_н
616	2008	GMC	IMPALA	SO PATROL IMPALA	13	Sheriff	Patrol	83,658	4	н
611	2006	HD	FUHTPI	SO HARLEY DAVIDSON MC	35	Sheriff	Motor Patrol	30,201	4	_ м
612	2006	DН	FUKTPI	SO HARLEY DAVIDSON MC	35	Sheriff	Matter Patrol	24,590	4	м
613	2006	HD	FLHTPI	SO HARLEY DAVIDSON MC	35	Sheriff	Motor Patrol	21,761	4	м
614	2005	но	FLHTPI	SO HARLEY DAVIDSON MC	35	Sheriff	- Motor Patrol	32.081	4	н
615	2006	HO	FUHTPI	SO HARLEY DAVIDSON MC	35	Sheriff	Motor Patrol	40,551	4	R
618	2006	но	FLHIP	SO HARLEY DAVIDSON MC	35	Sheriff	Motor Patrol	39,398	4	н
315	2013	КТМ	500 HOW	SOKTM	35	Sheriff	Operations	13	4	N/A
531	2005	POL	RANGER	SO POLARIS RANGER	35	Sheriff	Operations	286	4	N/A
532	2005	POL	RANGER	SO POLARIS RANGER	35	Sheriff	Operations	86,185	4	N/A
410	2004	GMC	GRAND PRIX	TRINET GRAND PRIX	13	Sheriff	Trinel Grant	129,646	4	N/A
213	2002	DOD	DAKOTA	TRINET DAKOTA	51	Sheriff	Trinel Grant	115,857	4	N/A
401	1964	GMC	4	SO PARADE CAR ADMIN	13	Sheriff	Administration	291	4	NVA
101	1991	IHC		SO SORT VAN INT. (armored truck)	90	Sheriff	Operations	76,818	4	N/A
ON-WEL				TATE (MINIOTON SACK)	<u> </u>	21,6101	Opt. 480/10	15,910		
		EIE		SO TRAISED OCTUBE	_	Sh4#	In. and anti			
8813	2005	FLE		SO TRALER OFFICE:	89	Sheriff	Investigations	· -	4	_

Unit #	Model Year	Make	Model	Unit Description	Class	Oepartment	Division	Odometer (miles/hours)	Functional Catagory	ыми
8824	2005	ŻΕ	F-815	SO ZIEMAN ATV TRAILER	88	Shenff	Operations	0	4	
8856	2000	FTH	8550-7621	SO HORSE TRAILER	88	Sheriff	Operations	0	4	
8864	2012	PSC		SO MRU SPEED MONITOR	88	Shenff	Operations	0	4	
8805	2004	FTH		SO SWAT TRAILER	88	Sherriff	Operations	0	4	
8943	2007	INT	16 FT CARGO	SO CARGO TRAILER	89	Sherdf	Operations	D	4	
89Q5	1993	EXC		SO RANGE TRAILER	89	Shenff	Operations	D	4	
8906	2005	INT	5FT ×16FT	SO TRAILER EQUIPMENT	89	Shanff	Operations	0	4	



## APPENDIX F

## PERMANENTLY ASSIGNED TAKE-HOME UNITS AND STANDBY UNITS

## Excluding Police and Fire

#### PERMANENTLY ASSIGNED TAKE-HOME UNITS

tair#	Model Year	Make	blodei	Unic Description	Cles	Department	Division	Odometer (miles/hours)	Functional Category	Duly Commuter Mileago To/From Work Sile (one	Frequency of Callouts/Month	L/AFH
2209	2005	вис	CY15506	DA BLAZER	27	District Attorney	District Attemey	61,620	1	10	0	м
5502	2006	GMC	SILVERADO	LF PICKUP ALLEN	55	Mealth	Landfill Administration	61,145	2	23.0	2	н
2202	2002	GMC	K1500	LF TAHOE COOLEY	22	Health	Landill Administration	97,106	2	4.0	5	н
2231	2007	GMC	CK1500	WM TANGE SCHULZ	22	Water	Maintenance	62,428	2	4.5	5	я
5123	2001	GMC	SOHOMA 3DR	ACPU WISHELL TONY BAXER	51	Animal Services	Animal Sentes	70,229	2	4.0	7	м
5504	2006	FMC	F250	AC TRANSPORT PICKUP	55	Animal Services	Animat Services	76,459	2	1.5	7	н
6519	2008	FMC	SUPER DUTY XLT	AC PICKUP STANDARO CAB	5\$	Animal Services	Animal Services	60,482	2	1/0	7	н
5526	2003	FMC	F250 XLT	SM PU EXTENDED CAS ROYAL	55	Sawer	Maintenance	39,533	2	2.0	e	н
5527	2008	FMC	F250 XLT	ST PU EXTENDED CAB JUSTIN	55	Public Works	Street Maintenance	49,495	2	22	6	н
2204	2004	GMC	TAHOE	WM TAHOE RITS	22	Water	Maintenance	62,854	2	2.0	12	L
5518	2008	FMC	SUPER DUTY XLT	ST PICKUP CREW CAB RICKS	56	Public Works	Fleet Maintenance	85,455	2	15	12	н
5708	2008	FMC	F350 XLT	WM PICKUP CREWCAB NICKS	57	Water	Maintenance	84,296	2	4.0	14	н
6523	2008	FMC	F250 XLT	WM PICKUP EXTICAS BRANDON	55	Water	Maintenance	40,409	2	4.0	15	м
2232	2008	GMC	CK1500	STITANOE CURTIS	22	Public Works	Street Maintana	67.293	2	1.3	18	н

#### STANDBY TAKE-HOME UNITS

Usi(#	Modei Year	blake	Model	Unit Description	Chass	Department	Division	Oderactor (mites/kours)	Functional Category	Daily Commuter Mileage To/From Work Site (one very)	Programmy of Callouts/Month	LAWH
5116	1999	CHR	ANSLE1	WWTP PICKUP ON CALL	51	Sower	Maintenance	66,580	2	10.0	2	м
5323	2007	FMC	ж,т	WM PICKUP KELLYS HALE	53	Water	Maintenance	46,746	. 2	5.0	2	н
6600	2004	FMC	AT37G 772890757	ST SKINAL BUCKET THUCK	00	Public Works	Street Maintenance	52,004	5	25.0	3	н
6605	2001	FM¢	ARM LIFT BUCKET	ST SIGNAL BUCKET THUCK	×, 685	Public Works	Street Maintenence	121,321	\ <b>∕</b> 5≳	14.6	2	н
5709	2010	FMC	F350	FS PICKUP TOWN	57	Public Works	Floet Management	14,720	2	2.0	3	м
5321	3002	FMC	F150	WWTP PICKUP 4X4	53	Sover	Wastewater Plant .	37,080	2	10.0	3	м_
505	2005	GMC	CK2500	ALT SENT TAHOE	22	Justice Count	Alternative Santencing	. 96,049	2	3.0	5	н
409	2004	<b>GMC</b>	TAHOE	ALT SENTENCING TAHOS	22	Auritica Court	Alternative Sentencin	108,594	2	3.0	5	н
550B	2000	<b>GMC</b>	CK2500 :	WWITP PICKUP 418 KOTSULL	55	Spwer	Wastewater Plant	68,878	2	3.5	Б	н
6106	2008	FMC	F350 Xt	WHITE PU EXTENDED CAS UTIL	161	Sover	Wastewater Plant	27,273	2	10.0	6	н
5705	2001	GMC	SILVERADO KOSOO	WM UT 4X4 PU JAY ALLISON	10	Water	Maintenance	55,600	2	15.0	- 6	н
5706	2002	G/4C	SILVERADO K3500	FS PICKUP 4X4	57	Public Works	Ficet Management	33,361	2	5.0	10	
5309	1965	FMC	F150	ST SIGNAL MAINT PICKUP	53	Public Works	Street Maintenance	69.117	2	2.0	12	L
5525	2008	FMC	F250 XLT	EC PU EXTORE MARK IRWIN	55	Health	Lancii Administration	35.038	2	6.0	0-4	н

## STANDBY UNITS

Uait #	Model Year	Ylake	Model	Unit Description.	Cles	Department	Division	Odometer (milm/hours)	Panetronal Category	Daily Commuter Mileage To/Fram Work Sile (one way)	Frequency of Callopts/Morah	나자하
5112	1998	GMC	SONOMA	LF PICKUP	51	Realth	Candill Administration	74,534	2	N/A	AVA	ι
2223	2006	GMC	CT15506	6S BLAZER	22	Community Development	Building & Safety	51,363	,	N/A	N/A	L
2213	2005	GMC	CT15506	BS TRAIL BLAZER	22	Community Development	Burkling & Safety	43,199	,	N/A	NA	н
2207	2006	GMC	TRAIL BLAZER LS	PA BLAZER PARK RANGER	20	Parks and Recreation	Park Maintenance	120,883	2	N/A	N/A	я



## APPENDIX G

## FLEET SERVICES POOL UNITS

Unit #	Model Year	Make	Model	Unit Description	Class	Department	Division	Odometer (miles/hours)	Functional Category	L/M/H
5104	1990	GMC	S-15	AC PICKUP	51	Public Works	Fleet Management	97,887	1	L
1101	2004	GMC	MAUBU	WALIBU	11	Public Works	Fleet Management	52,241	1	м
1229	2006	GMC .	IMPALA	FS IMPALA @ CITY HALL	12	Public Works	Fleet Management	55,910	1	н
2211	1998	GMC	8LAZER	WATER WATCH BLAZER	22	Public Works	Fleet Management	62,990	1	н



#### APPENDIX H

## **BREAKEVEN POINT ANALYSIS**

# COMPARISON: CITY ASSIGNED VEHICLE VERSUS PERSONAL MILEAGE REIMBURSEMENT

Miles per Month	City Assigned Vehicle-Ford Fusion Ownership and Operational Costs*	Cost to Reimburse For Use of Personal Car at \$0.565/mile
100	\$129.42	\$56.50
200	\$167.62	\$113.00
247	\$185.57	\$139.56
300	\$205.82	\$169.50
400	\$244.02	\$226.00
499	\$281.83	\$281.94
500	\$282.22	\$282.50
600	\$320.42	\$339.00
700	\$358.62	\$395.50

Figures in BLUE reflect the average monthly miles traveled by Carson administrative vehicles and their corresponding costs.

Figures in RED reflect breakeven miles at which reimbursement costs begin to exceed Carson's costs.

#### CARSON COSTS\*

VICES .
\$18,243
(\$1,824)
\$16,419
180
\$91
\$0.382

#### APPENDIX I

#### DAILY COST COMPARISON

## POOL VEHICLE VERSUS MILEAGE REIMBURSEMENT VERSUS RENTAL (Exhibit 1)

Roundtrip Miles Traveled Daily	City Pool Vehicle-Chevrolet Impala Ownership and Operational Costs*	Cost to Reimburse For Use of Personal Car at \$0.565/mile	Enterprise Daily Rental Costs For Full Size Sedan (includes fuel)	
5	\$4.37	\$2.83	\$35.01	
10	\$5.44	\$5.65	\$35.71	
20	\$7.58	\$11.30	\$37.11	
30	\$9.72	\$16.95	\$38.51	
40	\$11.86	\$22.60	\$39.91	
50	\$14.00	\$28.25	\$41.31	
100	\$24.70	\$56.50	\$48.31	
200	\$46.10	\$113.00	\$62.31	
300	\$67.50	\$169.50	\$76.31	
400	\$88.90	\$226:00	\$90.31	
419	<b>\$92</b> .97	\$236.74	\$92.97	
500	\$110.30	\$282.50	\$104.31	

Figures in BLUE reflect mileage point in which reimbursement costs begin to exceed Carson pool costs. Figures in RED reflect mileage point at which Carson pool costs begin to exceed cost of renting a vehicle.

#### CARSON COSTS\* (Exhibit 2)

Ownership Costs		
Cost of 2006 Chevrolet Impala		\$14,982
Less Salvage Value (10%)	46 49	(\$1,498)
Total		\$13,484
Divide by Life of Vehicle (Month	s)	180
Ownership Cost/Month		\$75
Ownership Cost/Day		\$3.30
Operational Costs (Maintena	ince, Repair, and Fuel)	
Maintenance & Repairs	Cost Per Mile	\$0.074
Fuel	Cost per mile	\$0.140
Total Cost Per Mile for Maintena	\$0.214	

APPENDIX J

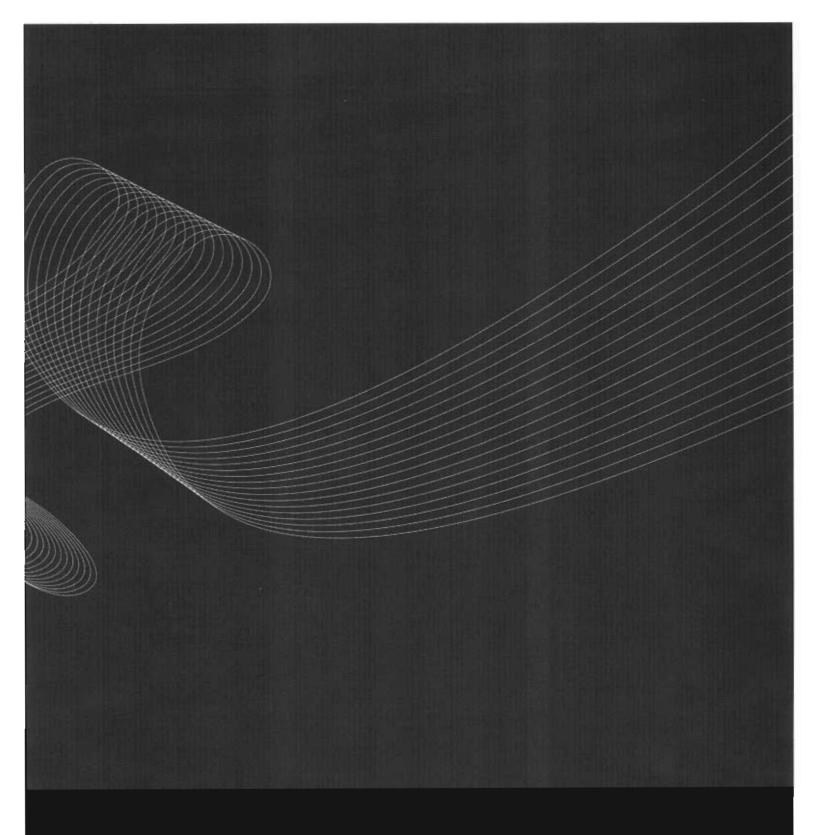
## VEHICLE AND EQUIPMENT REDUCTION RECOMMENDATIONS

No.	Department	Division	Unit Numb er	Description	Disposition
1	PUBLIC WORKS	FLEET SERVICES	5125	PICKUP	Re-assign to Shop Loaner Pool
2	PUBLIC WORKS	STREET MAINTENANCE	5321	SUV	Re-assign to Shop Loaner Pool
3	PUBLIC WORKS	STREET MAINTENANCE	2208	SUV	Re-assign to Shop Loaner Pool
4	HEALTH	HEALTH ADMIN	5512	PICKUP	Re-assign to Shop Loaner Pool
5	PARKS & REC	PARKS	5104	PICKUP	Re-assign to Shop Loaner Pool
6	COMM DEVELOP	BUILDING & SAFETY	2213	SUV	Re-assign to City Hall Central Pool
7	COMM DEVELOP	BUILDING & SAFETY	2223	suv	Re-assign to City Hall Central Pool
8	PARKS & REC	FACILITIES MAINT	5322	PICKUP	Re-assign to City Hall Central Pool
9	ASSESSOR		1107	SEDAN	Re-assign to City Hall Central Pool
10	PUBLIC WORKS	STREET MAINTENANCE	6016	FLATBED TRUCK	Re-assign to Heavy Equipment Pool
11	WATER	MAINTENANCE	8501	AIR COMPRESSOR	Re-assign to Heavy Equipment Pool
12	WATER	MAINTENANCE	8113	BACKHOE	Re-assign to Heavy Equipment Pool
13	PARKS & REC	PARK MAINTENANCE	6424	DUMP TRUCK/PLOW	Re-assign to Heavy Equipment Pool
14	PARKS & REC	PARK MAINTENANCE	7801	LOADER	Re-assign to Heavy Equipment Pool
15	PARKS & REC	PARK MAINTENANCE	8110	BACKHOE	Surplus
16	PARKS & REC	PARK MAINTENANCE	7702	LOADER	Surplus
17	PARKS & REC	PARK MAINTENANCE	9009	BRUSH CHIPPER	Surplus
18	PARKS & REC	PARK MAINTENANCE	8606	FORKLIFT	Surplus
19	PARKS & REC	PARK MAINTENANCE	7708	TRACTOR	Surplus
20	PARKS & REC	PARK MAINTENANCE	7704	TRACTOR	Surplus
21	ANIMAL SERVICES	ANIMAL SERVICES	8938	ATV TRAILER	Surplus
22	PUBLIC WORKS	STREET MAINTENANCE	5120	PICKUP	Surplus
23	DISTRICT ATTORNEY	DISTRICT ATTORNEY	1228	SEDAN	Surplus
24	HEALTH	HEALTH ADMIN	9021	ATV	Surplus
25	HEALTH	LANDFILL	5112	PICKUP	Surplus
26	WATER	MAINTENANCE	8816	TRAILER MOUNTED VACUUM	Surplus
27	STORM WATER DRAINAGE	MAINTENANCE	4206	VAN	Surplus

#### City Comments:

- Item #8, vehicle needs to remain assigned to the Facilities Maintenance Supervisor
- Item #13, vehicle needs to remain assigned to Park Maintenance for projects and snow removal
- Item #14, equipment needs to remain assigned to Park Maintenance for special projects and use at the fairgrounds
- Item #15, equipment needs to remain assigned to Park Maintenance to load trucks in the Corporate Yard and for off-site projects
- Item #16, equipment needs to remain assigned to Park Maintenance to load trucks in the Corporate Yard and for special projects
- Item #17, should go to equipment pool
- Item #18, equipment needs to remain assigned to Park Maintenance for daily operational needs
- Item #19, equipment needs to remain assigned to Park Maintenance for repair and maintenance projects
- Item #20, equipment needs to remain assigned to Park Maintenance for use at the fairgrounds when the other tractor is being used for special projects





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