# **Report to the 2012 Hawai'i State Legislature**

# Lead By Example State of Hawai'i Agencies' Energy Initiatives FY 2010-2011



State of Hawai'i Department of Business, Economic Development & Tourism January 2012

This report and the original agency submissions in accordance with Section 93-16, Hawai'i Revised Statutes.

http://energy.hawaii.gov/programs/achieving-efficiency/lead-by-example

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#### **EXECUTIVE SUMMARY**

The Lead By Example (LBE) initiative began in 2006 in response to legislative and executive mandates to make government buildings, fleets, and personnel practices leaders in energy efficiency and conservation. These efforts acknowledge the high cost of electricity in Hawai'i; the energy security benefits of implementing alternative fuel use; and the many opportunities for increasing energy efficiency in new and existing state offices, facilities and schools. The legislation also required incorporating environmentally preferable purchasing into state operations. Fully implemented, the LBE initiative represents an important step in achieving long-term economic and environmental benefits for the state.

This report addresses State agency activity during the fiscal year 2010-2011. In September 2010, four years after initiating LBE, the American Council for an Energy-Efficient Economy (ACEEE) nationally announced our LBE Program as part of their "18 State-Led Energy Efficiency Programs Recognized As Best In U.S." and that Hawai'i was one of four states in the "Five Top Energy-Efficiency Award Winning Programs." The State's LBE Program also was recognized by the Energy Services Coalition (ESC), a national organization supporting performance contracting, for our work on performance contracting.

During FY11 state agencies' energy consumption increased minimally by 0.6% above FY10 levels, but the state paid 17.1 %, more than FY10. When comparing FY11 figures against the 2005 baseline year, energy consumption dropped 4.6%, but, due to the increasing cost for electricity, costs rose 62.3%.

Year-to-year figures from the beginning of LBE are as follows:

- FY05-FY06: consumption increased 2.4% (16M kWh), costs increased 24% (\$25M)
- FY06-FY07: consumption increased 1.1% (8M kWh), costs increased 3.1% (\$4M)
- FY07-FY08: consumption decreased 0.1% (-1M kWh), costs increased 21.8% (\$30M)
- FY08-FY09: consumption decreased 5.7% (-40M kWh), costs increased 1.2% (\$2M)
- FY09-FY10: consumption decreased 2.8% (-18M kWh), costs decreased 12.1% (-\$20M)
- FY10-FY11: consumption increased 0.6% (2M kWh), costs increased 17.2% (\$25M)

Overall, from baseline year 2005:

• FY05-FY11: consumption decreased 4.6% (-31M kWh), costs increased 62.3% (\$65M)

As seen above, the slight consumption increase in FY11 ended the downward trend of the previous three years. It should be noted that a number of new projects came on-line in FY11, contributing to nearly half of the rise in overall consumption. New buildings and the energy costs associated with this growth highlight the importance of energy efficiency and renewable energy development. A primary objective of Lead By Example is to protect the state against escalating energy costs and to expedite energy security to protect Hawai'i and our economy against the volatility of world oil markets.

Over the years, costs closely have mirrored the rise and fall in the price of oil and electricity and FY11 demonstrated the extent to which price hikes negatively affect our economy. While electricity consumption increased by just over half a percent from FY10, state agencies paid \$25M more than in FY10, a 17.2% increase. Comparisons to the baseline year illustrate the challenge state agencies still face and highlight the importance of continued efforts to pursue energy efficiency and renewable energy opportunities.

State of Hawai'i executive branch agencies have led by example and were active during fiscal year 2011 with several energy conservation and renewable energy generation projects. Retrofitting existing buildings for energy efficiency and modifying operations strategies were the primary contributors to reducing electrical consumption and cost, but progress also was made in green building design, environmentally preferable purchasing, transportation and the adoption of renewable energy. Some highlights follow.

### Efficiency

- The Department of Accounting and General Services (DAGS) completed construction for a \$33.4 M Phase I energy savings performance contract (ESPC) for ten (10) buildings in the Capitol District. DAGS also executed a contract for a Phase II ESPC, which will cover an additional 33 buildings.
- The Department of Transportation (DOT) issued an RFP for an ESPC covering fifteen (15) airports, five (5) harbors, and highways facilities.
- The University of Hawai'i Community Colleges (UH-CC) have all started construction for a performance contract that will implement major energy conservation measures in their portfolio of buildings. Estimated savings are 18M kWh and \$4.5M annually over the 20-year contract.
- The Department of Public Safety (PSD) recently entered a Guaranteed Energy Savings Agreement for the O'ahu Community Correctional Center and the Halawa Correctional Facility, which will retro commission a number of energy-savings measures at these facilities that will result in annual energy savings of nearly \$2 million over the next twenty years.

# **Energy Savings Performance Contracting**

The Energy Services Coalition, a national nonprofit organization dedicated to supporting performance contracting, recognized the State of Hawai'i as first in the nation in Energy Savings Performance Contracting (ESPC) for State Building Efficiency. To date, over \$159 million has been invested in both State and County ESPCs with cost savings expected to grow to more than \$328 million over the 20-year life of the contracts. DBEDT has provided technical assistance to agencies for projects dating back to 1996.

- The Department of Hawai'ian Homelands (DHHL) has completed a number of large energy-efficient residential development projects. The 403-unit Kanehili Subdivision in East Kapolei is still under construction, with approximately 276 families moved in. Ka'ūpuni Village, DHHL's Leadership in Energy and Environmental Design (LEED) Platinum subdivision, completed construction in March 2011, which consists of 19 affordable, net zero energy homes in Wai'anae, O'ahu. The 19 families moved in on May 2011. The Kumuhau Subdivision, which 33 of 45 native Hawai'ian families have moved in, is a LEED Silver project that will contain notable green features, which are standard in all homes.
- The Hawai'i Health Systems Corporation (HHSC) has incorporated co-generation plants to offset electrical and heating cost for the Samuel Mahelona Memorial Hospital and West Kaua'i Medical Center facilities.
- DOT Airports Division (DOT-Air) replaced the Diamond Head Chiller Plant and the Oversea Chiller Plant project is under construction, which will contain new energyefficient equipment. At Honolulu International Airport, there is an Energy Monitoring and Control System to turn off lights in areas that are not in use and reduce or eliminate air conditioning in these same areas.
- 19 O'ahu Facilities were benchmarked by DAGS and eight (8) facilities were certified and received an ENERGY STAR® Plaque.
- UH Mānoa completed a full benchmarking using ENERGY STAR® Portfolio Manager of all campus buildings over 5,000 square feet or that use more than 8,000 kWh annually.
- The Department of Education (DOE), in partnership with the University of Hawai'i, College of Tropical Agriculture and Human

# ENERGY STAR® Benchmarking

Benchmarking is a process which involves calculating the building's annual energy consumption per square foot, allowing buildings to be compared and identifying areas for improving energy efficiency. To date, 172 state facilities have been benchmarked using the ENERGY STAR® Portfolio Manager online tool.

If a building receives a score of 75 or higher, it indicates that the building is in the top 25% of similar buildings nationally and can be certified as an ENERGY STAR® building. To date, 18 state buildings have received the ENERGY STAR®.

# ENERGY STAR® Certified State Buildings

- AAFES Building\*
- Abner Paki Hale Courthouse
- Ala Moana Health Center
- Diamond Head Health Center
- Hilo State Office Building
- Ho'opono\*
- Kakuhihewa Building (Kapolei State Building)\*
- Kāne'ohe Elementary School
- Kāne'ohe Civic Center\*
- Ke'elikolani Building
- Keoni Ana Building\*
- King Kalākaua Building\*
- Leeward Health Center
- Leiopapa A Kamehameha Building (State Office Tower)\*
- OR&L Main\*
- State Capitol Building
- Wahiawā Civic Center\*
- Waipahu Civic Center\*

\*Received ENERGY STAR® certification in multiple years

Resources (CTAHR), was awarded an Environmental Protection Agency (EPA) Grant that will focus on best practices for school landscape management as a pilot study for three (3) DOE schools on O'ahu. During the 18 month grant, irrigation water benchmarking will be included, along with a sample food waste audit.

- The Hawai'i Housing Finance and Development Corporation (HHFDC) installed a new Heating, Ventilation, and Air Conditioning (HVAC) plant during renovations at Kamake'e Vista that is equipped with a heat recovery system to heat hot water for the laundry facility that accommodates the two hundred twenty six (226) residential units.
- A total of 53 workshops and other events relating to LBE topics were held in FY11, attracting at least 5,344 participants, including many from state agencies. In some cases, the Department of Business, Economic Development, and Tourism (DBEDT) provided funds so that other agencies' staff members could attend the training.

# Capitalizing on Energy Efficiency Incentives

State agencies have received more than \$6.05 million in efficiency rebates since 1996 from the Hawai'ian Electric Company (HECO) and its subsidiaries and from Hawai'i Energy. These rebates combined have resulted in estimated cumulative dollar savings of over \$128 million and electricity savings of 619 million kilowatt-hours. Over the life of the equipment, the savings will be equivalent to approximately 148,000 households' annual electricity use. In FY11 state agencies received \$733,349 in rebates, the highest rebate total of any year.

- DBEDT was awarded U.S. EPA Pollution Prevention (P2) funding to establish a green workforce development program that will expand DBEDT's existing Hawai'i Green Business Program and Lead By Example Resource Conservation Program, two programs designed to help businesses and government agencies green their operations through the reduction of energy, water, and resource consumption.
- The Attorney General (AG) along with Department of Tax (DoTAX) and Department of Labor and Industrial Relations (DLIR) hosted a recycling event, Aloha 'Aina Earth Day, to dispose of broken furniture and recycling materials at no cost to the State.

#### Renewable Energy

- University of Hawai'i (UH) campuses have installed or are actively installing several solar PV projects with a combined capacity of 761 kW, and the UH Mānoa campus is currently in the design phase to install an additional 5 MW of PV in FY2012. Additionally, UH Maui College has installed a 1.2 kW wind turbine system.
- DAGS is currently working on a number of photovoltaic system projects including a 100 kW PV system at the DAGS Central Services Division baseyard in Mapunapuna and at four state buildings in Honolulu. A project at the No. 1 Capitol Building will

be installing an innovative use of PV cells into a glass art canopy as part of the Courtyard renovation.

- DAGS installed a 236 kilowatt (kW) PV system for the Kalanimoku Building located in the Capitol District.
- The Hawai'i State Public Library System (HSPLS), working with DAGS, is constructing or has completed construction of six photovoltaic system projects at six public libraries.
- The Department of Agriculture (DOA) is working on three renewable energy projects; the Moloka'i and Waimea hydropower projects and a project for the installation of a photovoltaic system at a livestock slaughterhouse on O'ahu.

# DOT-Airports Power Purchase Agreement

DOT-Airports signed a 20-year power purchase agreement in 2009 for a total of seven (7) photovoltaic systems totaling 901 kW of capacity.

Through a second round of power purchase agreements in 2011, DOT-Airports awarded development of photovoltaic renewable energy generation systems at 15 sites. Seven (7) power purchase agreements have been signed for a total capacity of 606 kW. The remaining eight (8) are pending, but are planned for an additional 2.69 MW.

- DHHL will start construction soon on the largest Micro-scaled Concentrating Solar Power project in the State of Hawai'i. The Kalaeloa Solar One project will produce 5 MW of renewable energy for the island of O'ahu.
- DOT Airports Division has been working with Highway, Harbors, Foreign Trade Zone and UH to contract a Power Purchase Agreement (PPA) of Photovoltaic systems over existing facilities. The awarded PPA locations in Design phase include Lāna'i Airport, Kona International Airport, Waimea Kohala Airport, and other facilities.

# **Transportation**

# **Electric Vehicles**

The State of Hawai'i has started to adopt electric vehicles (EVs) into the state fleet. Through the EV Ready Program, funds were allocated to DAGS for the purchase of six (6) EVs for the state motor pool and for charging stations. DBEDT and NELHA also have EVs.

Under the EV Ready Program, three (3) private charging stations and two (2) public charging stations were installed.

- State vehicles are already utilizing E-10 Unleaded gasoline which contains 10% ethanol. State law requires its sale. Many state vehicles are also flexible-fuel capable, and can use a higher percentage of ethanol.
- DAGS added six (6) electric vehicles to the motor pool fleet.
- Windward CC recently purchased two flexible fuel sedans and one cargo van replacing older vehicles that were not as energy efficient.

• UH Mānoa initiated a fleet replacement program employing EPA grants to replace four of its heavy trucks with new clean diesel trucks which are bio-diesel compatible. UH Mānoa also initiated an electric vehicle replacement program for older Internal Combustion Engine (ICE) vehicles replacing three ICE vehicles with EVs.

#### **Purchasing Practices**

- Most departments already use life-cycle cost analyses, purchase efficient equipment such as those with the ENERGY STAR® label, and take advantage of utility rebates.
- The State Procurement Office (SPO) continues to provide price and vendor listings which include ENERGY STAR®, recycled, or environmentally preferred products.
- Information on recycled and environmentally preferable products (EPP) has been prepared by DBEDT. Lead By Example, in partnership with the SPO, also has hosted trainings on EPP that are available to state employees.
- UH Mānoa has a dining and food service recycling and bio-based program, with over 80% of all paper goods used by UH Mānoa Buildings Services coming from recycle paper products.

# High Efficiency Appliances for HHFDC Properties

HHFDC requires that all appliances installed in residential apartments have the highest ENERGY STAR® rating possible. This stipulation also has been placed in laundry vendor contracts since all power used is a direct operating expense.

• An annual survey designed to track the environmentally preferable purchasing practices of state agencies is coordinated by the Department of Health's Office of Solid Waste Management. The results show that state agency EPP in 2010 lead to greenhouse gas (GHG) savings equivalent to removing approximately 93 passenger vehicles from roadways for one year and energy savings equal to conserving about 17,188 gallons of gasoline in a year.

#### Leadership in Energy and Environmental Design (LEED)

Hawai'i remains a member of the U.S. Green Buildings Council (USGBC), the non-profit entity which administers the LEED program. DAGS is developing LEED application guidelines to be used by state agencies. There are currently 30 LEED Accredited Professionals on staff at five state agencies; DAGS, DBEDT, DOE, DOT and UH. Others are in training for this goal. DBEDT continues to offer LEED training opportunities for state agency staff.

# State of Hawai'i LEED Certified Buildings

Six years ago, there was only one LEED Accredited Professional (AP) working for the state. Now, there are 30 LEED APs and the state requires all new construction and major renovation to meet LEED Silver standards.

To date, ten state facilities have been certified as meeting LEED standards or have been completed and are awaiting certification by USGBC:

### **LEED** Platinum

• Natural Energy Laboratory of Hawai'i Authority Gateway Energy Center

### LEED Gold

- UH Hilo Student Life Complex
- UH Mānoa Center for Microbial Oceanography Research and Education
- North Kohala Public Library

# **LEED Silver**

- Frear Hall Residence Housing
- 'Ewa Makai Middle School
- Honolulu International Airport Lounge for LEED-Commercial Interiors

# **LEED** Certified

- Waipahu Intermediate School Cafeteria
- UH Hilo 'Imiloa Astronomy Center of Hawai'i
- UH-Mānoa John A. Burns School of Medicine

A significant number of additional buildings which are anticipated to meet LEED Silver standards or better are either being planned or are in the design phase. The following state facilities are currently under construction or construction bids have been awarded, and are expected to be rated by LEED:

- Mānoa Public Library (Silver)
- UH Hilo Sciences and Technology Center (Silver)
- UH Hilo Hawai'ian Language Building (Silver)
- UH Hilo Student Services Building (Silver)
- UH West O'ahu New Campus Development (Silver)
- UH Mānoa Campus Center (Silver)
- UH Mānoa Cancer Research Center of Hawai'i (Gold)
- Maui Community College Science Facility (Silver)
- Windward Community College Library and Learning Center (Silver)
- Hawai'i Community College Hale Aloha (Silver)
- Keaukaha Military Reservation (Silver)
- Baldwin High School Library (Silver)

DBEDT in coordination with DAGS and a number of other departments with offices in the Leiopapa A. Kamehameha Building (State Office Tower) are working to achieve LEED Silver or Gold certification for the building under the LEED for Existing Buildings: Operations and Maintenance (LEED EBOM) program, which implements green strategies, technologies, and operations in existing buildings. If certified, the project would be the first LEED EBOM project for a state facility and the second overall LEED EBOM project in the state.

#### LEAD BY EXAMPLE: STATE OF HAWAI'I EXECUTIVE AGENCIES' ACHIEVEMENT IN ENERGY

This report responds to legislative and executive mandates issued in 2006, which require state agencies to implement a variety of energy programs now known as the Lead By Example (LBE) initiative. A number of requirements were established by Act 96, SLH 2006, Part III, which reflects Administrative Directive 06-01, issued on January 20, 2006. Act 96 directs state agencies to improve energy, water and resource efficiency in state facilities, increase fuel efficiency, and use alternative fuels in state vehicles with the goal of stimulating growth today that will rebuild the local economy and realize savings far into the future.

In addition, we are continuing with the requirements of Act 160, Section 168.5, SLH 2006, to report state agencies' electricity consumption, the steps taken to reduce energy use, and their plans for future reductions. Although not mandated by law, the costs of purchasing utility electricity also have been compiled.

This LBE report provides data on electricity use and costs, as well as highlights of state agencies' energy activities under the LBE initiative. Executive agencies were invited to submit reports containing information required by law; these reports have been consolidated by the Department of Business, Economic Development, and Tourism (DBEDT). The consolidated reports are attached and list all agencies' actions.

The LBE effort was kicked off at a meeting of all cabinet members, convened by DBEDT, on May 11, 2006. Since that initial meeting, agencies developed a framework for planning, implementing and reporting energy efficiency activities. State agency personnel have been trained and received technical assistance as needed. The agencies have set energy-savings targets and are developing tools which will enable their goals to be reached.

Agency representatives formed a Lead By Example Leadership Group to coordinate these actions, supported by three Working Groups. These Working Groups address Buildings, Transportation, and Environmental Practices and Procurement. Each Working Group develops plans and recommendations to be reviewed by the Leadership Group, which is composed of high-level representatives of executive departments and the University of Hawai'i. The Leadership Group members have the authority to ensure efficient communication and the commitment to develop effective policies and plans for each department.

#### The LBE Initiative

Fiscal year 2011, the sixth year of the Lead By Example initiative, was impacted by the ongoing economic recovery, limited state budget, and steadily rising world oil prices. Combined, these factors highlighted the importance of LBE and the program's intent of transforming how state agencies use energy and resources in operations, facilities, and transportation. New state buildings are being designed and constructed to higher efficiency standards and existing buildings are receiving equipment retrofits and are being retrocommissioned to ensure proper operation of energy systems. Several agencies are moving forward with performance contracting for groups of buildings and incorporating renewable energy technologies, such as photovoltaics (PV), in projects.

Consistency in data collection and accuracy in recordkeeping have been some of the challenges of the LBE initiative. Starting in 2008 electricity consumption and billing information, with approval by all agencies, was acquired directly from the utilities to be compiled and maintained by statisticians in DBEDT's Research and Economic Analysis Division (READ). Before 2008 each agency provided data from their own records. Compiling data from 26 agencies was less consistent than obtaining data from a sole source such as the utility. READ also requested utility data from before 2008 going back to 2005, the baseline year for LBE. As expected, there were slight discrepancies between the utility and agency data going back to 2005. Starting with the FY09 report, utility data was used for all years of the LBE initiative to provide a standard of consistency that did not exist in previous reports. Fiscal Year

# Lead By Example Training Opportunities

Executive agencies continued training their personnel in subjects such as building commissioning, performance contracting, financing, green building design and construction, energy-efficient equipment, and renewable energy generation. A total of 53 workshops and other events relating to LBE topics were held in FY11, attracting at least 5,344 participants, including many from state agencies. In some cases, DBEDT provided American Recovery and Reinvestment Act (ARRA) funds so that other executive agencies' staff members could attend the training.

2005 continues to serve as the baseline year and all data have been updated to reflect this new standard.

This report summarizes the achievements and activities of executive agencies as they "Lead By Example" in 2011. The 28 participating agencies include:

Department of Accounting and General Services (DAGS) Department of Agriculture (DOA) Department of the Attorney General (AG) Department of Budget and Finance (B&F) Department of Business, Economic Development and Tourism (DBEDT) Department of Commerce and Consumer Affairs (DCCA) Department of Defense (DOD) Department of Education (DOE) Department of Hawai'ian Home Lands (DHHL) Department of Health (DOH) Department of Human Resources Development (DHRD) Department of Human Services (DHS)

Department of Labor and Industrial Relations (DLIR) Department of Land and Natural Resources (DLNR) Department of Public Safety (PSD) Department of Taxation (DoTAX) Department of Transportation—Airports Division (DOT-Air) Department of Transportation—Harbors Division (DOT-Har) Department of Transportation—Highways Division (DOT-Hwy) Foreign Trade Zone (FTZ) Hawai'i Community Development Authority (HCDA) Hawai'i Health Systems Corporation (HHSC) Hawai'i Housing Finance and Development Corporation (HHFDC) Hawai'i Public Housing Authority (HPHA) Hawai'i State Public Library System (HSPLS) Hawai'i Tourism Authority—Convention Center (HTA/CC) Natural Energy Laboratory of Hawai'i Authority (NELHA) University of Hawai'i System (UH)

#### **Executive Agency Electricity Consumption**

In 2011 agencies consumed 647 million kilowatt-hours (kWh) of electricity, almost 3 million kWh more than in FY10, which was the lowest annual total since the Lead By Example initiative began. State agencies have lowered electricity consumption by 56 million kWh, or 7.9%, since it peaked in 2007 at 702 million kWh. In baseline year 2005, agencies used 678 million kWh. Initially, consumption increased 2.4% in

2006 and another 1.1% in 2007. The drop of 0.1% in 2008 marked the first decrease from a previous year and signaled that energy conservation efforts were beginning to impact overall consumption. With the 5.7% drop in consumption for 2009, the state achieved its largest single-year decline and realized the first real decrease in consumption, dropping 2.5% below 2005 baseline levels. The 2.8% reduction in 2010 continued the downward trend and the slight 0.6% uptick in 2011 brought total agency consumption to 4.6% below the 2005 baseline levels, a savings of 31 million kWh. Electricity use for State of Hawai'i executive agencies is depicted in Figure 1.

# New Facilities' Energy Impact

In FY11 electricity consumption increased by 0.6% over FY10. Half of the increased consumption was a result of new facilities coming online. New meters accounted for 1.8 million kWh, or approximately 49% of the 3.7 million kWh increase in FY11. Even with the slight increase, agency consumption remains 4.6% below the 2005 baseline year.







Energy use varies widely within individual agencies. In 2011 most agencies reported reductions in energy use; others noted minimal increases and a few used significantly more electricity. Four agencies account for most of the electricity used by the executive branch: the University of Hawai'i (UH) campuses, the Department of Education (DOE), the Airports Division of the Department of Transportation (DOT-Air), and the Department of Accounting and General Services (DAGS). UH and DOE both experienced increases of 1.7%, while DOT-Air and DAGS managed decreases of 0.3% and 1.4%. From FY05 to FY11, 22 executive agencies were able to decrease their electricity consumption as opposed to 18 in FY10. Each agency's year-by-year kWh consumption is summarized in Figure 2.



### Figure 2: Comparison of kWh Consumption by Agency by Year

Tables 1 and 2 provide information on individual agencies' electricity consumption and the changes from year to year since FY05. The reported number of kilowatt-hours consumed annually is provided in Table 1, while Table 2 presents the differences among years in kWh as well as percentage change. It should be noted that several agencies' utility records are consolidated into DAGS' report since DAGS manages their buildings. These include the departments of Budget and Finance (B&F), Human Resource Development (DHRD), Taxation (DOTAX), and most offices within the Department of Business, Economic Development, and Tourism (DBEDT).

Agency	FY05 kWh	FY06 kWh	FY07 kWh	FY08 kWh	FY09 kWh	FY10 kWh	FY11 kWh
AG	35,420	34,798	34,945	35,849	33,890	33,224	32,900
DAGS	49,230,992	49,779,316	51,797,308	52,245,047	45,519,417	42,576,283	41,994,459
DBEDT	496,413	358,760	610,347	546,138	546,359	729,112	417,862
DCCA	1,535,941	1,541,342	1,611,503	1,615,431	1,642,705	1,447,930	1,456,311
DHHL	2,283,061	2,494,168	2,989,292	3,391,736	3,694,566	3,404,418	3,169,941
DHS	3,857,967	4,007,321	4,046,162	3,924,563	3,717,370	3,586,914	3,315,318
DLIR	330,872	400,854	394,799	373,783	299,619	284,408	267,338
DLNR	3,454,292	3,454,427	3,628,338	3,648,394	3,480,072	3,024,661	2,920,740
DOA	2,825,754	2,920,780	3,309,250	2,845,190	2,327,260	2,127,374	2,038,538
DOD	6,703,102	6,913,967	7,129,678	6,932,392	6,392,223	6,155,416	6,588,379
DOE	143,384,951	144,128,064	148,414,237	147,987,700	138,927,520	133,201,033	135,465,041
DOH	25,726,039	25,496,454	25,404,262	25,887,669	26,216,375	24,971,055	24,371,917
DOT - Air	128,101,116	129,604,326	131,269,766	133,988,212	129,019,506	128,111,323	127,666,443
DOT - Har	10,315,114	10,702,082	11,374,640	11,325,990	9,550,867	8,123,410	7,373,193
DOT - Hwy	28,804,170	28,203,362	28,303,598	27,941,945	26,426,481	25,754,283	27,418,339
FTZ	921,920	1,044,160	1,011,840	1,033,600	895,680	934,400	876,480
HCDA	1,150,027	252,285	322,151	318,810	312,752	677,124	664,687
HHFDC	3,057,300	3,142,688	5,430,162	5,832,603	5,485,910	5,205,445	4,864,788
HHSC	20,127,174	18,553,340	18,804,930	18,146,647	17,914,301	18,172,891	18,672,780
HPHA	18,456,206	18,567,637	19,235,874	18,884,841	18,481,546	18,553,412	18,061,647
HSPLS	8,477,520	8,512,526	8,890,675	8,714,828	8,181,762	7,654,267	7,648,544
HTA - CC	7,389,600	8,715,000	8,056,800	7,848,600	6,525,600	5,777,400	6,214,200
NELHA	4,270,831	3,917,223	4,035,528	4,178,093	4,500,456	4,500,909	4,832,161
PSD	21,966,423	21,584,032	20,839,695	20,431,439	18,910,860	17,861,470	17,172,764
UH	185,299,794	200,215,505	195,556,630	193,639,569	182,226,984	180,442,128	183,610,659
Totals	678,201,997	694,544,416	702,502,409	701,719,068	661,230,080	643,310,297	647,115,427

### Table 1: Utility Electricity Consumption by State Agencies

Agency	FY05- FY06	%	FY06- FY07	%	FY07- FY08	%	FY08- FY09	%	FY09- FY10	%	FY10- FY11	%	FY05- FY11	%
AG	-622	-1.8	147	0.4	904	2.6	-1,959	-5.5	-666	-2.0	-324	-1.0	-2,520	-7.1
DAGS	548,325	1.1	2,017,992	4.1	447,739	0.9	-6,725,630	-12.9	-3,132,934	-6.9	-581,824	-1.4	-7,236,533	-14.7
DBEDT	-137,653	-27.7	251,587	70.1	-64,209	-10.5	221	0.0	182,753	33.4	-311,250	-42.7	-78,551	-15.8
DCCA	5,402	0.4	70,160	4.6	3,928	0.2	27,275	1.7	-144,215	-9.1	8,381	0.6	-79,630	-5.2
DHHL	211,107	9.2	495,124	19.9	402,444	13.5	302,830	8.9	-290,228	-7.9	-234,477	-6.9	886,880	38.8
DHS	149,354	3.9	38,841	1.0	-121,599	-3.0	-207,193	-5.3	-130,456	-3.5	-271,596	-7.6	-542,649	-14.1
DLIR	69,982	21.2	-6,055	-1.5	-21,016	-5.3	-74,164	-19.8	-15,211	-5.1	-17,070	-6.0	-63,534	-19.2
DLNR	135	0.0	173,911	5.0	20,056	0.6	-168,322	-4.6	-455,411	-13.1	-103,921	-3.4	-533,552	-15.4
DOA	95,026	3.4	388,470	13.3	-464,060	-14.0	-517,930	-18.2	-200,466	-8.6	-88,836	-4.2	-787,216	-27.9
DOD	210,865	3.1	215,711	3.1	-197,286	-2.8	-540,170	-7.8	-236,807	-3.7	432,963	7.0	-114,723	-1.7
DOE	743,113	0.5	4,286,173	3.0	-426,537	-0.3	-9,060,180	-6.1	-5,720,327	-4.1	2,246,928	1.7	-7,919,910	-5.5
DOH	-229,585	-0.9	-92,192	-0.4	483,407	1.9	328,706	1.3	-1,252,481	-4.8	-599,137	-2.4	-1,354,122	-5.3
DOT-Air	1,503,210	1.2	1,665,440	1.3	2,718,446	2.1	-4,968,706	-3.7	-905,908	-0.7	-447,155	-0.3	-434,673	-0.3
DOT-Har	386,968	3.8	672,558	6.3	-48,650	-0.4	-1,775,123	-15.7	-1,422,117	-14.9	-756,757	-9.3	-2,941,921	-28.5
DOT-Hwy	-600,808	-2.1	100,236	0.4	-361,653	-1.3	-1,515,465	-5.4	-684,021	-2.6	1,662,671	6.5	-1,385,831	-4.8
FTZ	122,240	13.3	-32,320	-3.1	21,760	2.2	-137,920	-13.3	38,720	4.3	-57,920	-6.2	-45,440	-4.9
HCDA	-897,742	-78.1	69,866	27.7	-3,341	-1.0	-6,058	-1.9	364,372	116.5	-12,437	-1.8	-485,340	-42.2
HHFDC	85,389	2.8	2,287,474	72.8	402,441	7.4	-346,693	-5.9	-280,465	-5.1	-340,657	-6.5	1,823,808	60.0
HHSC	-1,573,834	-7.8	251,590	1.4	-658,283	-3.5	-232,346	-1.3	258,590	1.4	499,889	2.8	-1,454,394	-7.2
HPHA	111,430	0.6	668,237	3.6	-351,033	-1.8	-403,295	-2.1	71,603	0.4	-491,764	-2.7	-394,559	-2.1
HSPLS	35,006	0.4	378,149	4.4	-175,847	-2.0	-533,066	-6.1	-527,486	-6.4	-5,732	-0.1	-828,976	-9.8
HTA-CC	1,325,400	17.9	-658,200	-7.6	-208,200	-2.6	-1,323,000	-16.9	-748,200	-11.5	436,800	7.6	-1,175,400	-15.9
NELHA	-353,608	-8.3	118,305	3.0	142,565	3.5	322,363	7.7	453	0.0	331,252	7.4	561,330	13.1
PSD	-382,391	-1.7	-744,337	-3.4	-408,256	-2.0	-1,520,579	-7.4	-1,212,715	-6.4	-688,882	-3.9	-4,793,660	-21.8
UH	14,915,711	8.0	-4,658,875	-2.3	-1,917,061	-1.0	-11,412,585	-5.9	-1,772,977	-1.0	3,156,651	1.7	-1,689,135	-0.9

 Table 2: Differences in Electricity Consumption (kWh) for Reported Years

#### **Electricity Costs by State Agencies**

Even though state agency electricity consumption increased by only 0.6% between FY10 and FY11, in FY11 state agencies spent \$170 million on electricity, \$25 million, or 17.2%, more than in 2010. This is the most that the state paid for electricity in a single fiscal year since FY05 and serves as a reminder that Hawai'i's nearly 80% dependence on imported petroleum to produce electricity results in kWh prices heavily influenced by the volatility of world oil markets. Since LBE began, overall state agency electricity costs were driven higher each year by rising oil prices despite kWh consumption decreases, which started in 2007. Electricity cost state agencies \$104 million in baseline year 2005. Costs jumped by \$25 million in 2006, another \$4 million in 2007, \$30 million in 2008, and \$2 million in 2009. In FY10 overall state agency electricity costs declined by \$20 million as a result of efficiency and relatively lower oil prices. The cost totals for the fiscal years from 2005 to 2011 are given in Figure 3.



#### Figure 3: Comparison of State Electricity Utility Costs FY05 to FY10

Since the beginning of LBE, agencies' energy bills have reflected the fluctuations in the price of oil and electricity. 2011 was no exception. Average electricity costs in Hawai'i increased 16.7% from the previous year. Energy savings can reduce costs from increasing oil prices and amplify declining oil prices. Figure 4 shows the relationship between the price of oil, the price of electricity, overall cost to state agencies, and consumption as a percentage change from 2005 baseline figures.

#### Figure 4: Percent Change (over FY05) of Electricity Price, Cost, and Consumption



#### Sources: NYMEX WTI Future Price; EIA-826 ; Utilty (HECO, MECO, HELCO, & KIUC) Billing data

Agencies are actively addressing their energy consumption with methods such as performance contracting, retrofitting lights, tinting windows, replacing aging air conditioning systems, and assessing the potential for solar water heating. Some are also producing electricity with renewable energy systems that reduce the amount of electricity that is bought from the utility. Electricity costs for each agency are reported by fiscal year in Figure 5 below.



#### Figure 5: Cost of Purchased Electricity by Agency from FY05 to FY11

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Agencies' electricity costs for fiscal years 2005 through 2011 are shown in Table 3. Table 4 lists the differences in dollars paid for utility electricity from year to year and the percentage change between years.

Agency	FY05	FY06	FY07	FY08	FY09	FY10	FY11
AG	\$10,741	\$11,632	\$12,204	\$14,626	\$12,843	\$11,996	\$13,483
DAGS	\$7,482,710	\$9,092,737	\$9,310,630	\$11,667,310	\$11,194,778	\$9,499,992	\$10,845,266
DBEDT	\$115,698	\$89,907	\$124,219	\$139,262	\$158,482	\$186,947	\$138,484
DCCA	\$219,025	\$268,360	\$273,982	\$347,577	\$372,611	\$309,522	\$367,715
DHHL	\$489,457	\$628,026	\$811,507	\$1,031,764	\$1,128,085	\$946,675	\$1,014,414
DHS	\$682,243	\$847,648	\$869,025	\$1,011,941	\$1,004,178	\$896,555	\$960,112
DLIR	\$80,885	\$116,710	\$116,422	\$130,371	\$115,599	\$99,715	\$104,559
DLNR	\$705,898	\$841,123	\$889,243	\$1,057,708	\$1,044,212	\$860,711	\$955,276
DOA	\$545,360	\$647,465	\$789,592	\$793,773	\$649,987	\$559,057	\$615,400
DOD	\$1,163,226	\$1,422,139	\$1,492,829	\$1,741,314	\$1,703,990	\$1,487,429	\$1,893,211
DOE	\$25,567,384	\$30,610,076	\$31,805,744	\$38,173,389	\$38,403,638	\$33,966,349	\$39,696,016
DOH	\$3,934,069	\$4,728,875	\$4,759,470	\$6,022,990	\$6,681,536	\$5,771,076	\$6,633,200
DOT-Air	\$17,761,072	\$22,259,323	\$22,920,171	\$28,641,831	\$30,078,400	\$26,676,871	\$31,291,001
DOT-Har	\$1,648,777	\$2,044,297	\$2,136,409	\$2,663,999	\$2,422,304	\$1,939,602	\$2,047,988
DOT-Hwy	\$5,010,087	\$5,905,006	\$5,782,714	\$6,980,180	\$6,881,176	\$6,318,805	\$7,987,219
FTZ	\$134,290	\$180,726	\$174,446	\$221,373	\$206,781	\$200,512	\$222,800
HCDA	\$149,278	\$53,436	\$61,014	\$74,315	\$78,566	\$166,956	\$186,974
HHFDC	\$451,607	\$568,198	\$910,554	\$1,243,518	\$1,256,511	\$1,101,118	\$1,215,786
HHSC	\$3,982,094	\$4,415,497	\$4,801,818	\$5,866,179	\$6,007,542	\$5,181,870	\$6,254,696
HPHA	\$2,726,530	\$3,308,536	\$3,427,260	\$4,229,350	\$4,314,868	\$4,023,549	\$4,572,759
HSPLS	\$1,533,815	\$1,808,919	\$1,893,315	\$2,244,370	\$2,249,731	\$1,946,842	\$2,272,193
HTA-CC	\$1,104,124	\$1,520,889	\$1,411,445	\$1,717,207	\$1,582,841	\$1,356,185	\$1,686,670
NELHA	\$871,574	\$1,015,139	\$1,071,918	\$1,313,291	\$1,425,614	\$1,301,215	\$1,603,147
PSD	\$3,264,187	\$3,951,300	\$3,848,077	\$4,689,674	\$4,601,729	\$3,897,747	\$4,385,946
UH	\$25,206,974	\$33,613,946	\$34,221,881	\$41,121,936	\$41,486,486	\$36,468,378	\$43,222,011
Total	\$104,841,105	\$129,949,909	\$133,915,889	\$163,139,248	\$165,062,485	\$145,175,672	\$170,186,326

 Table 3: Cost of Electricity Purchased by State Agencies

Agency	FY05- FY06	%	FY06- FY07	%	FY07- FY08	%	FY08- FY09	%	FY09- FY10	%	FY10- FY11	%	FY05- FY11	%
AG	892	8.3	571	4.9	2,422	19.8	-1,783	-12.2	-847	-6.6	1,488	12.4	2,743	25.5
DAGS	1,610,028	21.5	217,892	2.4	2,356,681	25.3	-472,533	-4.1	-1,726,902	-15.4	1,345,274	14.2	3,362,556	44.9
DBEDT	-25,792	-22.3	34,312	38.2	15,043	12.1	19,220	13.8	28,464	18.0	-48,462	-25.9	22,786	19.7
DCCA	49,335	22.5	5,622	2.1	73,595	26.9	25,034	7.2	-52,553	-14.5	58,194	18.8	148,690	67.9
DHHL	138,569	28.3	183,480	29.2	220,257	27.1	96,320	9.3	-181,446	-16.1	67,739	7.2	524,957	107.3
DHS	165,405	24.2	21,378	2.5	142,915	16.4	-7,762	-0.8	-107,623	-10.7	63,557	7.1	277,869	40.7
DLIR	35,825	44.3	-288	-0.2	13,948	12.0	-14,771	-11.3	-15,884	-13.7	4,844	4.9	23,674	29.3
DLNR	135,225	19.2	48,120	5.7	168,465	18.9	-13,497	-1.3	-183,501	-17.6	94,565	11.0	249,378	35.3
DOA	102,105	18.7	142,127	22.0	4,181	0.5	-143,787	-18.1	-91,165	-14.0	56,342	10.1	70,039	12.8
DOD	258,913	22.3	70,690	5.0	248,485	16.6	-37,324	-2.1	-216,561	-12.7	405,782	27.3	729,985	62.8
DOE	5,042,692	19.7	1,195,668	3.9	6,367,645	20.0	230,248	0.6	-4,436,501	-11.6	5,725,366	16.9	14,128,631	55.3
DOH	794,806	20.2	30,595	0.6	1,263,520	26.5	658,546	10.9	-911,871	-13.6	862,124	14.9	2,699,131	68.6
DOT-Air	4,498,251	25.3	660,848	3.0	5,721,661	25.0	1,436,569	5.0	-3,400,684	-11.3	4,613,285	17.3	13,529,929	76.2
DOT-Har	395,521	24.0	92,112	4.5	527,590	24.7	-241,695	-9.1	-481,294	-19.9	106,738	5.5	399,212	24.2
DOT-Hwy	894,919	17.9	-122,293	-2.1	1,197,467	20.7	-99,004	-1.4	-564,905	-8.2	1,668,039	26.4	2,977,131	59.4
FTZ	46,437	34.6	-6,281	-3.5	46,927	26.9	-14,592	-6.6	-6,268	-3.0	22,288	11.1	88,510	65.9
HCDA	-95,842	-64.2	7,579	14.2	13,301	21.8	4,251	5.7	88,390	112.5	20,018	12.0	37,696	25.3
HHFDC	116,590	25.8	342,356	60.3	332,964	36.6	12,993	1.0	-155,392	-12.4	114,667	10.4	766,419	170.6
HHSC	433,404	10.9	386,321	8.7	1,064,360	22.2	141,363	2.4	-825,672	-13.7	1,072,826	20.7	2,272,602	57.1
HPHA	582,006	21.3	118,724	3.6	802,090	23.4	85,518	2.0	-291,407	-6.8	549,210	13.6	1,846,228	67.7
HSPLS	275,104	17.9	84,396	4.7	351,055	18.5	5,361	0.2	-302,889	-13.5	325,352	16.7	738,378	48.1
HTA-CC	416,764	37.7	-109,443	-7.2	305,761	21.7	-134,366	-7.8	-226,656	-14.3	330,485	24.4	582,546	52.8
NELHA	143,565	16.5	56,779	5.6	241,373	22.5	112,323	8.6	-124,399	-8.7	301,932	23.2	731,573	83.9
PSD	687,113	21.1	-103,222	-2.6	841,597	21.9	-87,945	-1.9	-736,537	-15.9	488,035	12.5	1,121,759	34.4
UH	8,406,972	33.4	607,935	1.8	6,900,055	20.2	364,550	0.9	-5,014,265	-12.1	6,749,789	18.5	18,015,036	71.5

 Table 4: Differences in Cost of Electricity for Reported Years (\$)

As stated above, since the beginning of LBE, oil prices have driven overall electricity costs higher despite agencies using less electricity. This dynamic is illustrated in Figure 6 below.



Figure 6: Consumption and Cost Percentage Change from FY05 to FY11 by Agency

Since 2005, while 22 departments managed to decrease total electricity use, no agency was able to decrease costs. For example, the Foreign Trade Zone (FTZ), the Department of Transportation – Highways Division (DOT-Highways), the Department of Commerce and Consumer Affairs (DCCA), the Hawai'i Health Systems Corporation (HHSC), and the Department of Land and Natural Resources (DLNR) decreased their kWh consumption by 4.9%, 4.8%, 5.2%, 7.2%, and 15.4%, respectively, between 2005 and 2011, but their electricity bills all rose by more than 35% during the same period.

### Efficiency in Buildings

In Hawai'i applying energy efficiency to the design, construction and operation of buildings is becoming a standard practice. The State of Hawai'i is active in several "green building" initiatives and now requires LEED Silver certification, to the extent possible, for new construction and major renovation. In addition to energy savings, LEED Silver standards dictate improved indoor environmental quality, which has been linked to reduced absenteeism, up to 16% increased productivity, 20% better test performance in schools, and an average of 2½ days earlier discharge from hospitals.<sup>1</sup>

Leadership in Energy and Environmental Design (LEED) is a program of the nonprofit U.S. Green Building Council (USGBC). DBEDT joined the Council in 2006; its membership on behalf of the State of Hawai'i allows all state employees access to USGBC publications and training sessions at a reduced cost, as well as exclusive online reports, participation in local USGBC chapter events, and reduced LEED project registration and certification fees. Although certification assures independent, third-party verification of a building's performance to LEED standards, some agencies are designing facilities to meet LEED criteria but do not plan to formally verify and certify them because of cost considerations. In 2005 there was only one LEED Accredited Professional (LEED AP) among the state agencies. Now, there are 30 LEED APs on staff at five agencies: DBEDT, DOE, DOT, DAGS and UH. Other employees are in training to take the various LEED exams.

The following state buildings have either achieved LEED standards or are in process toward that goal. A number of these projects were already underway before the LBE initiative began.

### LEED Platinum

- NELHA Hawai'i Gateway Energy Center (completed)
- NELHA Gateway Center office structure (planned)

# LEED Gold

- UH-Hilo Student Life Complex (completed)
- UH Institute of Marine Biology Coconut Island Biology Research Laboratories (design)
- UH Center for Microbial Oceanography Research and Education (complete)
- HSPLS North Kohala Public Library (complete)

# LEED Silver

- DAGS CSD Administrative Building (registered)
- DAGS Keaukaha Military Reservation Joint Military Center (under construction)
- DAGS Maui Public Safety Complex (design)
- DOE 'Ewa Makai Middle School campus (complete)
- DOE Kīhei High School campus (RFP)

<sup>&</sup>lt;sup>1</sup> Source: Garzone, C. (2006). U.S. Green Building Council and the LEED<sup>TM</sup> Green Building Rating System

- DOE Wailuku Elementary School II (design)
- DOE Baldwin High School Library (under construction)
- DOH Hawai'i State Hospital new forensic facility (design)
- DOT-Air HNL Bus Maintenance Facility (planned)
- DOT-Air HNL Cargo Facility (planned)
- DOT-Air HNL Commuter Terminal (under design)
- DOT-Air HNL Concourse (under design)
- DOT-Air HNL Consolidated Car Rental Facility (designed)
- DOT-Air HNL Maintenance Facility (planned)
- DOT-Air HNL Mauka Concourse (under design)
- DOT-Air KOA Aircraft Rescue Fire Fighters Building (designed)
- DOT-Air KOA Commuter Terminal (designed)
- HSPLS 'Aiea Public Library (funded)
- HSPLS Koloa Public Library (sited)
- HSPLS Nānākuli Public Library (planning)
- HSPLS Mānoa Public Library (under construction)
- PSD Kaua'i Regional Complex (planned)
- PSD Maui Community Correctional Center relocation (stopped)
- PSD O'ahu Regional Complex (planned)
- PSD New transitional housing (planned)
- UH Information Technology Center (design)
- UH-Hilo Hawai'ian Language Building (under construction)
- UH-Hilo Sciences and Technology Center (under construction)
- UH-Hilo Student Services Building addition and renovation (under construction)
- UH-Hilo College of Pharmacy (planning and design)
- UH-Hilo Student Services Building addition and renovation (design)
- UH-Mānoa Campus Center renovation and addition (under construction)
- UH-Mānoa College of Education (planned, pending funds)
- UH-Mānoa Edmonson Hall renovation (funded for design)
- UH-Mānoa Frear Hall Residence Building (completed)
- UH-Mānoa Gartley Hall renovation (design)
- UH-Mānoa Kennedy Performance Arts Facilities (funded for design)
- UH-Mānoa Kuykendall Hall renovation (funded for design)
- UH-Mānoa Pacific Regional Biosafety Laboratory (funded for design and construction)
- UH- Mānoa Performing Arts Facility (design)
- UH-Mānoa School of Law addition and renovation (funded for planning)
- UH-Mānoa new classroom building (planning)
- UH-West O'ahu new Kapolei campus development (under construction)
- Honolulu Community College Advanced Technology Training Center (funded for design)
- Kapi'olani Community College Culinary Institute of the Pacific (design)
- Leeward Community College Education and Innovation Instructional Facility (funded for design)

- Maui Community College science facility (under construction)
- Windward Community College Library and Learning Center (under construction)

#### **LEED** Certified

- DOE Waipahu Intermediate School Cafeteria (completed)
- UH-Mānoa School of Medicine (completed)
- UH-Hilo 'Imiloa Astronomy Center of Hawai'i (completed)
- UH John A. Burns School of Medicine (completed)

#### **LEED Commercial Interiors**

• DOT-Air HNL Airport Lounge (completed)

#### LEED Existing Buildings: Operations and Maintenance

• DAGS Leiopapa A. Kamehameha State Office Tower (ongoing performance period)

DOE also has eight school facilities planned, designed or under construction that meet LEED Silver standards but will not pursue formal verification and certification due to cost concerns. *Hawai'i High Performance School Guidelines*, developed by DBEDT in cooperation with DOE, which provide guidance for design consultants, will still be used when applicable to achieve LEED requirements in school buildings. Sustainable design criteria similar to those of LEED are being incorporated by DAGS during the design phase of the Kapolei Judiciary Complex, within the constraints of project funding. DBEDT, working with DAGS, has developed guidelines for design and construction which can be applied toward meeting LEED requirements.

Act 155, signed into law in 2009, requires all existing state buildings that are either larger than 5,000 square feet or use more than 8,000 kWh of electricity per year to be benchmarked by December 31, 2010. Benchmarking is a process which involves calculating the building's annual energy consumption per square foot. Buildings are given an "energy usage intensity" (EUI) score, allowing buildings to be quickly compared and identify areas for improving energy efficiency. DBEDT has offered several training sessions on U.S. Environmental Protection Agency's (EPA) Portfolio Manager to state employees and assisted a number of agencies in completing the benchmarking. Portfolio Manager is an online tool available for benchmarking a building's energy use.

Benchmarking is also a way of evaluating whether buildings are potential candidates for ENERGY STAR® status. ENERGY STAR® is a joint program of the U.S. EPA and the U.S. Department of Energy (USDOE) to protect the environment and reduce costs through energy-efficient products and practices. ENERGY STAR® certified buildings rank in the top quartile of an EPA performance rating system calculated from actual energy use of similar existing buildings in the nation. ENERGY STAR® STAR® certified buildings also must qualify for thermal comfort while meeting lighting, ventilation, and indoor air quality requirements.

Hawai'i has been an active member of EPA's ENERGY STAR® 10% Challenge program since 2005. The program identifies buildings where financially attractive energy efficiency improvements could reduce energy use by 10%, and then implements those changes through low-cost building tune-ups, lighting upgrades, and replacement of old equipment. Another benefit is the reduction of greenhouse gas emissions.

Benchmarking efforts in FY11 enabled the identification and certification of eight (8) ENERGY STAR® buildings. To date, 172 state buildings have been benchmarked and the eighteen (18) state facilities listed below have achieved ENERGY STAR® status; some of which have received annual certification more than once.

- Kakuhihewa Building (Kapolei State Building)
- Leiopapa A Kamehameha Building (State Office Tower)
- Abner Paki Hale Courthouse
- Hilo State Office Building
- Keoni Ana Building
- Waipahu Civic Center
- Kāne'ohe Elementary School
- Kāne'ohe Civic Center
- Wahiawā Civic Center
- OR&L Main
- AAFES Building
- King Kalākaua Building
- Ho'opono
- State Capitol Building
- Ala Moana Health Center
- Diamond Head Health Center
- Ke'elikolani Building
- Leeward Health Center

To ensure that buildings function as efficiently as possible, commissioning and retro-commissioning processes are being employed. Commissioning is applied to new buildings, while retro-commissioning optimizes an existing building's operation and maintenance. DAGS, for example, is retro-commissioning eleven (11) projects on four islands.

DAGS is also the state's lead agency for energy performance contracting, a proven method of implementing energy efficiency capital projects without requiring upfront funds. DAGS developed a prequalified list of Energy Service Companies and set of boilerplate documents which may be used by State and County agencies to solicit performance contracting proposals. In FY11 DAGS, in conjunction with DBEDT, worked with other agencies to initiate performance contracts for DAGS Phase II and buildings owned/managed by DOT, PSD and UHCC.

#### **Rebates Save Money at State Facilities**

Since 1996 many public agencies have taken advantage of rebate programs. In the past, the utilities had provided rebates for both retrofit and new construction in the areas of lighting, motors, and heating/ventilation/air conditioning (HVAC) and also supported customized approaches. In FY10, following state law, the Public Utilities Commission (PUC) selected a third-party public benefits fund administrator, Hawai'i Energy, to take over the rebate programs.

More than \$6.05 million in rebates have been provided by the Hawai'ian Electric Company, Inc. (HECO), its subsidiaries, and Hawai'i Energy to State of Hawai'i executive agencies from 1996 through 2011. In FY11 state agencies received \$733,349 in rebates, the highest rebate total of any year. Savings in 2011 from retrofits and new construction was 68,849 MWh, enough to power 9,320 homes in Hawai'i for that year. The utility costs and energy savings are expected to grow to over \$283.1 million and 1,093,384 MWh, respectively, over the life of the energy-efficient equipment.<sup>2</sup> Over the life of the equipment, the savings are equivalent to approximately 148,000 households' annual electricity use.<sup>3</sup>





<sup>&</sup>lt;sup>2</sup> For this report, it was assumed that the average life of appliances, custom, motor and cooling equipment is 15 years, while lighting is 14 years and water heating 10 years. (Source: 2004 HECO IRP, Appendix 11)

<sup>&</sup>lt;sup>3</sup> Figures representing number of households' annual electricity consumption were calculated using data from Hawai'i Energy, which shows that average household consumption per month in Hawai'i for 2010 is 615 kWh. The average annual consumption for Hawai'i households is approximately 7380 kWh. (Source: HECO)

The DOE and the UH system have been the largest beneficiaries of rebates, receiving over \$2.3 million and \$1.4 million respectively since 1996, as shown above in Figure 7. The "Housing" rebates were provided to the Housing and Community Development Corporation of Hawai'i (HCDCH), which was reorganized in 2005 into two agencies, Hawai'i Public Housing Authority (HPHA) and Hawai'i Housing Finance and Development Corporation (HHFDC).

The state agencies receiving rebates from the HECO utilities saved an additional \$169,354 to \$2.6 million per year on their electricity bills from 1996 to June 30, 2010. In total, the agencies have saved \$128.8 million during the same period.<sup>4</sup> Annual cost savings for state executive agencies are depicted in Figure 8.



Figure 8: State Agency Rebate Savings (\$) from HECO since 1996

Since 1996, an estimated total of 620 million kWh have been saved through rebates at state facilities. This is enough to power approximately 83,975 households for a year.<sup>5</sup> Annual electricity savings (kWh) due to state agency participation in utility efficiency rebate programs since 1996 are depicted in Figure 9.

<sup>&</sup>lt;sup>4</sup> This figure was calculated by adding up the estimated annual cost savings from 1996. Estimated annual cost savings were calculated by multiplying the kWh savings by the average cost of electricity per kWh (Source: Energy Information Administration) during each year going back to 1996. It should be noted that the annual savings are cumulative, since equipment installed in one year continues to offer savings over time.

<sup>&</sup>lt;sup>5</sup> Figures representing number of households' annual electricity consumption were calculated using data from Hawai'i Energy, which shows that average household consumption per month in Hawai'i for 2010 is 615 kWh. The average annual consumption for Hawai'i households is approximately 7380 kWh. (Source: HECO)



### Figure 9: Annual State Executive Facilities' Energy Savings (kWh) from HECO Rebate Programs since 1996

In 2011 lighting retrofits accounted for approximately 49 million kWh of electricity savings, representing 64% of the total. Space cooling saved an additional 14.1 million kWh and custom retrofits saved 11.2 million kWh. Other rebates were provided for motors, water heating, and appliances. State agencies' 2010 energy savings due to utility rebate programs broken down by technology are depicted in Figure 10.



# Figure 10: Rebate Energy Savings (kWh) by Technology in 2010<sup>6</sup>

<sup>&</sup>lt;sup>6</sup> \*Custom rebates are any rebates that fall outside of prescriptive rebates and can include equipment and retrofits from the other rebate groups as well as items such as building envelope improvements, sensors/controls, variable frequency/volume equipment, and CO control parking ventilation equipment.

HECO's data show that a typical office building's electricity is primarily used for space conditioning. The combined burden of running systems for cooling, heating, ventilation and air-conditioning (HVAC) requires 43% of a typical office building's electricity. Lighting is responsible for about 27%. "Plug loads" such as computers, copiers, and other equipment consume an additional 17% while water heating accounts for 0.2%. Miscellaneous uses (e.g. elevators, water coolers) comprise the remaining 12.8%. These data, shown in Figure 11, highlight areas for energy conservation.



Figure 11: Typical Office Building Energy Use Breakdown<sup>7</sup>

When State of Hawai'i facilities on O'ahu are examined by type, campuses consisting of classrooms and offices consume about half of the electricity. Office buildings and the Honolulu International Airport each consume approximately 17% of the total. The public hospital system is also a significant consumer, accounting for around 6%. These data, provided by HECO, are shown in Figure 12.





 <sup>&</sup>lt;sup>7</sup> Source: Van Liew, T. (2003). HECO and Rebuild Hawai'i: Energy Benchmarking Studies in Hawai'i
 <sup>8</sup> Source: Cedric D.O. Chong and Associates. (2005). State of Hawai'i Facilities on O'ahu Energy Benchmarking Study

Roughly 80% of the more than 2,600 buildings owned and operated by the state government are on O'ahu.<sup>9</sup> Figure 13 shows consumption by island. These data were supplied by HECO.





<sup>&</sup>lt;sup>9</sup> Source: Cedric D.O. Chong and Associates. (2005). State of Hawai'i Facilities on O'ahu Energy Benchmarking Study

#### **Highlights of Current State Energy Activities**

Since the State of Hawai'i established its energy program in 1974, state agencies have undertaken a myriad of activities focusing on energy efficiency, conservation, and renewable energy. The Department of Business, Economic Development, and Tourism's (DBEDT) director, the state's Energy Resources Coordinator, is responsible for coordinating energy activities statewide.

These decades of programmatic action have positioned the Administration to rapidly implement the Lead By Example (LBE) initiative. The state's energy staff and many agencies' efforts have already built a solid foundation, completed some benchmarking and assessments, provided numerous opportunities for training, and executed a number of projects. Some of the recent achievements are described below.

#### Efficiency

Eighteen (18) state buildings have received ENERGY STAR® awards, acknowledging that they rank in the top 25% of similar buildings nationwide. Agencies are reviewing buildings to recertify existing buildings and to identify new buildings for certification.

Ten (10) state buildings are LEED certified. An additional 55 LEED projects are in the process toward the goal of certification.

Thirteen (13) state buildings have been retro-commissioned to the investigation phase since 2008, an additional fifty-one (51) are in the process, and five (5) have been retro-commissioned or will be as part of LEED projects.

A total of 53 workshops and other events relating to LBE topics were held in FY11, attracting at least 5,344 participants, including many from state agencies. In some cases, DBEDT provided funds so that other executive agencies' staff members could attend the training.

The State Building Code Council approved the 2006 International Energy Conservation Code (IECC) and modified the code to better suit the climate in Hawai'i, resulting in an estimated 15% efficiency improvement.

DBEDT assisted with adoption of county building energy codes. IECC 2006 was adopted by Maui County in October 2009, Hawai'i County in October 2010, and the City and County of Honolulu in November 2009. Kaua'i County adopted IECC 2009 in May 2010.

The Energy Services Coalition, a national nonprofit organization dedicated to supporting performance contracting, recognized the State of Hawai'i as first in the nation in Energy Savings Performance Contracts for State Building Efficiency. The DAGS completed construction for a \$33.4 M Phase I energy savings performance contract (ESPC) for ten (10) buildings in the Capitol District. DAGS also executed a contract for a Phase II ESPC, which will cover 33 buildings.

DAGS initiated the iConserve program for State employees working in the ten (10) State office buildings covered under the Phase I performance contract. The iConserve program is to change State employee behavior patterns such as turning off lights, closing doors, etc. through education and training to help sustain energy savings.

DOT issued an RFP for an ESPC covering fifteen (15) airports, five (5) harbors, and highways facilities.

UH-CCs have all started construction for various performance contracts that will implement major energy conservation measures in their portfolio of buildings.

PSD recently entered a Guaranteed Energy Savings Agreement for the O'ahu Community Correctional Center and the Halawa Correctional Facility, which will retro commission a number of energy-savings measures at these facilities that will results in annual energy savings of nearly \$2 million over the next twenty (20) years.

HPHA has selected a performance contractor to furnish HSPC consultant services to reduce energy consumption at its properties.

DHHL has completed a number of large energy-efficient residential development projects. The 403-unit Kanehili Subdivision in East Kapolei is still under construction, with approximately 276 families moved in. Ka'ūpuni Village, DHHL's LEED Platinum subdivision, completed construction in March 2011, which consists of 19 affordable, net zero energy homes in Wai'anae, O'ahu. The 19 families moved in on May 2011. The Kumuhau Subdivision, which 33 of 45 native Hawai'ian families have moved in, is a LEED Silver project that will contain notable green features, which are standard in all homes.

DOE has begun to implement measures recommended in a retro-commissioning report completed for Ma'ili Elementary School in January 2011, such as upgrades to the school's campus-wide chilled water air conditioning system and other measures for improving equipment performance and efficiency with estimated annual savings of 238,500 kWh of electricity.

DOE, through a Memorandum of Agreement with the UH's Sustainable Saunders group will have a sustainability audit done at Kalani High School to determine user comfort, day lighting designs, ENERGY STAR® assessment, waste stream analysis and a water audit.

As a proof of concept of methods to reduce heat gain and increase comfort for portable classrooms, the DOE will complete an energy neutral portable in the fall of 2011

at 'Ewa Elementary School in partnership with UH School of Architecture. An energy neutral portable is an energy generating, self contained, heat reduced structure.

The DOE, in partnership with the UH College of Tropical Agriculture and Human Resources (CTAHR), was awarded an EPA Grant that will focus on best practices for school landscape management as a pilot study for 3 DOE schools on O'ahu. During the 18 month grant, irrigation water benchmarking will be included, along with a sample food waste audit.

DOE lowered school baseline levels in their School Energy Conservation Program, which started in 2007. Under the program, historical data is used to establish baseline consumption. Actual consumption is compared monthly and schools pay for <sup>1</sup>/<sub>2</sub> the excess consumption or receive credit for <sup>1</sup>/<sub>2</sub> the reduction in consumption. Effective FY2010, baselines were reduced by 16% for schools with central chiller A/C systems and 6% for schools without.

DBEDT, in coordination with the EPA and pursuant to Act 155, offered training and assistance for benchmarking to state agencies. Act 155, SLH 2009 requires benchmarking of all state facilities by December 31, 2010. Benchmarking is a process which involves calculating the building's annual energy consumption per square foot, allowing buildings to be compared and identifying areas for improving energy efficiency. To date, 172 state facilities have been benchmarked using the ENERGY STAR® Portfolio Manager online tool.

19 O'ahu Facilities were analyzed for benchmarking by DAGS and eight (8) facilities were certified and received an ENERGY STAR® Plaque.

UH Mānoa completed a full benchmarking of all required campus buildings using the ENERGY STAR® portfolio in FY2011.

UH Mānoa completed the initial phase of a complete campus-wide strategic energy plan which detailed a \$15 million campus-wide lighting retrofit and a \$36 million 5 MW Photo-voltaic alternate energy program to be implemented in FY2012.

UH Mānoa continues to operate the UH Mānoa "Green Days" program which shuts down participating building HVAC systems during weekends and holidays reducing the total annual usage by over 1%.

A campus wide sub-metering project is being completed at UH Hilo which will allow UH Administration to be able to read the 42 sub-meters online to monitor the usage and generate reports for energy saving analysis.

Hawai'i State Public Library System (HSPLS), in coordination with DAGS, completed window tinting projects for dozens of libraries statewide to reduce heat gain. Also, an investigation phase retro-commissioning projects is being performed for a number of libraries on various islands.
DOH will be converting all lamps at its five (5) O'ahu Health Centers to SuperT8 lamps and changing ballasts to the electronic type.

DOD Hawai'i Army National Guard implemented a daylighting project at the Wahiawa Armory and is piloting a foam insulation project at Fort Ruger.

HHSC has incorporated co-generation plants to offset electrical and heating cost for the Samuel Mahelona Memorial Hospital and West Kaua'i Medical Center facilities.

DOT-Airports has replaced the Diamond Head Chiller Plant and the Oversea Chiller Plant project is under construction, which will contain new equipment that is energy-efficient. At Honolulu International Airport, there is an Energy Monitoring and Control System (EMCS) to turn off lights in areas that are not in use and reduce or eliminate air conditioning in these same areas.

HHFDC installed a new HVAC plant during renovations at Kamake`e Vista that is equipped with a heat recovery system to heat hot water for the laundry facility that accommodates the two hundred twenty six (226) residential units.

DBEDT was awarded US EPA Pollution Prevention funding to establish a green workforce development program that will expand DBEDT's existing Hawai'i Green Business Program and Lead By Example Resource Efficiency Program, two programs designed to help businesses and government agencies green their operations through the reduction of energy, water, and resource consumption.

The Attorney General (AG) along with DoTAX and DLIR hosted a recycling event, Aloha 'Āina Earth Day, to dispose of broken furniture and recycling materials at no cost to the State.

DOT-Hwy designs new xeriscape landscaping where possible and continues to install energy-efficient traffic signal lamps in new installations or when traffic signals are modified.

DOT-Air utilizes R-1 water where possible and non-potable water for landscape irrigation. Kona International Airport at Keāhole uses the effluent from their Wastewater Treatment Plant for irrigation, while Honolulu International Airport uses non-potable water from the Sumida Watercress Farm for irrigation.

UH Mānoa has an on-going campus-wide recycling and program that recycles cans, plastics, paper products, and green waste reducing the total waste-stream by 37%.

DOE schools are exploring the feasibility of compacting trash to reduce the overall refuse volume going to the landfills.

A project team made up of staff from DHRD, B&F, and DAGS-Information and Communications Services Division joined forces to streamline the process of tracking employee payments for various benefit programs administered by DHRD. Through the combined efforts of the project team, they were able to eliminate the need and cost to generate and transport the reams of report output required to track proper payment disbursements related to the benefits programs.

The FTZ recently began a cardboard recycling program where tenants and Zone users can place their cardboard boxes and shipping materials in a designated recycling area. This measure has effectively reduced the FTZ's solid waste refuse volume by forty (40) percent.

At all airports, the DOT recycles white paper and cardboard and monitors the amount recycled. Glass, newspaper, plastic and aluminum recycling is made difficult by security regulations at airport locations but recycling programs are in place at all our major airports.

UH Hilo campus actively reuses waste paper for internal non-official communications and has adopted a system-wide policy that all communication with student is by email. Further, UH Hilo has a new and active MIXED recycling process where all types of paper, plastic #1, 2, 5, clean metal cans, and glass are all recycled, which should more than double the amount of recycled waste to an estimated 132,000 cubic feet diverted from the landfills. The campus also has an active beverage redemption program where HI-5 containers are collected and a policy to buy recycled goods that meet the EPA's current guidelines, including reduction in packaging and buying in bulk quantities where practical. Further, UH Hilo just completed another round of e-waste recycling, sending back 9 pallets of computers at an estimated weight of 4,500 pounds.

#### Renewables

UH Hilo has a policy to include PV in all new construction projects and is currently working on completing a 23 KW PV system over the Campus Center, a 30 KW PV system with the new Sciences & Technology Building and on PB 11 roof. An 88 KW PV system over the North Hawai'i Education and Research Center has been completed. Also, an estimated 462 KW PV system will be in the Student Services Building project and an 8 KW PV system will be on the Hawai'ian Language College.

UH Maui College has installed a 12 KW PV system on its rooftop via student interns from its Sustainable Construction Program and has installed an 8 KW PV system on a rooftop of a new building along with a 1.2 KW wind turbine system.

UH Mānoa currently has installed or is actively installing 130 kW of PV in several systems on campus and is in the design phase to install an additional 5 MW of PV in FY2012.

A RFP for a photovoltaic project for schools on Kaua'i was posted in June 2011 by DOE and should be awarded to a vendor in the fall. The department is also engaging with utility companies on O'ahu, Hawai'i, and Maui to replicate what is being done on Kaua'i.

DAGS installed a 236 kilowatt (kW) PV system for the Kalanimoku Building located in the Capitol District.

DAGS is currently working on a number of photovoltaic system projects including a 100 kW PV system at the DAGS Central Services Division baseyard in Mapunapuna and at four state buildings in Honolulu (Keelikōlani Building, the Queen Liliuokalani Building, the Makai Parking Garage (Lot A) and Motor Pool (Lot P)). A project at the No. 1 Capitol Building will be installing an innovative use of PV cells into a glass art canopy as part of the Courtyard renovation.

HSPLS working with DAGS is constructing or has completed construction of six photovoltaic system projects at six public libraries: Waimea and Hanapepe on Kaua'i; Wai'anae and 'Āina Haina on O'ahu; Kahului on Maui; and Kailua-Kona on Hawai'i Island

DOA has three renewable energy projects in various stages of development. The Moloka'i and Waimea hydropower projects are in the design phase with the project for the installation of a photovoltaic system at a livestock slaughterhouse on O'ahu using 2011 Legislature appropriated funds for which the program will request allotment of the funds in FY 12.

DHHL will start construction soon on the largest Micro-scaled Concentrating Solar Power project in the State of Hawai'i. The Kalaeloa Solar One project will produce 5 megawatts of renewable energy for the island of O'ahu. The Kalaeloa Solar One's MicroCSP technology uses mirrored reflectors and optics to intensify solar energy, which in turn increases the system's energy efficiency. DHHL-LMD entered into a partnership with Keāhole Solar Power to lease land in Kalaeloa for this project.

DLNR Parks will look into developing solar and/or wind driven power sources that will be incorporated into power modules for park staff to recharge electrical utility vehicles and other energy needs. Funding has been appropriated for the design of these facilities. SP is considering the design and construction of a "green" State Park at the Mauna Kea State Recreation Area, which is in the planning stages, as all required permits and approvals are still needed as well as consultations.

DOT-Air has been working with DOT-Hwy, DOT-Har, FTZ, and UH to contract Power Purchase Agreement (PPA) of PV system over existing facilities. Currently, the awarded PPA locations in Design phase include Lāna'i Airport, Kona International Airport, Waimea Kohala Airport, and other facilities. UH–CC are negotiating three (3) PPAs for PV systems on O'ahu, Kaua'i, and Maui.

NELHA is planning to release an RFP for the construction and operation of a 1 MW Ocean Thermal Energy Conversion (OTEC) plant.

DOT-Har entered into a power-purchase agreement involving a PV-based netmetering system at Nawiliwili Harbor, which provides for a reduction of fossil fuel use and price stability for the duration of the agreement.

#### **Transportation**

Windward CC recently purchased two flexible fuel sedans and one cargo van replacing older vehicles that were not as energy efficient.

UH Mānoa initiated a fleet replacement program employing EPA grants totaling \$340,000 to replace four of its heavy trucks in FY2011 with new clean diesel trucks which are bio-diesel compatible.

UH Mānoa initiated an electric vehicle replacement program for older Internal Combustion Engine (ICE) vehicles replacing three ICE vehicles with EV in FY2011

UH-CC is installing EV charging stations in parking lots.

Not all state agencies have vehicle fleets. Those that do must comply with federal and state regulations relating to the purchase of efficient vehicles, and to purchase the most fuel-efficient vehicles that meet the needs of their programs.

State vehicles are already utilizing E-10 Unleaded gasoline, which contains 10% ethanol. State law requires its sale. Many state vehicles are also flexible-fuel capable, and are capable of using higher percentages of ethanol if they become available. UH has a small fleet of alternatively-fueled and hybrid vehicles.

The state is developing a pricing preference for biodiesel, and several agencies are prepared to use it. Currently, supplies of locally-produced biodiesel are very limited.

Act 156, signed into law in 2009, requires all state and county agencies, when purchasing new vehicles, to seek vehicles with reduced dependence on petroleum-based fuels that meet the needs of the agency. The act provides a priority list with highest priority going to electric or plug-in hybrid electric vehicles, then hydrogen or fuel cell vehicles, other alternative fuel vehicles, hybrid electric vehicles, and vehicles identified by the EPA as "Fuel Economy Leaders."

#### **Purchasing Practices**

Most departments already utilize life-cycle cost analyses, purchase efficient equipment (such as those with the ENERGY STAR® label), and take advantage of utility rebates. DAGS already requires the projects which it manages to use highly efficient mechanical equipment. Utility rebates have typically been used to help offset the cost of purchasing and installing energy-efficient equipment.

The State Procurement Office (SPO) continues to provide price and vendor listings, which include ENERGY STAR®, recycled, or environmentally preferred products. For products and supplies not included on the SPO price lists, purchasing agencies are still required to preferentially order recycled products, oil products with greater recycled content, and biofuels.

Information on recycled and environmentally preferable products (EPP) has been prepared by DBEDT and is available to state agencies. This includes lists of EPP available in Hawai'i, a case study of successful EPP efforts, an evaluation of procurement practices, and recommendations for specifications and bid requests to address EPP concerns.

An annual survey designed to track the environmentally preferable purchasing practices of state agencies is coordinated by the DOH Office of Solid Waste Management. Please see Appendix 3 for a sample of the survey. The results show that state agency EPP in 2011 lead to greenhouse gas (GHG) savings equivalent to removing approximately 93 passenger vehicles from roadways for one year and energy savings equal to conserving about 17,188 gallons of gasoline in a year.

UH Mānoa has an extensive dining and food service recycling and bio-based program, with over 80% of all paper goods used by UH Mānoa Buildings Services coming from recycle paper products.

As stated in previous years, all of the property management staff in-house and vendors have been informed of the HHFDC practice that all appliances installed in residential apartments have the highest ENERGY STAR® rating possible. This stipulation has also been placed in to laundry vendor contracts; requiring all machines to be ENERGY STAR® rated since all power used is a direct operating expense.

#### **Plans for Future LBE Activities**

#### **Continued Efficiency Efforts**

Continued improvements in efficiency and the use of renewable energy in state facilities are expected. Building on the solid foundation of assessments, training, benchmarking, energy performance contracts, and other activities undertaken in the past several decades, the administration will maintain its focus on modifying agency operations to improve efficiency. Gathering and assessing data, training staff, developing additional reference materials, enhancing inter-agency communications, identifying needs for additional skills and tools, and setting efficiency targets are all on the LBE agenda.

#### Need for Adequate Implementation Resources

State agencies are committed to the LBE effort, but future results depend on securing adequate implementation resources. Funds for capital improvements, maintenance, and retrofits must be appropriated for energy efficiency and renewable energy goals to be reached. High-priority projects include lighting, LEED commissioning, window tints and energy management controls, and, after energy efficiency measures are completed, the installation of renewable energy as appropriate.

#### Agency Goals and Plans

As part of the LBE initiative, state agencies have clarified and prioritized their plans for future energy improvements. These plans include new construction, as well as retrofits and repairs. LBE Working Groups will be addressing the following tasks:

1) Data Collection:

- Develop a standardized data collection system to establish and refine baselines for various target areas: buildings, transportation, environmental practices and procurement.
- Develop standardized documents/formats for various data requirements.
- Train personnel to use the data tools; collect data for the various target areas.

2) Training and Education Activities:

- Conduct training/education for the various Working Group members (e.g., speakers, selected discussion topics, inter-Working Group meetings to promote information/idea exchanges.)
- Develop an education/promotional campaign for state personnel to implement and practice increased efficiency.
- Continue technical training and education efforts to support LBE.

3) Technical Assistance:

- Develop LEED projects and identify pilot projects.
- Develop commissioning and retro-commissioning projects.
- Conduct building assessments, including walk-through audits.
- Identify and certify ENERGY STAR® state buildings.

# 4) Evaluation:

- Continue assessment and discussion process to identify future tasks, such as development of evaluation criteria, data requirements, and training needs.
- Develop evaluation tools, quantitative and qualitative, such as conducting postoccupancy evaluations (objective and subjective) of LEED Silver Buildings or buildings with selected technology installations for energy efficiency improvements.
- 5) Policy Review and Recommendations:
  - Continue discussion on energy-efficiency-only budget requests to improve the request process and information provided.
  - Continue examination of potential policy recommendations from the Leadership Group, Buildings Working Group, Transportation Working Group, and the Environmental Practices and Procurement Working Group.

#### **Individual Agency Responses**

A compilation of the responses from most State of Hawai'i executive agencies may be found in the following section. Agencies were asked to report on their specific activities relating to Act 96 and Act 160, SLH 2006. Selected details from specific responses, such as vehicle fleet data, are attached as appendices.

DBEDT issued invitations to participate in this compiled report to all state executive branch departments, including attached agencies.

All departments and offices responded this year. They include:

AG: Department of the Attorney General B&F: Department of Budget and Finance DAGS: Department of Accounting and General Services DBEDT: Department of Business, Economic Development & Tourism DCCA: Department of Commerce and Consumer Affairs DHHL: Department of Hawai'ian Home Lands DHRD: Department of Human Resource Development DHS: Department of Human Services DLIR: Department of Labor and Industrial Relations DLNR: Department of Land and Natural Resources DOA: Department of Agriculture DOD: Department of Defense DOE: Department of Education DOH: Department of Health DOT-Airports: Department of Transportation, Airports Division DOT-Harbors: Department of Transportation, Harbors Division DOT-Highways: Department of Transportation, Highways Division **DOTAX:** Department of Taxation FTZ: Foreign Trade Zone HCDA: Hawai'i Community Development Agency HHFDC: Hawai'i Housing Finance and Development Corporation HHSC: Hawai'i Health Systems Corporation HPHA: Hawai'i Public Housing Authority HSPLS: Hawai'i State Public Library System HTA-CC: Hawai'i Tourism Authority, Convention Center NELHA: Natural Energy Laboratory of Hawai'i Authority PSD: Department of Public Safety

UH: University of Hawai'i system

# Consolidated LBE Reports from State of Hawai'i Executive Agencies Fiscal Year 2009-2010 Relating to the Statutory Requirements of Act 96 and Act 160 of 2006

# Act 96 SLH 2006: Buildings and Facilities

(1) Design and construct buildings meeting the Leadership in Energy and Environmental Design (LEED) silver or two green globes rating system or another comparable state-approved, nationally recognized, and consensus-based guideline, standard, or system, except when the guideline, standard, or system interferes or conflicts with the use of the building or facility as an emergency shelter.

This section does not apply to the following agencies: AG, B&F, DCCA, DHRD, DOA, DOTAX, FTZ, HCDA, HTA-CC

#### DAGS: <u>ASSESSMENT</u>:

The Public Works Division (PWD) is currently working on a total of seven designated projects to achieve a LEED Silver rating for the Hawai'i State Public Library System (HSPLS), Hawai'i State Department of Defense (DOD), the Department of Public Safety (PSD), and DAGS. The seven projects are:

- 1. <u>Mānoa Public Library</u> Expansion and Site Improvements, DAGS Job No. 12-36-6364 The project's building permit approvals were delayed, but were finally approved in July 2009 and construction started in October 2009; it is currently scheduled to be completed in October 2011. The construction contract award amount for this project was \$8,159,000.
- <u>New Kohala Public Library, DAGS Job No. 11-36-6367</u> The construction of this project has been completed and facility occupied since November 2010. It is anticipated that the project will achieve a LEED Gold rating. The construction contract award amount for this project was \$6,895,900.
- Keaukaha Military Reservation Joint Military Center, Phase 1, DAGS Job No. 21-14-7292 The construction of this project has been completed and the facility has been occupied since June 2011. The project has achieved a LEED Silver rating in March 2011. This may be upgraded to a Gold rating, pending evaluation of additional construction phase points. The design-build contract award amount for this project was \$50,768,000.
- 4. Maui Regional Public Safety Complex, DAGS Job No. 15-27-5562

This project is currently striving for a LEED Silver rating. The cost of the project is substantial with possibility the project may need to value engineer some of the sustainable design elements out, but strives to use as many sustainable design elements as possible. The project is now planned to be issued as a design-build request for proposal, which is scheduled to be issued in March/April 2012. Subject to funding and permit approval, the construction is estimated to start in April 2013. The current total estimated construction cost, including furnishing and equipment is \$225 million.

5. DAGS Hawai'i District Office, Kona Baseyard, DAGS Job No. 61-10-0634

This project is currently under design and the goal is to achieve LEED Silver rating. The estimated construction cost is \$3 million, and construction is anticipated to start in early 2012.

- <u>DAGS Hawai'i District Office, Hilo Baseyard, DAGS Job No. 61-10-0633</u> This project is currently under design and the goal is to achieve LEED Silver rating. The estimated construction cost is \$4.5 million, and construction is anticipated to start in mid 2012.
- <u>New 'Aiea Public Library, DAGS Job No. 12-36-6152</u> This project is currently under design and the goal is to achieve LEED Silver rating. The estimated construction cost is \$8.1 million and construction is anticipated to start in late 2012.

#### STRATEGY:

The previously described projects are part of developing a long term strategy. For the immediate strategy, the Division of Public Works will implement projects in accordance with Act 96, SLH 2006 "to the extent possible."

The DAGS-PWD general strategy in defining and applying "to the extent possible" is to take the following steps:

- 1<sup>st</sup> level: Look for and implement sustainable design practices that PWD does already; thus, no impact on operation/function and cost.
- 2<sup>nd</sup> level: Look for and implement sustainable design practices that PWD may not have normally done, but can do without negative impact to cost and to operation/function of the facility.
- 3<sup>rd</sup> level: Look for and possibly implement sustainable design practices that PWD may not currently do that are not very costly and improve operation/function of the facility. Associated costs, benefits, budget and maybe even schedule will start to become factors in deciding whether to implement.
- 4<sup>th</sup> level: Look for and possibly implement requirements that PWD may not currently do; how will impact cost and will improve operation/function of the facility. Associated costs, benefits, budget and schedule will be factors in deciding whether to implement.

Strategy also includes knowing what we to omit:

PWD should not implement sustainable design practices and elements that do not offer any real value. PWD does not want to implement sustainable design requirements to get LEED points just to achieve a rating that does not provide a real value; regardless, if the project budget would allow it.

As PWD gains the experience and knowledge from the projects that will occur over the year, PWD intends to develop a LEED or generically-stated, Sustainable Design and Commissioning application guideline; along with programmatic support for PWD and possibly other State agencies. **DBEDT:** DBEDT has been active in promoting green buildings, offering LEED training and technical assistance for LEED projects to other state agencies and the public sector, and the adoption of energy efficient building codes.

Under a Green Building Technical Assistance Contract with DBEDT-Strategic Industries Division, Green Building Services completed and presented to the State of Hawai'i agency representatives, a LEED for Existing Building Operations and Maintenance (EB O&M) Toolkit and Education Program Manual for State of Hawai'i facilities. This LEED EB O&M Toolkit indicates how and what tools to use to measure and track progress toward the State of Hawai'i achieving LEED EB O&M Silver rating in their existing facilities.

DBEDT sponsored and coordinated LEED Credential Maintenance Program and LEED Green Associate Training and LEED EB O&M Training and Building Assessments for State of Hawai'i agency representatives. The speakers and topics were well-received by over 40 State of Hawai'i representatives from over 5 State of Hawai'i agencies. Trainees received a binder/training manual and discussed their progress toward achieving LEED silver. Opportunities and challenges were discussed for future capital improvements and policy development in support of the pursuit of more energy efficient and greener new and existing State of Hawai'i facilities.

DBEDT provided green building and LEED-related documentation and technical assistance through Green Building Services, consultant to the State of Hawai'i and DAGS, for a LEED EB O&M Project at the State of Hawai'i's State Office Tower and at the Honolulu International Airport (HIA). The HIA project achieved LEED-Commercial Interior (LEED-CI) Silver level this FY. This is the first state agency LEED-CI Silver level project in the state.

DBEDT provided testimony at the State of Hawai'i's Land Use Commission hearings in support of a LEED Silver level requirement for new large scale residential and mixed use developments on O'ahu and the Big Island that requested a land use reclassification from agriculture to urban. This was in support of the State of Hawai'i Clean Energy Initiative and the goal to achieve 70% clean energy by 2030.

On behalf of the State of Hawai'i, DBEDT renewed its membership with the US Green Building Council (USGBC). DBEDT continues to cosponsor a variety of LEED-related training sessions, from one-hour brown bag seminars at the American Institute of Architects (AIA)-Honolulu to full-day workshops co-sponsored by the USGBC Hawai'i Chapter on LEED Green Building Design & Construction and LEED Green Building Operations & Maintenance. DBEDT serves on the USGBC Hawai'i Chapter's Education and Green Schools Committees. DBEDT has helped coordinate and co-sponsor LEED workshops to prepare state personnel and others to take the USGBC's, now the Green Building Certification Institute's Green Associate, and other accredited professional (AP) examinations to become LEED Green Associates and LEED APs. In 2011 two (2) training sessions were held and 66 state employees attended.

DBEDT staff participated in monthly meetings of the AIA-Honolulu's Committee on the Environment, the Urban Land Institute's Sustainability Committee and the General Contractors Association of Hawai'i invited DBEDT to be co-Chair of the new Sustainable Construction and Renewable Energy Committee. Through participation in these committees and networks, DBEDT is able to leverage developing additional LEED and green building related educational opportunities for both public and private sector participants to raise the bar in educating project managers and consultants as well as building owners, managers, and facilities managers in the value of going green in new and existing facilities in the State of Hawai'i. DBEDT has also used State Energy Program American Recovery and Reinvestment Act funding in support of developing additional green building technical assistance to continue some of the work initiated under the previous State of Hawai'i General funded contracts.

The department helped to adopt a statewide building energy code based on the International Energy Conservation Code (IECC) 2006. Hawai'i-specific amendments were made and included IECC 2009 building commissioning requirements. It is estimated that the amendments rendered Hawai'i's IECC 2006 more stringent than the model code. In 2011 the Hawai'i Building Code Council approved Hawai'i's amendments to IECC 2009 which will strengthen the model code. The amendments include substituting reflective roofs and walls for certain insulation requirements, requiring hotel room card keys to shut off nearly all energy using equipment when leaving the room, and submetering retail spaces and high-rise living units.

**DHHL:** The Land Development Division started several projects this year with the Built Green and ENERGY STAR® program.

- The 403-unit Kanehili Subdivision in East Kapolei has the following: solar water heating with a HECO approved 120-gallon water heater with automatic timer; 16 SEER air conditioner; a programmable humidistat to control humidity in the home for maximum energy savings; Icynene open cell spray foam insulation in the attic and R-11 insulation in the exterior walls which protects the entire home from outside noise, air infiltration, dust pollens, and allergens; dual glazed/low-e high performance vinyl windows offering extreme durability and superior UNV protection; a compact fluorescent system providing a longer bulb life span, lower operating costs, and lower temperature output; dual flush toilets; ENERGY STAR® rated appliances complement the energy savings program. Phase 1 of this project is currently in construction, with approximately 276 families already moved in.
- 2. Kaʿūpuni Village, DHHL's LEED Platinum subdivision, was completed in March 2011. This project consists of 19 affordable, net zero energy homes on 3.3 acres of land in Waiʿanae, Oʿahu. The project will include a number of green building features throughout the residences and community center. Among them are photovoltaic systems, efficient water and electrical fixtures, natural day lighting, ENERGY STAR® appliances, low-e dual glaze windows and ceilings, green building materials and resources, recycling centers, community gardens and aquaculture. The 19 families moved in May 2011.
- 3. The Kumuhau Subdivision is a LEED Silver project that will contain notable green features, which are standard in all homes. These features include solar water heaters, rainwater catchment systems, and solar photovoltaic panels. 45 native Hawai'ian families were awarded single family lots for this subdivision with 33 of those families moved in.
- 4. In accordance with the American Recovery and Reinvestment Act (ARRA), DHHL was awarded \$10.2 million dollars to be used for infrastructure development and house construction for native Hawai'ian families that are eligible to reside on Hawai'ian homelands and whose total household income is below 80% of area median income level. Approximately 60% of the ARRA funds received were used for these eligible activities in Ka'ūpuni Village and approximately 40% of these funds were used for eligible activities in East Kapolei II.
- 5. All future home developments will focus on being energy efficient.

The Land Management Division (LMD) continues to encourage general lessees and licensees to plan and design their facilities to meet the same energy-efficient programs. DHHL-LMD recently entered into a partnership with Keāhole Solar Power to lease land in Kalaeloa, Oʻahu for the largest Micro-scaled Concentrating Solar Power project in the State of Hawaiʻi. The Kalaeloa

Solar One project will produce 5 megawatts of renewable energy for the island of O'ahu. The Kalaeloa Solar One's MicroCSP technology uses mirrored reflectors and optics to intensify solar energy, which in turn increases the system's energy efficiency. The solar panels track the sun throughout the day which increases the amount of energy the system produces annually and the system includes thermal storage which enables energy to be produced during cloudy conditions or at night. Construction will begin later this year.

The Hawai'ian Homes Commission has adopted DHHL's Ho'omaluo Energy Policy in January 2009. This policy enable native Hawai'ians and the broader community working together to lead Hawai'i's effort to achieve energy self-sufficiency and sustainability.

**DHS:** The Department of Human Services (DHS) will continue to coordinate all building and facility projects with the Department of Accounting and General Services (DAGS) to ensure that all construction and repairs and alterations projects are in compliance with the applicable standards and guidelines.

**DLIR:** The Department of Labor and Industrial Relations (DLIR) does not own or manage any buildings. The majority of DLIR personnel are housed in building facilities constructed and managed by the Department of Accounting and General Services (DAGS). The remaining DLIR personnel are located in privately–owned buildings of which the DAGS Leasing branch secures all rental lease agreements. DLIR does not have any plans to design or construct any new buildings or facilities at this time.

**DLNR:** DLNR's facility portfolio is limited. Most buildings owned by DLNR are composed of base yards, harbor facilities, and park restrooms. DLNR incorporates energy saving concepts into all of its owned facilities as appropriate. Energy saving concepts includes the use of solar water heaters, natural ventilation and lighting, use of energy-efficient lights, and water savings using waterless urinals or low flush toilets. Additionally, DLNR has begun to incorporate energy savings practices into design projects such as recycling existing asphalt and concrete pavement into backfill material. DLNR evaluates the feasibility of implementing energy conservation measures when capital improvement projects are designed. As DLNR staffs learn more about energy efficiency and environmental design, they will incorporate these concepts into building and facility design and renovations.

DLNR continues to work with the Department of Business, Economic Development, and Tourism (DBEDT) in a statewide collaboration on energy efficiency, as a member of DBEDT's Lead by Example Leadership Group. DLNR will continue to work with the Leadership Group on ideas to implement energy savings across the state. As department staff learns more about such initiatives, they will incorporate such guidelines into DLNR standards.

**DOD:** The Hawai'i Army National Guard follow federal military construction mandates, key energy directives include: EPAct05, Executive Order 13423, EISA07, Executive Order 13514. All new building construction is to meet or exceed LEED Silver standards.

**DOE:** The DOE now designs all new buildings or facilities to meet the LEED silver standard. In addition, all architectural and engineering consultants who prepare the design specifications are required to have a LEED certified AP on their project team. 'Ewa Makai Middle School, which has now completed construction, will be the first new DOE school to seek formal LEED Silver certification. Other on-going designs that adhere to LEED Silver or better standards include the Wailuku Elementary II and Kīhei High School. During the past fiscal year, the Department has initiated a number of significant projects valued between \$7-\$10 million dollars that are designed to LEED Silver standards without seeking formal certification. These include:

- Na'ālehu Elementary School- 4 classroom building
- Baldwin High School- new Library (LEED Certified)
- Pahoa High School- new gymnasium, under construction
- Campbell High School- new classroom buildings
- Mililani High School- 10 classroom building
- Kea'au Middle School-new library
- Waialua Elementary- new library
- Kīlauea Elementary School- administration building
- Lahainaluna High School- cafeteria
- Hickam Elementary School- administration/library building

Although not specifically covered by Act 96, the DOE is moving toward the application of LEED standards to enhance sustainability and user comfort for major renovation and upgrade projects in existing buildings. These efforts include: (1) requirement for all new portable classrooms to comply with guidelines set by the California High Performing Schools (CHPS) program; (2) installation of "cool roofs" through the use of various coating and reflective materials, whenever roof repairs and replacement occurs; and (3) installation of solar powered lights in parking lots, solar powered night security lights on building exteriors and walkways, and solar powered attic fans in teacher housing units. The DOE has also begun to implement web-based controls for air conditioning systems to allow for centralized control of these systems, which lead to a higher efficiency, while lowering user intervention. Proven technologies such as desiccant wheels that remove moisture from air condition spaces more efficiently are being deployed with chilled water systems or separately to supplement packaged air conditioning systems. Solar tubes have been retrofitted for some classroom spaces in an effort to reduce lighting loads and to bring more natural daylight promoting student performance.

**DOH:** The DOH is not constructing any new buildings; however, any renovations will incorporate these standards.

**DOT-Airports:** DOT Airports' New Day Program (Modernization projects) is on hold pending the results of a bridging document, estimated to be completed in November 2011. After the document is completed, pending on the result and direction of the document, the Program may need to be revised. However, any new projects will be planned for LEED Silver – new construction. The Consolidated Car Rental Facility project is planning for LEED Silver – new construction. The design is scheduled to be completed after July 2013.

**DOT-Harbors:** DOT-Harbors trains staff on LEED methodology, requiring design consultants and construction contractors to be knowledgeable of and able to comply with Act 96 SLH 2006. Also, DOT-Harbors ensures that all designs for new construction meet LEED silver certification and develop program milestones to encourage 100% implementation over a period of time.

**DOT-Highways:** The Highways Division requires design consultants to comply with ACT 96, SLH 2006 and ensures that all new design work meets LEED silver certification.

**HHFDC:** New Construction (NC): All developers requesting funding approval are required to include the best standards of construction in order to best reduce their impact on the power grid and increase their sustainability factor.

Existing Buildings (EB): All Property Management Coordinators and assigned Property Management Company vendors are expected to look at every maintenance/repair function along with all replacement purchases with respect to its affect on the total sustainability of the projects.

# **HHSC:**

- **Samuel Mahelona Memorial Hospital** Requested funds for the master planning of the overall facility.
- O'ahu Region For all new construction, the O'ahu Region of HHSC will assess the cost of LEED building criteria. If the cost for LEED design exceeds the budget of the project, then the project will incorporate as many energy conservation measures as possible. For long range planning, the O'ahu Region will try to include LEED design costs whenever possible.
- West Kaua'i Medical Center Requested funds for the master planning of the overall facility.

**HPHA:** Agency project engineers ask design consultants to include LEED design principles in all work products.

**HSPLS:** The construction of the new Mānoa Public Library is estimated to be completed by October 2011. The construction contract of \$8,159,000 was awarded to Allied Pacific Builders, Inc. and the project will achieve at least the LEED Silver rating.

The Construction of the new North Kohala Public Library has been completed and the facility has been occupied since November 2010. The construction contract of \$6,895,900 was awarded to Isemoto Contracting Co., Ltd. and it is anticipated that the project will achieve the LEED Gold rating. This may be upgraded to a Platinum rating, pending submittal of additional construction phase information.

The new 'Aiea Public Library is currently under design and the goal is to achieve LEED Silver rating. The estimated construction cost is \$8.1 million and construction is anticipated to start in late 2012.

**PSD:** PSD has in the past and continues to rely on the lead taken by the DAGS-PWD as follows:

- 1. Selections of LEED qualifications-based consultants who prepare the construction bidsets:
- 2. Public Works contract general conditions requiring strict adherence with nationally recognized standards, guidelines, etc. to ensure full compliance with Act 96/SLH 2006:
- 3. Complete review by DAGS-DPW/Technical Services Branch of all construction bidsets to ensure aforementioned requirements have been met.
- 4. Construction projects are periodically reviewed to ensure compliance is being met during the construction period.

PSD has recently engaged the services of an energy savings company under a Guaranteed Energy Savings Agreement at the O'ahu Community Correctional Center and the Halawa Correctional Facility. This contract will retro commission a number of energy-savings measures at these facilities that will results in annual energy savings of nearly \$2.0 million over the next twenty (20) years.

# UH:

ASSESSMENT:

- UH Mānoa Campus Center Renovation and Addition currently under construction with goal for LEED Silver.
- UH Mānoa New Classroom Building currently under planning with goal for LEED Silver.
- UH Mānoa C-MORE has been completed; and LEED Gold pending USGBC approval.
- UH Mānoa Cancer Research Center of Hawai'i currently under construction with a goal for LEED Gold.
- UH Mānoa Kuykendall Hall Renovation currently under design with goal for LEED Gold.
- UH Mānoa Snyder Hall Renovation currently under design with goal for LEED Gold.
- UH Mānoa Webster Hall Translational Health Science Simulation Center currently under design with goal for LEED Silver.
- UH Mānoa Gartley Hall Renovation funded for design with goal for LEED Silver.
- UH Hilo Hawai'ian Language Building currently under construction with goal for LEED Silver.
- UH Hilo Sciences and Technology Building currently under construction with goal for LEED Silver.
- UH Hilo Student Services Building Addition and Renovation currently under construction with goal for LEED Silver.
- UH Hilo College of Pharmacy currently under planning and design with goal for LEED Silver.
- UH Hilo Living Learning Community Phase 2 currently under planning and design with goal for LEED Silver.
- UH West O'ahu New campus development in Kapolei currently under construction with goal for LEED Silver.
- UH Maui CC Science Facility currently under construction with goal for LEED Silver.
- Kapi'olani CC Culinary Institute of the Pacific facilities at the former Cannon Club site along Diamond Head currently under design with the goal of LEED Silver.
- Leeward CC Education and Innovation Instructional Facility currently under design with goal for LEED Silver.
- Windward CC Library and Learning Center facility currently under construction with goal for LEED Silver.
- Honolulu CC Advanced Technology Training Center currently under design with a goal for LEED Silver.
- Hawai'i CC Hale Aloha (3383) pending start construction with goal for LEED Silver.
- Hawai'i CC West Hawai'i new campus development Phase 1, designed with goal for LEED Silver.
- Systemwide Information Technology Center design completed and RFP pending with goal for LEED Silver.

#### STRATEGY:

The University of Hawai'i will continue to apply the LEED rating system in all Capital Improvement Program new and major renovation projects. Sustainability guidelines are being included in the development for all campus long range development plans and project development reports. In general, the goal is to reach LEED Silver rating certification. If the goal cannot be attained due to budget constraints, then other Sustainable design principles will be incorporated into the new or major renovation projects.

#### Act 96 SLH 2006: Buildings and Facilities

(2) Incorporate energy-efficiency measures to prevent heat gain in residential facilities up to three stories in height to provide R-19 or equivalent on roofs, R-ll or equivalent in walls, and high-performance windows to minimize heat gain and, if air conditioned, minimize cool air loss. R-value is the constant time rate resistance to heat flow through a unit area of a body induced by a unit temperature difference between the surfaces. R-values measure the thermal resistance of building envelope components such as roof and walls. The higher the R-value, the greater the resistance to heat flow. Where possible, buildings shall be oriented to maximize natural ventilation and day-lighting without heat gain and to optimize solar for water heating. This provision shall apply to new residential facilities built using any portion of state funds or located on state lands.

This section does not apply to the following agencies: AG, B&F, DCCA, DHRD, DLNR, DLIR, DOA, DOH, DOT-Airports, DOT-Harbors, DOT-Highway, DOTAX, FTZ, HCDA, HSPLS, HTA-CC, NELHA

## **DAGS:**

#### ASSESMENT

The PWD very rarely will be involved in residential facilities; however energy-efficiency measures to prevent heat gain can apply to any facility. These measures are already taken into design consideration when applicable.

#### **STRATEGY**

The strategy for PWD is finding ways to improve through raising awareness of energy-efficiency measures, enhancing the review of designs, and considering new products and technologies.

**DBEDT:** DBEDT was involved with a number of activities that sought to incorporate energy efficiency measures in facilities statewide and was recognized for its efforts.

Hosted by the National Governor's Association (NGA), State of Hawai'i representatives from DBEDT, the Department of Accounting and General Services (DAGS), and UH-Community Colleges (UH-CC) traveled to Racine, Wisconsin, in July 2010, to participate in the 2010 Energy Policy Academy on Building Efficiency Retrofit Programs with representatives from other states. The State of Hawai'i's delegates discussed energy efficient building retrofit programs such as the State of Hawai'i's Energy Action Plan and projects in support of improving energy efficiency in new and existing state facilities, increasing the use of renewable energy technologies for state facilities, and the State of Hawai'i's "Lead By Example" (LBE) program to help meet the goals of the Hawai'i Clean Energy Initiative (HCEI). Using the following strategies supported by the NGA, the State of Hawai'i focused on working with state agencies to promote and support Energy Savings Performance Contracting and Power Purchase Agreements.

DBEDT coordinated the May 2011 Build & Buy Green Conference & Expo at the Hawai'i Convention Center, which was attended by approximately 400 participants, including many from state agencies. The topics were: greening affordable housing, green schools, green campuses, greening existing facilities, (including many that are and will be Leadership in Energy and Environmental Design (LEED) certified, silver, gold and platinum levels) as well as net-zero energy homes and green and net zero energy communities. HCEI and related policies and projects were presented during a track of breakout sessions during the conference.

DBEDT provided testimony at the State of Hawai'i's Land Use Commission hearings in support of a LEED Silver level and ENERGY STAR® requirement (which includes the use of energy efficiency measures such as insulation, cool roofs, high performance windows and solar hot water) for new, large-scale residential and mixed-use developments on O'ahu and the Big Island that requested a land use reclassification from agriculture to urban. This was in support of the HCEI and the goal to achieve 70% clean energy by 2030.

DBEDT sends out notices and incentives to the various LBE Working Groups to invite them to attend training and education opportunities such as for LEED, ENERGY STAR®, Build and Buy Green, and Rebuild Hawai'i Consortium meetings.

DBEDT staff were included in and recognized in the DAGS' Team of the Year Award and the Comptroller's Perpetual Trophy for the Team of the Year. The Award is in recognition of the Energy Savings Performance Team which is a \$34 million project covering 10 Downtown buildings with over 1 million square feet of office buildings. The project also includes \$2.9 million in American Recovery and Reinvestment Act funds to install photovoltaics on the Kalanimoku building. The entire Team included various divisions within DAGS, as well as staff from the Department of the Attorney General and the Department of Budget and Finance.

In September 2010, four years after initiating LBE, the American Council for an Energy-Efficient Economy nationally announced the LBE Program as part of their "18 State-Led Energy Efficiency Programs Recognized As Best In U.S." and that Hawai'i was one of four states in the "Five Top Energy-Efficiency Award Winning Programs." The State's LBE Program also was recognized by the Energy Services Coalition, a national organization supporting performance contracting, as first in the nation for per capita investment in performance contracting.

**DHHL:** DHHL will continue to promote, design, and build new affordable homes using the green technologies to ensure building of new energy and resource efficient homes in Hawai'i.

**DHS:** As applicable, DHS will continue to coordinate these activities with DAGS to effect energy-efficient measures.

**DOD:** DOD will be educating design personnel and A&E teams to include an insulation component to roof repair projects. Currently DOD is planning a pilot building with foam insulation, to include data loggers to measure & verify (Bldg 306, Ft. Ruger). The agency is reviewing ENERGY STAR® windows and window tinting, main concerns are that many HI-ARNG buildings are on SHPO list. In addition, a daylighting project is in construction for FY11 (Wahiawa Armory).

**DOE:** The DOE designs all roofs on new facilities to meet the R-19 or equivalent insulation standard. The DOE also installs additional insulation when re-roofing older roofs to meet the R-19 standard or equivalent insulation standard where feasible. New schools are designed to meet LEED Silver standards and combine the use of insulation with proper building orientation to maximize natural ventilation, daylight use, and solar water heating applications as appropriate.

The DOE designs all new schools and facilities to meet the R-11 or equivalent insulation standard but does not retrofit walls of existing buildings unless there is a clear cost benefit or requirement for the health and safety of occupants. However, facilities with large air conditioning systems that serve multiple classrooms are being retrofitted through insulation and energy-efficient windows to minimize heat gain and cool air loss where feasible. In addition, the DOE has begun a number of pilot projects to look into the feasibility of various heat abatement strategies other than air conditioning. These efforts include a heat abatement project at 'Ewa Beach Elementary School and at Kahuku High School. These projects have taken advantage of various heat reduction strategies to lower operating costs, while increasing comfort levels. Specific strategies deploy the use of ceiling fans, heat reflective paint, cool roofs, insulation, thermal walls, landscaping, solar light tubes, larger window spaces, etc. The DOE has incorporated combinations of applications from these studies that would be most beneficial to address those situations where heat reduction is a significant and immediate concern. These findings are being implemented in the department's energy neutral portable initiative at 'Ewa Elementary which is slated to be completed in the fall of 2011.

**HHFDC:** Whenever feasible it is required that all new housing developers build to the above standards of R-19 and R-11 insulation values in the ceilings and walls respectively and incorporate solar water heating strategies.

As major building renovations are planned and completed every effort is exerted to insure that the greatest benefit is derived from any changes in design and materials. Examples:

- On two high rise buildings (Pohulani Elderly and Kamake'e Vista) the failing low slope pitch and gravel roofing system was removed and replaced with a custom formed foam insulation foundation topped with a white single-ply membrane system. This provided insulation where there was none before, coupled with the highly reflective white outer coating. This significantly improved the habitability of the top floor units.
- 2. Both high rise buildings were completely repainted on all exterior surfaces with a color scheme that was from a lighter color pallet. This vastly improved the overall reflectivity of the surfaces thus reducing the absorption of the sun rays. This factor will increase the overall life span of the painted surfaces and improve the interior temperature.

**HHSC:** When any renovations to existing residential facilities are planned, HHSC will incorporate energy efficiency measures to prevent heat gain whenever possible.

**PSD:** DAGS-PWD Contract General Conditions call for adherence to all applicable federal, state and local statutes, ordinances, etc. All design teams are obliged to comply with these requirements and to certify the same.

#### UH:

- **UH Hilo** Existing resident halls are not air conditioned. The Student Life Center has a heat pump water heating system with a natural gas backup system. Data logs show the natural gas backup system was activated only one time for two hours in a year's time frame.
- **UH Maui College** Existing resident halls are not air conditioned and are closed. There are facilities to be repurposed.

**HPHA:** Agency project engineers ask design consultants to include energy-efficiency measures in all work-products. Currently, in the processes of procurement for proposals to furnish professional energy performance contracting consultant services.

#### Act 96 SLH 2006: Buildings and Facilities

(3) Install solar water heating systems where it is cost-effective, based on a comparative analysis to determine the cost-benefit of using a conventional water heating system or a solar water heating system. The analysis shall be based on the projected life cycle costs to purchase and operate the water heating system. If the life cycle analysis is positive, the facility shall incorporate solar water heating. If water heating entirely by solar is not cost-effective, the analysis shall evaluate the life cycle, cost-benefit of solar water heating for preheating water. If a multi-story building is centrally air conditioned, heat recovery shall be employed as the primary water heating system. Single family residential clients of the Department of Hawai'ian Home Lands and any agency or program that can take advantage of utility rebates shall be exempted from the requirements of this paragraph so they may continue to qualify for utility rebates for solar water heating.

This section does not apply to the following agencies: AG, B&F, DHRD, DLIR, DOTAX, DCCA, DOH, DOT-Airports, DOT-Harbors, FTZ, HCDA, HSPLS, NELHA

#### DAGS: <u>Assessment</u>

Typical DAGS managed State Office Buildings do not utilize enough hot water to make installation of solar water heating systems "cost-effective".

#### STRATEGY

The DAGS overall strategy is to continue encouraging our "clients (other State agencies that seek technical support and assistance from DAGS)" to consider using solar water heating systems in their projects, whenever feasible or advantageous to the State.

**DBEDT:** While DBEDT does not design, construct or operate any facilities, DBEDT continues to provide technical assistance to State of Hawaii agencies. This includes assistance on solar water heating, to entities such as the Department of Hawaiian Home Lands (DHHL) on projects such as work done through a Memorandum of Understanding with DHHL for the use of ARRA funding to the State of Hawaii to install solar water heaters in 400 DHHL homes.

**DHHL:** The State of Hawai'i received \$2.9 million in economic stimulus American Recovery and Reinvestment Act (ARRA) funds to provide DHHL lessees with energy efficiency retrofits to their homes to reduce energy consumption and costs. A minimum of 400 low-income DHHL lessees will be able to receive solar water heating systems and/or CFL light kits thru a partnership between the Department of Hawai'ian Home Lands (DHHL), the Department of Business Economic Development and Tourism (DBEDT), and the Department of Labor and Industrial Relations (DLIR).

The primary goal of this program is to reduce each household energy costs by 30% each year, which equates to five barrels of oil per year. A second goal is to create or sustain about 32 jobs in the local clean energy industry. A third goal is to obtain comprehensive data on energy usage and cost savings on all participants of the program.

**DHS:** As applicable, DHS will continue to coordinate these activities with DAGS to maximize energy efficiency and cost effectiveness.

**DLNR:** DLNR's facility portfolio is limited. Most buildings owned by DLNR are composed of baseyards, harbor facilities, park cabin, restrooms and picnic facilities. DLNR incorporates

energy saving concepts into all of its owned facilities as appropriate. Energy saving concepts includes the use of solar water heaters and the retrofit and replacement of lighting and electrical systems. DLNR evaluates the feasibility of implementing energy conservation measures such as use of solar water heaters when capital improvement projects are designed. As DLNR staff learns more about energy efficiency and solar water heating design, they will incorporate these concepts into building and facility design and renovations.

**DOA:** Very few HDOA facilities have a need for water heating systems, however, for certain appropriate retro-commissioning projects; HDOA will consider the cost-benefit of incorporating a solar water heating system.

**DOD:** All new construction projects have life cycle cost analysis done to verify whether or not solar water heating systems payback period is feasible. FY11 there is new construction in Hilo, KMR-AFRC. It includes three solar water heating systems, 14 panels, and five 120-gallon tanks. For existing water heaters, being replaced, life cycle cost analysis is done for a solar water heating alternative. Due to daily staffing, many armory buildings do not have enough usage to payback within a period of time.

**DOE:** The DOE school cafeteria kitchens use gas water heaters and boilers. Gas water heating is economically more efficient than electric water heating, thus limiting opportunities. However, the DOE will start a pilot study to determine the life cycle costs for solar water heating for a school cafeteria and/or locker rooms, either to replace gas water heating or to preheat water. Other water heating opportunities will be looked at, such as heat recovery from existing walk-in refrigeration compressors, both to preheat water and to increase efficiencies of the walk-in cooling.

**DOT-Highways:** The Highways Division will perform life cycle cost analysis when replacing water heating systems. The Kaua'i District Office has installed an "on-demand" propane water heating system.

**HHFDC:** Whenever feasible new housing developers are installing solar water heating systems on single and multi-family housing projects.

Presently, only one of our housing projects on the Big Island of Hawai`i (La`ilani Housing) is equipped with roof top mounted solar water heating systems. The original installations are twenty plus (20+) years old and have, in the past few years, begun to fail. They are being replaced with more efficient up-to-date units.

**HHSC:** HHSC shall evaluate the benefit of solar water heating for their facilities whenever improvements are planned or funded.

**HPHA:** Project engineers ask design consultants to include solar water hearing systems with gas-powered backups where cost-effective.

**HTA-CC:** The Hawai'i Convention Center evaluated solar water heating in 2008 and it was not cost effective, based on the limited frequency that hot water is needed in the facility, due to fluctuating event schedules and occupancy of the building. When there are large quantities of hot water needed in the building, it is on relatively short notice, for short durations and periods of time, which does not make solar power practical and efficient as an energy source. To add a solar

water system to the building would require capital cost that would not have substantial savings due to its infrequent use and therefore the life cycle cost would not be a prudent use of funds.

**PSD:** PSD and DAGS-PWD are currently in the process of developing the Maui Regional Public Safety Complex at Pu'unene, Maui. The design is reflective of the intent of Act 96 and has extensively evaluated and analyzed its mechanical engineering requirements under Act 96.

PSD and DAGS-PWD are also examining the other facility projects to ensure that replacement equipment can take advantage of solar heating, etc.

#### **UH:** ASSESMENT:

- Honolulu CC pending solar water heating installation at Cafeteria and Cosmetology with performance contract
- Leeward CC pending solar water heating installation with performance contract
- UH Maui College The College is in negotiation with an Energy Service Company to install a wide range of energy efficiency systems, one of which is to install a solar water heating system at the Culinary Building.
- Hawai'i CC- new Model home 2010-11 was completed with solar water system.
- UH Mānoa The newly constructed C-MORE Hall and the funded renovation work for Edmondson Hall, Gartley Hall, and Kuykendall Hall all employ solar water reheating systems for the central HVAC systems. Solar water reheating is employed in planned new construction and renovation projects where economically feasible.

#### STRATEGY:

The University of Hawai'i systemwide will continue to apply the LEED rating system in all Capital Improvement Program new and major renovation projects. The design principles for solar water heating systems where it is cost effective will be incorporated into the building to the extent possible

## Act 96 SLH 2006: Buildings and Facilities

(4) Implement water and energy efficiency practices in operations to reduce waste and increase conservation.

This section does not apply to the following agencies: NELHA

**AG:** All departmental staff has been provided tips on energy-efficient practices and information on the benefits of energy efficiency. Reminders of the benefits of energy-efficient practices are sent out several times a year. With the assistance of DAGS, signs have been posted to remind staff to turn off computers, lights, and other equipment when exiting. Water leaks are to be reported to the Administrative Services Office immediately, including sprinkler systems and outdoor faucets.

**B&F:** The Department encourages employees to initiate and implement energy-efficient practices (i.e. turning off office lights when not in use or when leaving for the day, turning off computer terminals at the end of the day, distributing ENERGY STAR® saving tips, etc.). The Department stresses the importance of energy saving efforts initiated by DAGS and DBEDT.

**DAGS:** As funding has become available, the department has initiated various energy conservation/efficiency projects for DAGS facilities, Statewide. The projects are in various stages of design and construction. These projects include: the replacement of aging air conditioning and elevator equipment; retrofitting with energy-efficient electronic ballasts and super T-8 lamps; delamping; the installation of protective tinting on building windows to reduce heat gain; the installation of low-flow plumbing fixtures; the installation of electric hand dryers; and installation of photovoltaic (PV) systems.

DAGS-PWD is currently working on the following photovoltaic system projects to lower energy bills:

1. <u>Central Services Division, New Photovoltaic System, DAGS Job No. 52-10-0642</u> This project is currently in construction, and consists of the installation of a 100 kW PV system at the DAGS Central Services Division baseyard in Mapunapuna. A net metering agreement between the State and HECO will be executed.

2. In addition, there are three projects that will be under design this year to install photovoltaic systems on four state buildings in Honolulu. These include the Keelikōlani Building, the Queen Liliuokalani Building, the Makai Parking Garage (Lot A) and Motor Pool (Lot P.)

Another innovative use of PV panels in architecture and art is the <u>No. 1 Capitol District Building</u>, <u>Courtyard Revitalization and Other Improvements</u>, <u>DAGS Job No. 22-10-0613</u>

This project is currently in construction, and will be installing an innovative use of PV cells into a glass art canopy. This is an example of artistic integration of PV into building materials, and will be an educational exhibit for visiting school children and other visitors.

In FY 2009, DAGS-PWD executed a contract for an Energy Savings Performance Contracting (ESPC) project involving 10 buildings in the State Capitol District, which includes the State Capitol building. This ESPC project will provide over \$34 million worth of improvements and services with a guaranteed annual savings of at least \$3 million in utility and operating costs over a 20-year period.

In FY 2011, an Invitation for Proposals solicitation for the DAGS Buildings, Statewide, ESPC project, which includes 32 facilities on five islands, was issued. This ESPC project will provide a minimum 20% reduction in utility costs of the baseline 2010 usage and have guaranteed savings over a 20-year period.

In addition to DAGS facilities, DAGS-Central Services Division (CSD) and DAGS-PWD staff have worked with the Hawai'i State Public Library System (HSPLS) in implementing energy efficiency practices. The status of projects being accomplished by DAGS for the HSPLS is:

- Completed window tinting projects for certain libraries statewide;
- Constructing or completed construction of Photo Voltaic systems on the following Public Libraries: Waimea and Hanapepe on Kaua'i; Wai'anae and 'Āina Haina on O'ahu; Kahului on Maui and Kailua-Kona on Hawai'i Island.
- Completing retro-commissioning studies at libraries statewide.

DAGS, on behalf of the Department of Public Safety (PSD), has initiated an Energy Savings Performance Contracting (ESPC) project for various PSD facilities on O'ahu (Halawa Medium Security Correctional Facility; Halawa High Security Correctional Facility; O'ahu Community Correctional Center; and the Laumaka Work Furlough Center)

DAGS on behalf of the Department of Health (DOH) is currently doing some minor energy savings projects

DAGS-CSD notes the following water and energy efficiency practices are currently being implemented for water conservation - As part of the ESPC project with NORESCO LLC, WeatherTRAX, a satellite based irrigation control system has been installed at ten major state office buildings located in the Downtown, Honolulu, civic center area. The system monitors weather conditions and shuts down landscape irrigation systems when there is sufficient rain. The system also monitors the operation of the irrigation systems and provides reports related to water consumption, leaks and other malfunctions in the system.

**DBEDT:** DBEDT encourages water and energy efficient practices in operations through the Hawai'i Green Business Program, a statewide certification and recognition program for entities that are implementing programs to reduce energy, water and waste in their offices and building operations. The program uses checklists which also serve as a tool to guide entities toward greener office practices. Checklists have been created for hotels and resorts, offices and retail, and restaurants and food service businesses. The program is jointly administered by DBEDT, the Department of Health, the City and County of Honolulu Recycling Office and Board of Water Supply. A significant portion of the certification programs are dedicated to water and energy efficiency as well as recycling and pollution prevention. In FY11 seven (7) hotel/resort, five (5) office/retail, and one (1) food service/restaurant organizations were recognized in Spring 2011 under the Hawai'i Green Business Program.

With the Lead By Example Resource Efficiency Checklist, two (2) entities were recognized for their efforts.

DBEDT also provides technical assistance to support labeling ENERGY STAR® State of Hawai'i buildings. DBEDT arranges and promotes training in ENERGY STAR® Portfolio Manager, an online tool for comparing building performance with similar buildings nationwide and provides building managers information that helps prioritize investment. To date 18 state facilities have received the ENERGY STAR® certification, which means the building ranks in the top 25% of similar buildings nationwide.

**DCCA:** Maintained a schedule whereby the landscape is watered during the evening hours and water time limited to five minutes at each station. Monitored cost and consumption data for air conditioning usage; air conditioning shut down during weekends, holidays and furlough days. Reviewed temperature data and made adjustments to correct areas of inefficiencies. Continued to monitor and adjust lighting sensors in our main office building for optimum levels of operation. Continued practice of using compact fluorescents for all exterior lighting. Disseminated DAGS memorandum on energy and other conservation measures.

DAGS energy projects:

- Installation of sinks with low-flow fixtures and sensor faucets
- Installation of low-flush and sensor-controlled toilets and urinals

- Replaced higher wattage lamps with the new super T-8 lamps changing the watts from 32 to 25 in retrofitted lighting fixtures
- Monitored lighting schedule in common areas and made adjustments accordingly
- Maintained delamped hallways
- Where practicable, Encouraged the use of desk lamps or other forms of task lighting in lieu of overhead lighting in areas where there is adequate natural lighting

The King Kalākaua Building has received the Environmental Protection Agency's (EPA) ENERGY STAR® Designation for the second year in a row.

**DHHL:** DHHL plans to circulate educational pamphlets to homesteaders and staff on water and energy-efficiency practices to encourage waste minimization and increase conservation.

**DHRD:** The department continues to encourage all employees to implement energy conservation practices. Examples include turning off hallway and elevator lobby area lights at the end of the day; and turning off copier machines and computers rather than leaving the equipment on sleep mode.

DAGS implemented the following water and energy conservation initiatives for the Leiopapa A. Kamehameha (LAK) building, which this department occupies: (a) installed window tinting to help keep the solar heat out of the building and reduce the air conditioning cooling load; and (b) installed a power management program on all computers to generate utility savings and reduce the amount of carbon dioxide emitted into the atmosphere.

**DHS:** DHS continues to issue water and energy conversation procedures for buildings and offices, in coordination with procedures issued by DAGS.

**DLIR:** DLIR will work with DAGS to incorporate some of the following conservation measures:

- Replace old toilets and sinks with low-flow fixtures (toilets and sinks).
- Replace old lighting fixtures.
- Request that DAGS Leasing Branch conduct energy efficiency analyses in privatelyleased buildings and work with landlords to replace old toilets, sinks, air conditioners, and lights.
- Replace light switches with motion sensors.
- Replace paper towel dispensers with hand blowers.

**DLNR:** The department installs low-flow fixtures (toilets and sink faucets) to replace older fixtures, which use more water, as department facilities are renovated. Additionally, some remote restrooms use composting toilets, which require very little water. The department has installed waterless urinals in some boat harbor improvements. Additionally in fall of 2010, the DLNR participated in DAGS' Energy Savings Performance Contract to generate utility savings through computer power management. This project was implemented through our IT office and installed desktop power management software in PCs in the Kalanimoku building.

Staff is reminded to turn off equipment when not in use, keep blinds closed, and report equipment malfunctions. Energy-efficient light bulbs are used where feasible and timed sensors have been installed to allow automatic shutoff of lights. Additionally, natural ventilation and lighting are used in most comfort stations/restrooms. When purchasing new equipment the department tries to purchase energy-efficient machines when available, such as energy-efficient copiers, etc. The

department also tries to remind staff to turn off computers and other appliances that are not in use or at the end of the day.

# DOA:

- 1. Continued to retrieve information electronically on gas consumption and odometer readings from DAGS Automotive Management Division, Tesoro and Hawai'i Petroleum. Continue to use vehicle refueling log for programs that have vehicles that refuel at places other than DAGS, Tesoro and Hawai'i Petroleum.
- 2. Continued to retrieve information electronically on gas consumption and odometer readings for each vehicle from DAGS Automotive Management Division, Tesoro and Hawai'i Petroleum.
- 3. Monitored and compiled kWh consumption data and cost for electricity for FY11.
- 4. Distributed DAGS memo requesting employees to conserve energy and to report any water waste from open faucets, leaky plumbing fixtures, and broken and/or inefficiently run irrigation systems.
- 5. Developed spreadsheet to compare FY 2011 data to FY 2008, FY 2009, and FY 2010 on electricity kWh consumption and percentage increase/decrease from previous year and distributed to program managers for their review and information.

**DOD:** Building Energy Monitor program established in 2008. Staff to report leaks ASAP. FY11, Several Water Efficient Landscape designs to progress. RTI (Waimanālo) and Bldg 1898 (Kalaeloa).

**DOE:** The DOE has an internal system that enables the comprehensive managing of all utilities – electricity, water, sewage disposal, and gas – for all schools through a central office with the anticipated goal to monitor and track utilities for high usage.

As of July 1, 2007 a School Energy Conservation Program has been in effect for all DOE schools. The Program takes a school's historical average of electrical energy use and compares this average to actual electrical consumption monthly. Adjustments are made to the historical average (baseline) to account for any new load changes such as new facilities, equipment, and/or energy conservation measures. Schools pay for ½ of the energy cost for energy consumption above the baseline and receive a "rebate" for ½ the energy cost energy consumption below the baseline biannually.

During the past year the department has met with ESCOs, UESCs, PPA, and UH (Sponsored Grants) entities to investigate the possibility of initiating programs for schools in the DOE.

- Energy Service Company (ESCO)-Utility Energy Services Contracts (UESC)-Power Purchase Agreements (PPA) Effort: Investigative work will continue in the areas financing energy conservation equipment retrofitting with the assistance of ESCO, UESC, and PPA.
- DOE Operations and Maintenance Best Practices: DOE internally will in the future hold internal meetings between offices and branches that will align and focus energy conservation efforts. This can include product (material and method) selection by committee based upon maintenance, performance, LEED, and cost benefits. This can be with further education and training for more efficient use of existing technology such as air conditioning and lighting controls, smart utility metering, sub-metering, etc.

- DOE School Best Practices: An investigation for identification of school equipment and/or operations that may best benefit energy conservation with the least amount of negative impact to school operations and functions will be reviewed. This will also include procurement and availability of energy-efficient products or products favoring LEED criteria. This can involve school scheduling and selection of facility use or setting of temperatures for air conditioners.
- Retro-Commissioning: Work has begun to implement "low cost" and "no cost" measures recommended in the retro-commissioning report completed for Ma'ili Elementary School in January 2011. The report describes existing operating conditions of the school's campus-wide chilled water air conditioning system, and recommends measures for improving equipment performance and efficiency. The report estimates that an annual 238,500 kWh of electricity can be saved when all measures in the report are implemented.
- A RFP for a photovoltaic project for schools on Kaua'i was posted in June 2011 and should be awarded to a vendor in the fall. The department is also engaging with utility companies on O'ahu, Hawai'i, and Maui to replicate what is being done on Kaua'i. During the past year the department has also met with an ESCO to investigate the possibility of initiating a program for schools in the 'Ewa complex.
- Partnership with University of Hawai'i, CTAHR as a sponsor for the application and approval of an Environmental Protection Agency (EPA) Grant that will focus on Best Practices for school landscape management. Approval for this Grant ("Irrigation and Nitrogen Best Management Practices for Sustainable Use of Natural Resources and Environmental Protection") allows for a total project funding of approximately \$150,000 that provides expertise in the areas of soil conditioning, water use, grass selection, etc. as a pilot study for three DOE schools on O'ahu. Also, as part of the 18-month grant, irrigation water benchmarking will be included, along with a sample food waste audit. The end goal is to determine how to "beautify" the school campus using the least amount of resources. Currently DOE expends \$4.5M for water use (est. \$2.25 for irrigation) and at least \$2M for tipping of garbage waste with food waste as a primary driver for daily disposals.

#### Immediate steps for conservation programs continue and are listed as follows:

1. Continue with implementation of LEED Silver for new and major construction projects.

2. Continue training for LEED New Construction and LEED for Schools as updated by USGBC.

3. Continue with installation of low-flow bathroom fixtures whenever fixtures require replacement.

4. All incandescent lamps will be replaced with compact fluorescent lamps (CFL).

5. Continue meetings with vendors seeking new energy conserving technologies.

Continuation with pilot (test) studies of new promising technologies.

6. Open discussion with the Board of Water Supply to seek innovation water conservation concepts, projects, and/or studies such as Irrigation Management Control System, plant species, drip irrigation, and captured rainwater.

7. A pilot project to recycle wet food waste from the cafeteria to pig farmers is being done to determine if it will have a significant collateral effect on the volume of refuse waste at Keone'ula Elementary School.

#### Immediate steps for school conservation (Electricity) are listed below:

• Set air conditioning so that the room temperature is 76 degrees.

• Air conditioning is not turned on until 7:00 a.m. or (if the air conditioning unit is turned on and off manually) until the room temperature reaches 74 degrees, which ever comes later, and turned off no later than 4:30 p.m.

• Use timers to turn off 75% of night lights between the hours of 10:00p.m. and 6:00a.m.

• Replace all appliances (refrigerators, microwave ovens, toasters, coffee makers, rice cookers, etc.) in classrooms and offices with ENERGY STAR® rated appliances. Personal appliances should be limited to no more than one of each on each floor of a building. All other personal appliances were removed by December 31, 2008.

• Purchase or lease only ENERGY STAR® rated computers, copiers, printers, and servers.

• Turn off computers, printers, and copiers at the end of the day.

• As of July 1, 2010, all schools are required to maintain their reduced electrical consumption levels. These levels established in 2009-10 with central chiller A/C systems have reduced their energy usage by 16%. All other schools have reduced their baseline by 6%.

#### Immediate steps for school conservation (water) are listed below:

• All schools and offices shall cut back on water usage by at least 10 percent. Water lawns early in the morning or late in the afternoon or evening.

• Timers on automatic sprinklers shall be adjusted to water the lawns on Sundays, Tuesdays, and Thursdays, either before 9:00 a.m. or after 5:00 p.m.

• Manually water lawns on Mondays, Wednesdays, and Fridays, either before 9:00 a.m. or after 5:00 p.m.

• Car wash fundraisers shall be curtailed.

• Flooding water beds or shooting down Lāna'i areas is highly discouraged.

• Planned development of a water usage tracking system that overlaps high water usage tracking system employed by the Board of Water Supply. This tracking system will identify slow developing leaks that can go undetected by BWS under their tracking system. Reduce water flow in bathroom faucets by turning down water pressure.

**DOH:** The DOH continues to limit air conditioning operation in its buildings to only core work hours. The DOH continues to limit overhead lighting operation in its buildings to only core work hours. Desk lamps must be used outside of these hours.

#### **DOT-Airports:** <u>ASSESMENT</u>

The Airports Division must try to minimize water usage, but must also be mindful of the time constraints on passengers. The airport is exempt from rules on low-flush toilets to accommodate high use and passenger time restrictions, but implements sensors for toilet flushing and sink use to keep from wasting water.

The Airports Division utilizes R-1 water where possible and non-potable water for landscape irrigation. As an example, Kona International Airport at Keāhole uses the effluent from their Wastewater Treatment Plant for irrigation, while Honolulu International Airport uses non-potable water from the Sumida Watercress Farm for irrigation.

At Honolulu International Airport and Dillingham Airfield, the Airport has a Contract with an outside firm to provide monitoring of the water system so leaks can be found and repaired quickly to keep from wasting water. Meters are also read and checked against prior usage to see if there is a spike in water usage, which may indicate a problem.

#### **STRATEGY**

The airports must try to conserve energy usage, but must also be mindful of the comfort level of the passengers and workers.

At Honolulu International Airport, there is an Energy Monitoring and Control System (EMCS) to turn off lights in areas that are not in use and reduce or eliminate air conditioning in these same areas.

Current project: Air Conditioning Modifications, Phase II, Overseas Terminal Chiller Plant, Honolulu International Airport. Project Number: AO1107-18. The project is under construction, completed approximately 90%. Schedule to be completed by end of 2011. Anticipated receiving HECO rebate, estimate of \$250,000. The new energy-efficient equipment is part of the new Chiller Plants / loop System which will enable chillers to be shut down during low utilization periods and to operate on fewer chillers, but at a higher efficiency.

At Kona International Airport at Keāhole, plans are continuing for the use of cold "deep sea" water for chilled water for cooling enclosed areas.

DOTA has been working with Highway, Harbors, Foreign Trade Zone and University of Hawai'i to contract Power Purchase Agreement (PPA) of PV system over existing facilities. Currently, the awarded PPA locations in Design phase include Lāna'i Airport, Kona International Airport, Waimea Kohala Airport, and other facilities. See attached sheet for details.

#### **DOT-Harbors:**

Water efficiency:

- Check for and fix leaks as soon as possible.
- Install low-flow toilets, low-flow shower heads and faucet aerators as practical.
- Install timers or require staff to conduct irrigation and watering of plants during early morning or evenings to reduce water lost to evaporation. Adjust watering time down to the minimum required to keep green growth on landscape areas.
- Develop program milestones to encourage 100% implementation over a period of time.

Energy efficiency:

- Install timers onto HVAC and/or motion detectors onto lighting systems and other equipment facilities as appropriate.
- Install tinting to windows and glass doors as appropriate.
- Monitor lighting levels and use natural window/skylight lighting when sufficient.
- Turn off lights in room not in use.
- Develop program milestones to encourage reduction of energy consumption over a period of time.

# **DOT-HWY:**

The Highways Division conservation measures include:

- Using electronic documents where possible to eliminate the need for paper.
- Working with the construction industry to incorporate the use of recycled products in pavement construction without losing pavement quality.
- Encouraging double-sided printing from copiers and printers as practical.
- Set provisions for recycling white paper and corrugated cardboard at the main office building.

**DOTAX:** DAGS is currently implementing the following energy saving initiatives in the Keelikōlani Building:

- Infrastructure work for air conditioning controls (routing DDC communication cables in ceilings and air handle rooms) is currently being performed. This is part of DAGS' Energy Savings Performance Contract.
- Window tinting was installed to the inside of all windows in March. It helps keep the solar heat out of the building, thus reduce the AC cooling load.

**FTZ:** The FTZ, in conjunction with DOT-Airports, has completed a solicitation and is in negations to install a 550-kW photovoltaic system on the roof if it's five-acre facility. When completed, this PV system will provide approximately 70% of the Zone's energy needs and effectively reduce the FTZ's energy costs to zero for the following twenty (20) years.

The FTZ converted essential warehouse lighting over to CFL bulbs, which effectively reduced the necessary lighting down to just eight (8) high-efficiency CFL bulbs used for security purposes.

The FTZ installed two 40-ton chiller units and one 50-ton unit eight (8) and five (5) years ago, respectively. These units were purchased and installed based on a 2001 Energy Feasibility Study of the Foreign-Trade Zone's needs prepared by Global Engineering & Construction, LLC. Approximately forty (40) new individual air conditioning units with high efficiency motors were purchased and installed in 2007 which were also based on the 2001 Energy Feasibility study for the Foreign-Trade Zone. The FTZ uses only T8 fluorescent lights in its administrative and tenant offices.

**HCDA:** HCDA installed a surfactant injection system within Kaka'ako Waterfront and Makai Gateway parks that should result in savings of water consumption of up to 60%.

**HHFDC:** All Property Management Companies and Individual Project Managers have been advised of the Department of Water Supply recommendations for watering hours and duration. As a precaution to insure all this is adhered to HHFDC Property Management Coordinators review each water bill submitted for reimbursement. Gallon usage is monitored to observe any unusual up-spike, not associated with an increase in residency.

Additionally, and nothing new is that each new resident is informed upon checking-in for tenancy that water is a common area expense and should not be wasted. It is explained to them that this expense has a direct relationship to any future rent increase.

Other ways to expand our reduction of waste and increase our conservation measures are simple.

- 1) Perimeter offices are asked to use natural light whenever possible.
- 2) Requested that everyone turn off their computer and monitor at the end of each day and when not in use for long periods of time during the day (at least set up to hibernate).
- 3) Perimeter window glass has been recoated with a more reflective tint coating.
- 4) Restroom and Lunchroom tri-fold paper towels have been replaced with battery operated roll paper dispensers (material cost savings).
- 5) Replaced Pohulani Elderly's swimming pool heat pump with a new more efficient model.

**HHSC:** HHSC facilities continue to replace existing water closets with low water flush water closets whenever possible.

**HPHA:** Agency utilizes low-flow water closets and showerheads where cost-effective and requires the use of CFL light fixtures

**HSPLS:** HSPLS is working with DAGS, Public Works Division and its Central Services Division to implement many energy efficiency projects. DAGS on our behalf has completed window tinting projects for dozens of libraries statewide to reduce heat gain. DAGS is constructing or has completed construction of six photovoltaic system projects at the following public libraries: Waimea and Hanapepe on Kaua'i; Wai'anae and 'Āina Haina on O'ahu; Kahului on Maui; and Kailua-Kona on Hawai'i Island. They are also completing the investigation phase retro-commissioning projects for a number of libraries on various islands. The benchmarking of public buildings as required in Act 150, SLH 2009 is also included with these retro-commissioning projects using the ENERGY STAR® portfolio management or equivalent tool for all public libraries meeting these criteria.

**HTA-CC:** Emphasis in both water conservation and conservation of energy are daily practices at the Hawai'i Convention Center.

Water conservative drip irrigation was recently installed in September 2011 in two large interior landscape planters, to replace the traditional sprinkler irrigation that was there previously. The Landscaping department also monitors weather and rain conditions on an ongoing basis to amend the exterior landscaping as needed, without leading to overwatering.

All air conditioning units and their ancillary equipment are part of a computer programmable system that regulates the building usage, by nodes and sections. Lighting is also controlled through a similar programmable computer system. When areas of the facility are not in use, those areas can be programmed "off" in order to conserve electricity. When event groups are in the building, specific area needs can be isolated and necessary air conditioning and lighting is in operation to minimize the electrical footprint. The staff is well educated on the conservation of cooled air, and makes every effort to work with the event client to limit the amount of doors kept open for periods of time. Large-scale fans have also been installed in the Lobby foyer in order to keep air flow in motion to supplement the air conditioning systems, rather than unnecessarily turning down the air conditioning temperature settings.

Variable frequency drives (VFDs) are currently being added to a fan motor system that operates on our dock area, which will provide intermittent operation of the fan motors, rather than a continuous power supply that is not necessary.

In addition back in 2007, lighting retrofits and replacement bulb and ballast packages were installed in the exhibition halls, ballrooms, administrative areas, parking garage, and the fire stairwells, which have also resulted in reduction of energy usage over time.

**PSD:** The Guaranteed Energy Savings Agreement mentioned earlier is a start in the right direction for PSD. Eventually, all other facilities will be involved.

#### UH: ASSESMENT

• UH Hilo – New construction includes dual flush valves on the toilets (1-gallon for grey water, 3-gallon for brown solids). All the faucets and showers have low-flow heads. Existing facilities have been and are continuing to be converted to these same low use devices in campus restrooms, locker rooms and dormitory shower facilities. The campus does not irrigate the

landscapes as Hilo's rain forest climate average 140" rain a year. Only new installations are temporarily irrigated until the plants are well established.

- UH West O'ahu No new plans
- Hawai'i CC Cafeteria, replace old walk-in refrigerators/freezer, new awning windows, AC split system. Electronics, replace old chiller with AC split system. Campus-wide delamp light fixtures. Sub-meter four shops and two portable buildings to monitor electrical costs.
- Honolulu CC Plans to sub-meter the irrigation system, phase-1 in construction. Replace toilets, urinals, and lavatory fixtures with low-flow type valves and moderators.
- Kapi 'olani CC Sub-meter the irrigation system in construction. Replace toilets, urinals, and lavatory fixtures with low-flow type valves and moderators.
- Leeward CC Currently in planning stages of a rainwater recovery system whereby the campus would convert an existing dive tank pool to a water catchment basin to irrigate the lower campus; and plans to sub-meter the irrigation system. Replace toilets, urinals, and lavatory fixtures with low-flow type valves and moderators.
- Kaua'i CC Plans to replace toilets, urinals, and lavatory fixtures with low-flow type valves and moderators.
- UH Maui College Installed waterless urinals in the Student Center building. Have installed dual flush toilets in its Nursing building. The College is in negotiation with an Energy Service Company to install a wide range of efficiency systems which include efficient plumbing fixtures, waterless urinals, etc, campus wide.
- Windward CC Sub-metered cooling towers and campus irrigation system. Replace toilets, urinals, and lavatory fixtures with low-flow type valves and moderators. Planning to upgrade and repair the Agriculture's turf management program with more efficient irrigation systems.
- UH Mānoa Continues to perform between \$20 million and \$40 million in energy retrofits per fiscal biennium as funding permits. These retrofits have allowed UH Mānoa to achieve an average annual consumption reduction of 6% per year since FY 2006.
- UH Mānoa Continues to operate the UH Mānoa "Green Days" program which shuts down participating building HVAC systems during weekends and holidays which reduces the total annual usage by over 1%.

#### STRATEGY:

The University of Hawai'i systemwide will continue to implement water conservation and energy efficiency practices in operations through its repairs and maintenance programs.

## Act 96 SLH 2006: Buildings and Facilities

(5) Incorporate principles of waste minimization and pollution prevention, such as reducing, revising, and recycling as a standard operating practice in programs. This includes programs for waste management in construction and demolition projects, and office paper and packaging recycling programs.

**AG:** All purchasing staff has been advised to first consider recycled materials, especially paper, when reviewing and processing purchase requisitions. AG's offices continue to utilize the recycle bins in the copier rooms, and within each division boxes are provided for recycling paper. Staff has also been trained to save and transmit documents electronically, whenever possible. This past May the department, along with Tax and Labor, hosted a recycling event to dispose of broken furniture and recycling materials at no cost to the State. The recycler, Schnitzer Steel Hawai'i Corp., will submit a check, which will be deposited into general funds, to the Department of Taxation for the value of metal and other materials recycled during the event.

**B&F:** The Department participates in an office paper recycling program.

**DAGS:** DAGS has incorporated into its Design Consultant Criteria Manual boiler plate language for construction waste management for LEED projects. DAGS-CSD notes that for incorporation of principles for waste minimization and pollution prevention, programs are in place at 13 state office buildings serviced by DAGS for the recycling of white paper and cardboard.

**DBEDT:** DBEDT promotes the Lead By Example Resource Efficiency Checklist to agencies that are implementing programs to reduce energy, water and waste in their offices and building operations. The program uses checklists which also serve as a tool to guide agencies toward greener office practices, systems and products.

DBEDT facilities in the Capitol District offer paper, newspaper, cardboard and beverage container recycling.

# DCCA:

- Blue recycle bins are used to facilitate paper recycling in the department. Recycled paper is picked up weekly by a vendor contracted through DAGS.
- The department has disseminated information on e-waste recycling facilities and will take advantage of another disposal event sponsored by UH if available.

**DHHL:** Staff has been encouraged to recycle office paper and other recyclables whenever possible. The Land Development Division is encouraged to incorporate waste management programs in their development/construction contracts to minimize waste and pollution prevention.

**DHRD:** The department recycles office paper, cardboard boxes, used printer cartridges, and telephone books. This year, a project team made up of staff from the Departments of Human Resources Development (DHRD), Budget and Finance, and DAGS-Information and Communications Services Division joined forces to streamline the process of tracking employee payments for various benefit programs administered by DHRD. Through the combined efforts of the project team, they were able to eliminate the need and cost to generate and transport the reams of report output required to track proper payment disbursements related to the benefits programs.

**DHS:** DHS continues to implement waste minimization and recycling procedures, consulting with the appropriate agencies such as DAGS and DOH.

# **DLIR:**

- Divisions are making it a practice to schedule regular recycling of paper
- Recently, DLIR participated in a recycling project (Aloha 'Āina Earth Day) to dispose old equipment. All money generated from the recyclable waste was deposited to the State Treasury.
- DLIR will continue to look for ways to reduce waste and recycle wherever possible.

**DLNR:** DLNR encourages its staff to implement office paper, computer equipment, printer ink cartridges recycling, and such a program as are in place. DLNR has begun to incorporate energy savings practices into design projects such as the recycling of existing asphalt and concrete pavement into backfill material.

## DOA:

- 1. Continued to work with DAGS to have Island Recycling on O'ahu pick up two bins of white paper once a month that employees place in recycling bins.
- 2. Continued to collect empty soda cans for recycling.

**DOD:** Executive Order 13514 mandates increased waste diversion and pollution reduction. In FY11, TEC Inc. revamped HIARNG's Integrated Solid Waste Management Plan. A prior FY03 ISWMP is outdated. Recycle bins and areas are located at major sites.

**DOE:** Construction projects which incorporate LEED standards require strategies for waste management and recycling of construction materials. The recycling of office paper and packaging is being explored, however, the additional cost of such programs do not make recycling feasible at this time due to budget restrictions. More schools on O'ahu, however, participated in the Honolulu City and County community recycling bin program for 2011. In addition, schools are incorporating recycling activities into their fundraising programs. The department is also exploring the option of recycling food waste to pig farmers through a pilot project at Keone'ula Elementary School. A zero-waste pilot project is also being initiated at Kalani High School. This pilot project aims to recycle all recyclable waste to minimize the school's waste stream. These schools are also exploring the feasibility of compacting trash to reduce the overall refuse volume going to the landfills. Schools are also establishing "Green Clubs" which promote the three R's of sustainability: reduce; reuse; and recycle.

**DOH:** The DOH continues to promote recycling in all of its offices.

**DOT-Airports:** The Airports Division has implemented a statewide dedicated unit for environmental compliance. This consists of Environment Health Specialists located at the major airports (Honolulu International Airport, Kona International Airport at Keāhole, Kahului Airport and Līhu'e Airport) to ensure compliance with all environmental regulations and provide training to tenants and employees with regards to environmental regulations.

In most of the terminal renovation or maintenance projects specification has included Construction Waste Management Section 01524 as part of the General Requirement Standard Specification. This has been part of the contract requirement for contractor to recycle construction waste.

At all airports, we recycle white paper and cardboard and monitor the amount recycled. Glass, newspaper, plastic and aluminum recycling is made difficult by security regulations at airport locations but recycling programs are in place at all our major airports.

## **DOT-Harbors:**

- Reduce printing emails, reduce faxes, reuse one-sided printings.
- Require double-sided printing from copiers and printers as practical.
- Recycle all recyclables as practical. Provide recycling bins for aluminum cans, bottles, plastic and papers where convenient.
- Develop program milestones to encourage 100% implementation over a period of time.

## **DOT-Highways:**

- Using electronic documents where possible to eliminate the need for paper.
- Working with the construction industry to incorporate the use of recycled products in pavement construction without losing pavement quality.

- Encouraging double-sided printing from copiers and printers as practical.
- Provisions for recycling white paper and corrugated cardboard at the main office building.

**DOTAX:** This past May DOTAX, along with Dept. of Labor and Attorney General, hosted an Aloha 'Āina recycling event to dispose of scrap metal from non-freon appliances, computers and monitor, printer cartridges, newspaper, telephone books, broken furniture and other recycling materials at no cost to the State. The recycler, Schnitzer Steel Hawai'i Corp., will submit a check, which will be deposited into general funds, to DOTAX for the value of metal and other materials recycled during the event.

**FTZ:** The FTZ recently began a cardboard recycling program where tenants and Zone users can place their cardboard boxes and shipping materials in a designated recycling area. This measure has effectively reduced the FTZ's solid waste refuse volume by forty (40) percent. The FTZ also recycles cans and newspapers. These recyclable products are captured in designated containers throughout the Zone and taken to the recycle center once a quarter.

**HCDA:** HCDA has incorporated recycling of bottles, cans, plastic and paper within its office. In demolition projects, contractor is encouraged to separate and recycle materials whenever practical. During fiscal year, HCDA relinquished one of its state vehicles. At Kewalo Basin harbor, HCDA has established protocol for spills that pose danger of entering the harbor and stenciled the storm drains.

**HHFDC:** Trash / refuse collection is based on volume. Each contract is based on the size of collection bins, the number of bins and the number of collections per week. Collections are constantly monitored for overage charges. Whenever possible, dry waste is removed from bins to allow for the dumping of odorous waste. Not all bins are filled for pick up each time this is monitored. All shipping container boxes are flattened and disposed of accordingly. Most importantly is the fact that each tenant is reminded of minimizing waste products upon their initial registration and upon completion of their Annual Unit Inspection (AUI). Maintenance staff personnel are trained to spot waste and pollution, to report it and if able to, take immediate steps to correct the situation. HHFDC feels that knowledge is a great weapon against waste and pollution.

## **HHSC:**

- **Samuel Mahelona Memorial Hospital** No construction is currently taking place at SMMH. We currently have a cardboard recycling program and work with the county when recyclable or other than recyclable waste can be disposed of. We also have a confidential paper recycling program in place.
- O'ahu Region The O'ahu Region facilities have implemented recycling as standard operating practice.
- West Kaua'i Medical Center Currently, has a cardboard recycling program and works with the county when recyclable or other than recyclable waste can be disposed of. The center also has a confidential paper recycling program in place.

HPHA: Provides monthly waste paper recycling program for central offices.

**HSPLS:** HSPLS participates with DAGS' recycling program for office paper and cardboard pickup for all our libraries and offices. The two new library projects mentioned in (1) include waste management as a major component in achieving LEED certifications.

**HTA-CC:** The Hawai'i Convention Center continues to have an extensive recycling program for both administrative areas and events.

Separate trash and recycling receptacles are placed throughout the facility, in both public areas and in the administrative offices and back-of-house areas. Items regularly collected for recycling include paper, cardboard, plastic, aluminum, glass, telephone books, foam core boards, toner cartridges, computer e-waste, pallets, and construction waste.

In addition, there is a partnership with show management to maximize the recycling of event material, packaging, and exhibits. When there is an associated food service component, donations of the excess food are made to charitable organizations.

Purchasing decisions support sustainable practices from cradle to grave, such as purchasing product in bulk to minimize individual packaging and participating in the redistribution asset management program with the State of Hawai'i for re-use of materials that would otherwise be discarded.

**NELHA:** No action in this area this year.

**PSD:** The prisons and jails are working diligently to develop individual facility programs e.g. they have replaced the fluorescent lights with ones for greater efficiency; they have replaced boilers and washing machines with more energy-efficient ones; and they have reduced the water heads for showers to more efficient ones. At the same time, Noresco is working at Halawa and O'ahu Community Correctional Center to improve energy efficiency, and this will be the model for other facilities.

UH:

• **UH Hilo** – The campus actively reuses waste paper for internal non-official communications. UH system has adopted a policy that all communication with student is by email, greatly reducing the paper mail being generated and sent.

The campus has a new and active MIXED recycling process, where all types of paper, plastic #1, 2, 5, clean metal cans, glass are all recycled versus taken to the landfill. The old program involved SORTED recycling, and the new mixed recycling process should more than double the amount of recycled to an estimated 132,000 cubic feet of waste now being diverted from the landfills.

Also the campus has an active beverage redemption program where HI-5 containers are collected and managed by the student clubs and service organizations on campus.

The University's practice is to buy recycled goods that meet the EPA's current guidelines, including reduction in packaging and buying in bulk quantities where practical.

UH Hilo just completed another round of e-waste recycling, sending back 9 pallets of computers at an estimated weight of 4,500 pounds.

- **UH West O'ahu** The faculty, staff and students do an informal voluntary recycling of HI-5 aluminum cans and plastic bottles that are recycled by the janitorial staff. UHWO continues to recycle white and mixed color paper collected in the mailroom.
- **UH Maui College** College is working on becoming a member of ASHRAE. UH Maui College has installed recycling stations campus wide.
- Leeward CC Campus-wide paper recycling program initiated during the 2009-10 academic year with the placement of paper recycling containers and bins in every office and classroom
across campus. Also, a solid waste compactor will be installed to reduce construction and solid waste.

- Windward CC- In the new Library Learning Commons building, there will be a recycling station for materials on campus that can be recycled.
- Honolulu CC- Hi-5 and paper container has been stationed on campus to minimize waste. Also, a solid waste compactor will be installed to reduce construction and solid waste.
- Kapi'olani CC- A solid waste compactor will be installed to reduce construction and solid waste.
- Hawai'i CC Campus wide paper, cardboard, and HI recycling program.
- UH Mānoa On-going campus –wide recycling and program that recycles cans, plastics, paper products, and green waste reducing the total waste-stream by 37%.

# Act 96 SLH 2006: Buildings and Facilities

(6) Use life cycle cost-benefit analysis to purchase energy-efficient equipment such as ENERGY STAR® products and use utility rebates where available to reduce purchase and installation costs.

**AG:** All staff involved in purchasing equipment have been advised of the ENERGY STAR® program and must document reasons for not purchasing ENERGY STAR®, when available.

**B&F:** The Department will include the use of life cycle cost-benefit analysis where applicable.

# **DAGS:**

- 1. Mechanical equipment (i.e. A/C, pumps, etc.) have long been required by DAGS to be of the high efficiency type and utility rebates have been used to help offset installation and higher pricing costs for the energy-efficient products. In FY 2008, DAGS worked with HECO to improve internal procedures to insure utility rebates are not missed and currently have those procedures in place.
- 2. DAGS considers cost/benefit analysis for replacing existing A/C systems with new, more efficient, systems even prior to the existing systems reaching their expected life span.
- 3. ENERGY STAR® equipment, where available, will be a standard requirement for all construction.

**DBEDT:** DBEDT has and continues to advocate for ENERGY STAR® Product Awareness and Procurement, which includes the following activities:

- Providing technical assistance to housing, local government, state and/or federal agency representatives in purchasing ENERGY STAR® products.
- Promoting other training opportunities such as on-line ENERGY STAR® webcasts in areas such as ENERGY STAR® Procurement and Products, and Computer Power Management.

**DCCA:** DCCA uses life cycle cost-benefit analysis to evaluate computer equipment purchases such as servers and PCs. The department continues its practice of purchasing ENERGY STAR® products for all available computer equipment, and as applicable will purchase ENERGY STAR® products when replacing office equipment.

**DHHL:** Fiscal Office and staff involved in purchasing equipment for the office and development projects are encouraged to look at ENERGY STAR® products and use rebates

where available to reduce purchase and installation costs. Furthermore, our new development, Ka'ūpuni Village, is built with the latest ENERGY STAR® appliances available.

**DHRD:** The department uses the State Procurement Office price/vendor lists for procurement of most of its equipment. Copiers that are leased and computers that are purchased are ENERGY STAR® products.

**DHS:** DHS procurement procedures include requirements for purchasing energy-efficient products such as ENERGY STAR®, and as applicable will utilize available utility rebates.

**DLIR:** The DLIR programs are required to purchase ENERGY STAR® products and will continue to check whether utility rebates are available and can be utilized in the purchase of the products as part of the procurement procedure/policy.

**DLNR:** DLNR uses life cycle cost-benefit analysis to purchase energy-efficient equipment such as ENERGY STAR® products, and uses utility rebates where available to reduce purchase and installation costs.

**DOA:** ASO sent reminder to staff of department's Energy and Water Conservation and Resource Efficiency Program which provides policies, guidelines, and practices with goal to minimize energy, fuel, and water consumption and implement resource-efficient operations including purchasing energy-efficient equipment such as ENERGY STAR® products and use utility rebates where available.

**DOD:** Per federal mandates, all equipment is specified ENERGY STAR® rated or energy efficiency equivalent.

**DOE:** The DOE is encouraging all schools and offices to purchase ENERGY STAR® or any energy-efficient alternative equipment that passes life cycle cost-benefit analysis. The DOE applies for and receives utility rebates for various energy-efficient equipments being installed during construction projects. The total rebates the DOE received for equipments installed during FY 2010-2011 was about \$234,853 with an annual kWh reduction of 1,780,297. DOE will continue to seek utility rebates for on-going project work and seek establishment of utility rebates for new energy-efficient technologies.

**DOH:** The DOH only purchases ENERGY STAR® products in all of its construction projects.

**DOT-Airports:** Energy efficiency in equipment is always a requirement practice in Cooling Towers, Chillers and other HVAC, Elevators, Escalators, Mechanical and Electronic equipment at all airports. Construction projects which have mechanical and electrical equipments are required to be energy-efficient products.

All appliance specifications and purchases are required to be the energy-efficient type such as ENERGY STAR® products whenever it is available.

**DOT-Harbors:** DOT-Harbors trains staff on life cycle cost analyses and on available ENERGY STAR® technologies and replaces existing equipment with comparable ENERGY STAR® equipment.

**DOT-Highways:** The Highways Division continues to install energy-efficient traffic signal lamps in new installations or when traffic signals are modified and has programmed the replacement of computer equipment with ENERGY STAR® compliant equipment.

**DOTAX:** DOTAX uses life cycle costs to evaluate equipment procurements and will use utility rebates where available to reduce purchase and installation costs.

**FTZ:** The FTZ purchased six new energy-efficient computer systems over the past two years, replacing older, less efficient models. The FTZ is also in the process of procuring an updated copier printer which will replace a less efficient model.

**HCDA:** HCDA has instructed property manager in projects where HCDA is general partner to replace light fixtures, air conditioners, stoves and refrigerators with energy-efficient fixtures.

**HHFDC:** As stated in previous years, all of the property management staff in-house and vendors have been informed of the benefits of ENERGY STAR® products. All appliances installed in residential apartments have the highest ENERGY STAR® rating possible. This stipulation has also been placed in laundry vendor contracts; that all machines need to be ENERGY STAR® rated since all power used is a direct operating expense. Within HHFDC's office operations, only ENERGY STAR® rated office equipment are procured.

### HHSC:

- Samuel Mahelona Memorial Hospital SMMH currently purchases ENERGY STAR® products when applicable such as window a/c units and appliances.
- O'ahu Region The O'ahu Region has incorporated in its procurement process the acquisition of ENERGY STAR® products and other energy saving equipment whenever possible.
- West Kaua'i Medical Center WKMC currently purchases ENERGY STAR® products when applicable such as window a/c units and appliances.

**HPHA:** Project engineers require the use of Energy Star appliances. Currently in procurement for proposals to furnish professional energy performance contracting consultant services which will assist the agency in identifying and benefiting from rebates where available.

**HSPLS:** HSPLS, in working with DAGS, has always used life cycle cost-benefit analysis for replacing all of our air conditioning systems with more energy-efficient ones (including ENERGY STAR® products) sometimes even prior to these older systems reaching their expected useful life span. HSPLS continues to work very closely with DAGS and all the utility companies across the State to insure that all available rebates are not missed and are processed as quickly as possible. These rebates are applied against all related future utility and servicing costs.

HSPLS utilizes ENERGY STAR® products where applicable and practical at all of our public libraries and facilities.

**HTA-CC:** The lighting change-out project discussed in #4 above contained the installation of ENERGY STAR® products in the exhibition halls, ballroom, administrative areas and fire stairwells. When new equipment purchases are evaluated, ENERGY STAR® ratings are considered in the cost-benefit analysis.

Currently in engineering design is a project to install variable frequency drives (VFDs) to a water treatment pumping system for the waterfall feature in the Lobby. This project will qualify for HECO incentive rebates, as there is not currently VFDs in place for operation of the pumps.

**NELHA:** New computers were ENERGY STAR® rated.

**PSD:** Like item (5) above, this measure is also a work-in-progress. PSD recently bought an energy-efficient dishwasher for Waiawa and plan to replace any equipment in prisons and jails with more energy-efficient models. All correctional facilities, as well as other PSD operational programs, are being encouraged to take full advantage of potential energy savings being offered by energy-efficient equipment.

# UH:

- UH Hilo Continue to work with HELCO in their rebate program to purchase energy-efficient air-conditioning and lighting through the campuses repairs and maintenance programs. The campus practice is to decommission old inefficient refrigerators, air conditioners, ice makers, dehumidifiers, and replace these products with energy-efficient models that meet the ENERGY STAR® criteria.
- **UH Maui College** The College has implemented a campus policy that requires all programs to purchase "ENERGY STAR®" rated equipment or appliances. Relamping existing lighting throughout the campus to energy-efficient lamps/bulbs with occupancy sensors and installing energy management controls to all AC equipment.
- Windward CC Energy-efficient equipment are being purchased to replace non-efficient ones. Rebates have been received as a result of this concerted effort. Relamping existing lighting throughout the campus to energy-efficient lamps/bulbs with occupancy sensors and installing energy management controls to all AC equipment. PC monitor control software and vending machine controls.
- Kapi'olani CC Relamping existing lighting throughout the campus to energy-efficient lamps/bulbs with occupancy sensors and installing energy management controls to all AC equipment. PC monitor control software and vending machine controls.
- Leeward CC Relamping existing lighting throughout the campus to energy-efficient lamps/bulbs with occupancy sensors and installing energy management controls to all AC equipment. PC monitor control software and vending machine controls.
- Honolulu CC Relamping existing lighting throughout the campus to energy-efficient lamps/bulbs with occupancy sensors and installing energy management controls to all AC equipment. PC monitor control software and vending machine controls.
- Kaua'i CC ending contract for relamping existing lighting throughout the campus to energyefficient lamps/bulbs with occupancy sensors and installing energy management controls to all AC equipment.
- UH Mānoa in FY 2011 UH Mānoa received over \$100,000 in HECO rebates from the installation of energy-efficient HVAC and lighting equipment.

# STRATEGY:

The University of Hawai'i systemwide will continue to apply the LEED rating system in all Capital Improvement Program new and major renovation projects

# Act 96 SLH 2006: Buildings and Facilities

(7) Procure environmentally preferable products, including recycled and recycled-content, biobased, and other resource-efficient products and materials.

This section does not apply to the following agencies: HCDA

**AG:** Recycled paper is required, unless previously approved by the Administrative Services Office. Staff is aware of the policy to utilize environmentally friendly products; however, there is very minimal use of hazardous materials within the department.

**B&F:** The Department currently purchases environmentally preferred products as contained in the SPO price lists.

**DAGS:** The State Procurement Office (SPO) continues to provide to Executive Departments, and other chief procurement officer (CPO) jurisdictions (DOE, OHA, HHSC, Judiciary, Legislature), including the counties, SPO Price and Vendor List contracts utilizing ENERGY STAR®, recycled, or environmentally preferred products (EPP). Prior to re-solicitation for new contract terms, assessments of current contract specifications and review of market availability are conducted to ensure energy-efficient products and supplies are made available through the SPO Price and Vendor lists such as:

- WSCA Facilities Maintenance Repair & Operation (MRO) Price List #11-10 offering green products such as cleaning products with the Green Seal or equal certification;
- SPO Price List #10-08 disposable polyethylene bags, including biodegradable bags;
- SPO Price/Vendor List #11-07, Office Supplies and Printer Cartridges offering recycled paper and paper products, remanufactured printer cartridges.

For products and supplies not covered by SPO Price and Vendor list, purchasing agencies are required to utilize the following preferences:

- Recycled Products, HRS §103D-1005
- Biofuel preference, HRS §103D-1012
- Preference for oil products with greater recycled content, HRS chapter 103D, Part XIII

**DBEDT:** DBEDT continues to encourage compliance with, and other encourage agencies to comply with, environmentally preferable purchasing guidelines set forth in Ch 196-9, HRS.

DBEDT procured office and copy paper with 30% post-consumer recycled content, and other office products with recycled content.

DBEDT worked with the UH Mānoa in developing the <u>2011 Environmental Product Guide</u> to be available online next year.

DBEDT disseminates the results of an Environmentally Preferable Purchasing (EPP) survey conducted annually by the Department of Health via the Lead By Example report to improve awareness of purchasing patterns between agencies. In 2010 EPP among state agencies lead to greenhouse gas savings equivalent to removing approximately 93 passenger vehicles from

roadways for one year and energy savings equal to conserving about 17,188 gallons of gasoline in a year.

**DCCA:** DCCA purchases energy-efficient ENERGY STAR®, recycled, or environmentally preferred products, and supplies available through the SPO Price and Vendor lists whenever possible including recycled-content paper and other non-paper goods.

**DHHL:** The Fiscal Office has been requested to look into buying environmentally preferred products and material whenever available.

**DHRD:** The department purchases environmentally preferable products as contained in the State Procurement Office price/vendor lists. Office paper and toner cartridges are examples of items purchased that are recycled content products.

**DHS:** DHS continues to coordinate with the State Procurement Office (SPO) to ensure that price list products satisfy environmentally preferable product requirements.

**DLIR:** The DLIR coordinates with the State Procurement Office in the purchase of environmentally preferable products including recycled and recycled-content, bio-based, and other resource-efficient products and materials.

**DLNR:** DLNR encourages the use of recycled products with contractors. DLNR also adheres to the allowed 10% price preference for bids using recycled products in accordance with Section 103D-1005, Hawai'i Revised Statutes.

#### **Division of Aquatic Resources (DAR)**

DAR purchases and uses biodegradable soaps. In particular, DAR uses these products in the Northwest Hawai'ian Islands, where there are strict policies on this and any other discharge of durable wastes.

**DOA:** ASO sent reminder to staff of department's Energy and Water Conservation and Resource Efficiency Program which provides policies, guidelines, and practices with goal to minimize energy, fuel, and water consumption and implement resource-efficient operations including promoting 4 Rs – reduce, recycle, reuse and re-buy, and encouraging use of the Department of Business, Economic Development and Tourism Environmental Product Guide for listing of environmentally preferred products. HDOA purchased only recycled copy paper.

**DOD:** Per mandates, environmental preferable products are specified.

**DOE:** Recycled copier paper is an option for schools to purchase. Joint effort with DBEDT for pilot testing of environmentally preferable cleaning products has resulted with testing at one school. More effort is planned to introduce more testing at more locations with eventual changes to cleaning products procurement as determined effective.

**DOH:** The DOH continues to promote this practice.

**DOT-Airports:** The Airports Division purchases their products through the State procurement system, but will consider the "Green Seal" products first.

**DOT-Harbors:** DOT-Harbors implements said procurement, uses recycled copier paper, and develops program milestones to encourage 100% implementation over a period of time.

**DOT-Highways:** The Highways Division has been working with the construction industry to incorporate the use of recycled products in pavement construction without losing pavement quality.

**DOTAX:** DOTAX coordinates with the State Procurement Office in the purchase of environmentally preferable products including recycled and recycled-content, bio-based, and other resource-efficient products and materials.

**FTZ:** All paper products to include copy and bond paper, paper towels, toilet paper, et al are purchased through the State Bid List and contain the recommended post consumer content.

**HHFDC:** As a standard practice, at all HHFDC multi-family housing projects and within the HHFDC office operations, whenever possible e-products are used for all janitorial and cleaning evolutions. In these same evolutions, the paper products consumed are generally of the 30% recycled category. As a standard practice, all of the office paper and supplies are looked at for their effort to afford sustainability of HHFDC facilities. All of the paper used is of the 30% recycled category.

# **HHSC:**

- **Samuel Mahelona Memorial Hospital** Currently has a cardboard recycling program and works with the county when recyclable or other than recyclable waste can be disposed of. A confidential paper recycling program in place.
- **O'ahu Region** The O'ahu Region has incorporated in its procurement process the acquisition of environmentally preferable products whenever possible.
- West Kaua'i Medical Center Currently has a cardboard recycling program and works with the county when recyclable or other than recyclable waste can be disposed of. A confidential paper recycling program in place.

**HPHA:** Agency is developing language for all procurements to request environmentally preferable products.

**HSPLS:** HSPLS has started procuring and utilizing environmentally preferable products where practical and applicable at all public libraries and facilities.

**HTA-CC:** The Hawai'i Convention Center continues to strive for increasing the inventory of Sustainable products in procurement. The chemical inventory of cleaning products is also evaluated regularly for new environmentally friendly products. Current examples of environmentally preferable products are napkins made from 100% recycled fibers, hot beverage cups that are paper compostable made with renewable resources, and office paper that has the stamp from the Sustainable Forestry Initiative and is acid-free.

**NELHA:** Used state bid list for resource-efficient purposes.

**PSD:** PSD utilizes the price lists issued by the State Procurement Office for its requirements for Office Supplies, Coarse Paper Products. These price lists do incorporate products that are

environmentally preferable. The procurement of environmentally preferable products is under review for various commodities not addressed in a SPO price list.

# UH:

- **UH West O'ahu** Currently leasing a Xerox copier that is an ENERGY STAR® product. A television that was used for classroom instruction that was broken beyond repair was replaced with an ENERGY STAR® television.
- **UH Hilo** Toilet paper and hand towels that are purchased meet current EPA guidelines of 40% post consumer recycled content. Plastic benches and picnic tables purchased are made from recycled plastic.
- UH Mānoa The University purchases toilet paper and hand towels that meet the current EPA guidelines of 40% post consumer. Recycled content; including plastic and picnic tables made from recycled plastic.
- Maui CC The Culinary Program uses biodegradable food cartons, forks, knives and spoons in its foodservice operation.
- Honolulu CC pending construction of PV shade structure.
- Kaua'i CC pending incorporation of a biomass system; study and contract negotiation needed.

# Act 96 SLH 2006: Transportation Vehicles and Fuel

(1) Comply with Title 10, Code of Federal Regulations, Part 490, Subpart C, "Mandatory State Fleet Program", if applicable.

This section does not apply to the following agencies because they do not have a fleet: AG, B&F, DCCA, DHRD, DLIR, DLNR, DOTAX, FTZ, HCDA, HHFDC, HPHA, HSPLS, HTA-CC, NELHA

The following agencies are in compliance, with no additional comments necessary: DHHL, DOA, DOD, DOH, DOT-Airports, DOT-Harbors, DOT-Highways, HHSC

**DAGS:** Strategy: DAGS Automotive Management Division (AMD) has determined it is in compliance with federal requirement by purchasing only new alternative fuel vehicles. Vehicle purchases continue to comply with 10 CFR, Part 490, on alternative fuel E85 vehicles. Covered Fleet Vehicle purchases conducted by the State Procurement Office (SPO) continue to comply with 10 CFR, Part 490, on alternative fuel E85 vehicles and Non-Covered Fleet Act 96 Part IV, HRS section 103D-412, Energy-Efficient Vehicles. DAGS plans are to continue to update and replace ageing fleet with energy-efficient vehicles. For FY2011 and 2012, DAGS AMD has a \$475,000 ARRA grant secured by DBEDT to expend for electric vehicles. Five charging stations and two electric vehicles have been acquired.

**DBEDT:** Does not apply. DBEDT does not have a "covered fleet."

**DHS:** DHS continues to coordinate with DAGS-Automotive Management Division (AMD) to ensure that vehicle purchases comply with the applicable requirements.

**DOE:** The DOE has organized its fleet program by complex areas and offices. Based on this organization, only the Office of School Facilities and Support Services meet the requirements to be designated as a "covered fleet."

**PSD:** While PSD is a law enforcement entity that is exempt from Title 10, in past procurements has followed the intent of Act 96 (2006) where applicable. Examples are purchasing vehicles that are "Flex Fuel" capable – where they can run properly on either regular gas or E-85. For fiscal year ending 2011, PSD did not purchase any "new" vehicles for its facilities.

**UH:** Windward Community College recently purchased two flexible fuel sedans and one cargo van replacing older vehicles that were not as energy efficient.

# Act 96 SLH 2006: Transportation Vehicles and Fuel

(2) Comply with all applicable state laws regarding vehicle purchases.

This section does not apply to the following agencies because they do not purchase vehicles: AG, B&F, DCCA, DHRD, FTZ, HHFDC, HPHA

This section does not apply to the following agencies because DAGS manages their vehicle purchases: HCDA, HTA-CC

The following agencies are in compliance with no additional comments necessary: DHHL, DOA, DOD, DOE, DOH, DOT-Airports, DOT-Harbors, DOT-Highways, DOTAX, HHSC, HSPLS, NELHA, PSD, UH

**DAGS:** Assessment: AMD and SPO review departmental request to purchase passenger vehicles.

Strategy: HAR Section 3-122-13, Development of specifications and HRS Section 103D-412, Energy-efficient vehicles, provides guidance to State and county purchasing agencies on the purchase and leasing of vehicles. The SPO, AMD, and DBEDT have developed guidelines for the purchase of vehicles including energy-efficient vehicles. These guidelines are available on the DBEDT website: <u>http://Hawai'i.gov/dbedt/info/energy/efficiency/state/</u>

**DBEDT:** DBEDT is aware of and complies with vehicle purchasing requirements. Amendments to vehicle purchasing requirements related to efficiency are disseminated to other agencies through the Lead By Example working groups.

**DHS:** DHS continues to coordinate with AMD to ensure that vehicle purchases comply with the applicable requirements.

**DLIR:** The DLIR owns the following vehicles:

1999 Ford Windstar 1994 Chevrolet Astrovan

The DLIR does not have immediate plans to purchase another vehicle in the near future; however, the department will adhere to the applicable state laws regarding vehicle purchases

**DLNR:** DLNR will continue to work with DBEDT)in a statewide collaboration on energy efficiency, as a member of DBEDT's Lead By Example Leadership Group. DLNR continues to

seek the advice of other state agencies through DBEDT's Lead By Example Leadership Group and will implement internal procedures as appropriate.

# Act 96 SLH 2006: Transportation Vehicles and Fuel

(3) Once federal and state vehicle purchase mandates have been satisfied, purchase the most fuelefficient vehicles that meet the needs of their programs; provided that life cycle cost-benefit analysis of vehicle purchases shall include projected fuel costs.

This section does not apply to the following agencies: AG, B&F, DCCA, DHRD, DOD, FTZ, HCDA, HHFDC, HPHA, HSPLS, HTA-CC, and NELHA.

The following agencies are in compliance, with no additional comments necessary: DOH, DOT-Airports, DOT-Highways, and HHSC.

**DAGS:** Assessment: The AMD and SPO review will provide opportunity to comply with the policy to procure the most fuel-efficient vehicles.

Strategy: This review will mandate agencies to be compliant with law.

**DBEDT:** DBEDT is aware of and complies with vehicle purchasing requirements and is seeking models to simplify life-cycle cost benefit analysis for purchasing purposes. EIA fuel cost projections researched by DBEDT for use in Life Cycle Cost analysis have been distributed to other agencies via the Lead by Example initiative.

**DHHL:** DHHL shall consider all aspects, such as fuel consumption, capacity, and need, in addition to price, to reach the decision on the purchase.

**DHS:** DHS continues to coordinate with AMD and SPO to ensure that vehicle purchases meet fuel efficiency requirements in relation to operational needs.

**DLIR:** Prior to purchasing a vehicle in the future, the department will insure that any vehicle purchase satisfies federal and state mandates and is the most fuel-efficient vehicle that meets the needs of our program.

**DLNR:** DLNR will continue to work with DBEDT in a statewide collaboration on energy efficiency, as a member of DBEDT's Lead By Example Leadership Group. DLNR continues to seek the advice of other state agencies through DBEDT's Lead By Example Leadership Group and will implement internal procedures as appropriate.

**DOA:** ASO reminded staff of the department's Energy and Water Conservation and Resource Efficiency Program which provides policies, guidelines and practices with the goal to minimize energy, fuel and water consumption and implement resource-efficient operations including purchasing the most fuel-efficient vehicle that meets the needs of the program once federal and state vehicle purchase mandates have been met. HDOA did not purchase any vehicles during FY11.

**DOE:** The DOE is complying with all state laws regarding vehicle purchases through our Procurement and Contracts Branch. It is anticipated fuel-efficient hybrids will be purchased when available to meet the needs of their programs.

**DOT-Harbors:** Current budget constrains mean that replacement of older, less fuel-efficient cars is being postponed.

**DOTAX:** DOTAX will purchase the most fuel-efficient vehicle that meets the needs of its programs and will include a life cycle cost-benefit analysis, including projected fuel costs, in vehicle procurements.

**PSD:** PSD awards to the lowest responsive, responsible bidder for its agencies.

**UH:** UH Mānoa initiated a fleet replacement program employing EPA grants to replace heavy vehicles with new clean diesel trucks which are bio-diesel compatible. UH Mānoa received EPA grants totaling \$340,000 to replace four of its heavy trucks in FY2011 and also initiated an electric vehicle replacement program for older ICE vehicles, replacing three ICE vehicles with EV in FY2011.

# Act 96 SLH 2006: Transportation Vehicles and Fuel

(4) Purchase alternative fuels and ethanol blended gasoline when available.

This section does not apply to the following agencies: AG, B&F, DCCA, DHRD, DOD, FTZ, HCDA, HHFDC, HPHA, HTA-CC, and NELHA.

The following agencies are in compliance, with no additional comments necessary: DOH, DOT-Airports, DOTAX, HHSC, and UH.

**DAGS:** SPO Price List No. 07-20 Gasoline Fueling and Credit Card Services for Hawai'i, Kaua'i, Maui, and O'ahu, includes the requirement to establish monthly reports from the vendors of purchases by each cardholder.

SPO Price List contract for Gasoline & Diesel Fuel, Bulk Delivery (09-16 Hawai'i, 09-17 Maui, 09-18 O'ahu, and 09-19 Kaua'i) are for purchases of ethanol-blended gasoline, E-10, and ultra low sulfur diesel fuel, by all agencies on a statewide basis. The available information will be used to determine total gasoline purchases and expenditures by each purchasing agency. In each contract, the State has the option to convert from petroleum diesel fuel to biodiesel blended fuel at one or more locations by providing ninety (90) days written notice to the Contractor. Prior to re-solicitation, review of market availability of biodiesel fuels are conducted to ensure alternative fuels are made available through the SPO Price and Vendor lists contracts.

**DBEDT**: DBEDT intends to purchase alternative fuels when available. DBEDT currently uses an electric vehicle rented from DAGS Automotive Division.

Through DBEDT's Electric Vehicle (EV) Ready Program, \$475,500 was allocated to the Department of Accounting and General Services (DAGS) Automotive Management Division to Lead By Example through the purchase of EVs for the State motor pool, and for the installation of EV charging stations at public lots and State motor pool. Currently, there are six (6) at the

DAGS motor pool at Punchbowl and one (1) at the Natural Energy Laboratory of Hawai'i Authority.

EV Charging Stations have been installed in state facilities. There is one (1) at the State Office Tower (private), two (2) at DAGS motor pool (private), one (1) in the Capitol Basement Parking Garage (public), and one (1) in the South Street garage parking lot next to Ka`ahumanu Hale First Circuit Court (public).

**DHHL:** DHHL shall continue to use gasoline from Tesoro to fuel our vehicles.

**DHS:** DHS continues to coordinate with SPO on purchasing alternative fuels from established price lists.

**DLIR:** DLIR purchases ethanol blended gasoline from DAGS Automotive.

**DLNR:** DLNR purchases fuel from vendors as selected by the State Procurement Office in compliance with the Procurement Code. This often includes gas stations that offer ethanol 10 blended gasoline. DLNR is not aware of adequate vehicles that operate on alternative fuel effectively for the type of performance needed. DLNR continues to seek the advice of other state agencies through DBEDT's Lead By Example Leadership Group and will implement internal procedures as appropriate.

**DOA:** No biodiesel fuel was purchased in FY11.

**DOE:** For light duty vehicles, only ethanol blended gasoline is currently available. For diesel fuel vehicles, biodieselfuel is being considered where practical.

**DOT-Harbors:** DOT-Harbors purchases environmentally friendly fuels when available and practical. DOT-Harbors also needs to purchase vehicles capable of using alternative fuels.

**DOT-Highways:** The Highways Division currently purchases propane as an alternative fuel.

**DOTAX:** DOTAX purchases ethanol blended gasoline through DAGS Automotive.

**HSPLS:** HSPLS Logistic Support Section vehicles are E85 compliant. Two HSPLS Automated Systems Equipment Technicians vehicles are E85 compliant.

**PSD:** PSD follows the Comptroller's Memo 2005-13 that requires the lower grade of fuel.

Fleet use of biodiesel (gallons purchased) and total cost (\$):

The following agencies did not reply to this section: AG, B&F, DBEDT, DHHL, DHS, DOH, DOTAX, FTZ, HPHA, NELHA, and UH.

This section does not apply to the following agencies: DCCA, DHRD, DLIR, DOD, HCDA, HHFDC, and HTA-CC.

The following agencies reported that no biodiesel fuel was purchased in FY11: DLNR, DOA, DOT-Harbors, HHSC, HSPLS, and PSD.

**DAGS:** Biodiesel purchases, limited to Maui, for the period Apr 2011 to Jun 2011 (3 months) was 6,995 gallons for \$30,807.00; the average cost per gallon is \$4.40.

**DOE:** Biodiesel is not available due to state fuel pricelist. Also, limited locations for biodiesel purchasing make it very difficult to establish a purchasing program.

**DOT-Airports:** Not at this time. The Airports Division does not have a separate tank for storage.

**DOT-Highways:** The Highways Division, Maui District, voluntarily converted their diesel equipment to biodiesel in June 2011. So far, 7,700 gallons of biodiesel was purchased at a cost of \$38,503.

# Act 96 SLH 2006: Transportation Vehicles and Fuel

(5) Promote efficient operation of vehicles.

This section does not apply to the following agencies because they do not own any vehicles: AG, B&F, DCCA, DHRD, FTZ, HHFDC, and HPHA.

The following agencies are in compliance, with no additional comments necessary: DOD, DOH, DOT-Airports, DOT-Highways, HHSC, and NELHA.

**DAGS:** Assessment: DAGS provides guidelines in the general operation of vehicles including a compressive Preventive Maintenance (PM) Schedule for its vehicles.

Strategy: DAGS Motor Pool offers PM services to all state vehicles under 8,500 GVW.

**DBEDT:** DBEDT distributes guidelines for energy-efficient vehicle operations to members of the department and to other agencies along with a mileage and fuel tracking log.

**DHHL:** Drivers are reminded to follow posted speed limit signs and practice safe driving. Recommended Driving and Vehicle Maintenance Tips are attached with each mileage log.

**DHS:** DHS continues to coordinate with AMD on the issuance of vehicle operation procedures.

**DLIR:** The DLIR vehicles are serviced by the DAGS Automotive Management Division Motor Pool on a regular basis. Both of the DLIR vehicles are in sound condition and operate at maximum efficiency.

**DLNR:** DLNR encourages maintenance and regular service of vehicles. DLNR continues to seek the advice of other state agencies through DBEDT's Lead By Example Leadership Group and will implement internal procedures as appropriate.

**DOA:** ASO reminded staff of department's Energy and Water Conservation and Resource Efficiency Program which provides policies, guidelines and practices with goal to minimize

energy, fuel and water consumption and implement resource-efficient operations including tips on efficient operation of vehicles.

**DOE:** No formal programs have been developed by the Department of Education.

**DOT-Harbors:** Trips are limited to what is required for safety and efficiency and are combined to save fuel. Vehicle trips from base yard to job sites are kept to a bare minimum by requiring job assignments to be clearly understood to ensure that all materials, tools, equipment, etc. to complete the job are on board prior to vehicles leaving the base yard.

**DOTAX:** DOTAX will promote efficient operation of vehicles through an educational campaign.

**HCDA:** HCDA encourages staff to walk to properties/appointments whenever possible.

**HSPLS:** HSPLS monitors servicing and maintenance of vehicles on an average of 3,000 miles or 3 months for preventive maintenance. O'ahu operations currently use a service repair vendor that has begun the use of bio-based engine oils.

HSPLS Electronic Support Section vehicles are serviced regularly for general maintenance using factory recommended guidelines.

**HTA-CC:** The Hawai'i Convention Center keeps vehicle logs of all usage for the three (3) vehicles on property. The vehicles are a passenger van, a pickup truck, and a high cube van. The Facilities department is responsible for scheduling routine maintenance of the vehicles to keep them operational to the best extent possible after 14+ years.

**PSD:** In an effort to comply with this Act, PSD has issued a department wide memorandum promoting the efficient use of vehicles.

**UH:** Windward CC, as part of the Library Learning Commons project, will designate a certain number of parking stalls as "car pool" to encourage students, faculty, and staff to ride share to campus. Honolulu, Leeward, Kapi'olani, and Windward Community Colleges are planning to install an electric car charging station to encourage use of efficient operating vehicles.

A media specialist position was established in the division to help in the development and distribution of information on the efficient operation of vehicles, through the dissemination of brochures and web postings.

# Act 96 SLH 2006: Transportation Vehicles and Fuel

(6) Use the most appropriate minimum octane fuel; provided that vehicles shall use 87-octane fuel unless the owner's manual for the vehicle states otherwise or the engine experiences knocking or pinging.

This section does not apply to the following agencies: AG, B&F, DCCA, DHRD, DOD, FTZ, HHFDC, and HPHA.

The following agencies are in compliance, with no additional comments necessary: DAGS, DBEDT, DLIR, DLNR, DOE, DOH, DOT-Airports, DOT-Highways, HCDA, HHSC, HSPLS, HTA-CC, NELHA, and UH.

**DBEDT:** This instruction will be distributed department-wide.

**DHHL:** Twenty-five out of DHHL's twenty-seven vehicles use 87-octane gasoline. The other two (cargo and a dump truck) on Moloka'i require diesel fuel. DHHL shall enforce this policy and confirm that all vehicles use 87-octane gasoline.

**DHS:** DHS continues the implementation of the present policy requiring the use of 87-octane fuel.

**DOA:** ASO reminded staff on department's Energy and Water Conservation and Resource Efficiency Program, which provides policies, guidelines and practices with the goal to minimize energy, fuel and water consumption and implement resource-efficient operations, including using the 87-octane fuel unless the owner's manual for the vehicle states otherwise or the engine experiences knocking or pinging.

**DOT-Harbors:** All vehicles are using 87-octane fuel unless owner's manual for the vehicle states otherwise. DOT-Harbors purchases environmentally friendly fuels when available and practical.

**DOTAX:** DOTAX uses the most appropriate minimum octane fuel, provided that vehicles shall use 87-octane fuel unless the owner's manual for the vehicle states otherwise or the engine experiences knocking and pinging.

**PSD:** PSD follows Comptroller's Memo 2005-13, which prohibits the use of mid-grade or premium gasoline unless prior approval by the Comptroller's Office is received.

# Act 96 SLH 2006: Transportation Vehicles and Fuel

(7) Beginning with fiscal year **2005-2006** as the baseline, collect and maintain, for the life of each vehicle acquired, the following data:

This section does not apply to the following agencies: AG, B&F, DCCA, DHRD, DOD, FTZ, HCDA, HHFDC, and HPHA.

The following agencies are working toward achieving compliance, or are in the process of creating a system to monitor this data: DOH and DLNR

The following agencies collect and maintain data on their own, and are in compliance: DAGS, DBEDT, DHS, DOA, DOTAX, HTA-CC, NELHA, and UH.

The following agencies provided a spreadsheet that contains specific data: DHHL (Appendix 4), DOE (Appendix 5), DOT-Airports (Appendix? )DOT-Harbors (Appendix 6), DOT-Highways (Appendix ??), HHSC (Appendix), HSPLS (Appendix), and PSD (Appendix 7).

#### (A) Vehicle acquisition cost:

**DLIR:** 1999 Ford Windstar acquired on 1-23-01 for \$17,500.00 1994 Chevrolet Astrovan acquired on 5-3-01 for \$5,900.00

(B) United States Environmental Protection Agency rated fuel economy:

**DLIR:** 1999 Ford Windstar: 17 mpg City and 23 mpg Highway 1994 Chevrolet Astrovan: 17 mpg City and 22 mpg Highway

(C) Vehicle fuel configuration, such as gasoline, diesel, flex-fuel gasoline/E85, and dedicated propane:

**DLIR:** 1999 Ford Windstar – Gasoline/E85 1994 Chevrolet Astrovan – Gasoline/E85

### (D) Actual in-use vehicle mileage:

# **DLIR:** <u>FY 2006</u>

- 1999 Ford Windstar 2096.1 Miles
- 1994 Chevrolet Astrovan 248.0 Miles <u>FY 2007</u>
- 1999 Ford Windstar 1616.6 Miles
- 1994 Chevrolet Astrovan 166.3 Miles <u>FY 2008</u>
- 1999 Ford Windstar 1541.70 Miles
- 1994 Chevrolet Astrovan 148.40 Miles FY 2009
- 1999 Ford Windstar 1190.2 Miles
- 1994 Chevrolet Astrovan 504.0 Miles FY 2010
- 1999 Ford Windstar 2735.1 Miles
- 1994 Chevrolet Astrovan 175.7 Miles <u>FY 2011</u>
- 1999 Ford Windstar 2288.3 Miles
- 1994 Chevrolet Astrovan 507.9 Miles

#### (E) Actual in-use vehicle fuel consumption:

# **DLIR:** <u>FY 2006</u>

- 1999 Ford Windstar 226.7 Gallons
- 1994 Chevrolet Astrovan 21.7 Gallons FY 2007
- 1999 Ford Windstar 176.4 Gallons
- 1994 Chevrolet Astrovan 20.6 Gallons <u>FY 2008</u>
- 1999 Ford Windstar 169.00 Gallons
- 1994 Chevrolet Astrovan 20.8 Gallons

# FY 2009

- 1999 Ford Windstar 129.00 Gallons
- 1994 Chevrolet Astrovan 60.40 Gallons FY 2010
- 1999 Ford Windstar 167.9 Gallons
- 1994 Chevrolet Astrovan 21.2 Gallons
- <u>FY 2011</u>
- 1999 Ford Windstar 265.5 Gallons
- 1994 Chevrolet Astrovan 40.1 Gallons

(F) Actual in-use annual average vehicle fuel economy:

# **DLIR:**

<u>FY 2006</u>

- 1999 Ford Windstar 9.25 Miles Per Gallon
- 1994 Chevrolet Astrovan 11.43 Miles Per Gallon

FY 2007

- 1999 Ford Windstar 9.16 Miles Per Gallon
- 1994 Chevrolet Astrovan 8.07 Miles Per Gallon

**Note:** Decrease of 3.36 miles per gallon resulted from mechanical problems with the vehicle. The mechanical problems reduced the vehicle's total miles driven in FY07 by a total of 81.7 miles (248 miles in FY06 to 166.3 in FY07), a 33 percent reduction. The inability to drive the vehicle accounts for decrease in the miles per gallon of 33 percent. The mechanical problems which prohibited the use of vehicle have been repaired by the DAGS Automotive Division.

<u>FY 2008</u>

- 1999 Ford Windstar 9.12 Miles Per Gallon
- 1994 Chevrolet Astrovan 8.87 Miles Per Gallon

FY 2009

- 1999 Ford Windstar 9.23 Miles Per Gallon
- 1994 Chevrolet Astrovan 8.34 Miles Per Gallon <u>FY 2010</u>
- 1999 Ford Windstar 16.29 Miles Per Gallon
- 1994 Chevrolet Astrovan 8.29 Miles Per Gallon <u>FY 2011</u>
- 1999 Ford Windstar 8.62 Miles Per Gallon
- 1994 Chevrolet Astrovan 12.67 Miles Per Gallon

# Act 96 SLH 2006: Transportation Vehicles and Fuel

(8) Beginning with fiscal year **2005-2006** as the baseline with respect to each agency that operates a fleet of thirty or more vehicles, collect and maintain, in addition to the data in paragraph (7), the following:

This section does not apply to the following agencies: AG, B&F, DBEDT, DCCA, DHHL, DHRD, DHS, DLIR, DOD, DOTAX, FTZ, HCDA, HHFDC, HHSC, HPHA, HSPLS, HTA-CC, and NELHA.

The following agencies collect and maintain data on their own, and are in compliance: DAGS, DLNR, DOA, DOE, DOT-Highways, and UH.

The following agency is in the process of implementing a system to collect and maintain data: DOH.

The following agencies provided a spreadsheet that contains specific data: DOT-Airports (Appendix), DOT-Harbors (Appendix), and PSD (Appendix).

(A) Information on the vehicles in the fleet, including vehicle year, make, model, gross vehicle weight rating, and vehicle fuel configuration:

#### See above

(B) Fleet fuel usage, by fuel:

**UH:** The fleet fuel usage is tracked in the fleet asset management program. Fleet fuel consumption for FY 2011:

87-Octane Gasoline - 55,228.3 gallons

Diesel – 81,514.3 gallons

#### (C) Fleet mileage:

**UH:** The fleet mileage is recorded in the fleet database. The average miles traveled by each group of fleet vehicles are as follows:

Sedans – 4313 Miles

Vans - 4272.1 Miles

Pickup Trucks - 5310.1 Miles

(D) Overall annual average fleet fuel economy and average miles per gallon of gasoline and diesel:

**UH:** The fleet annual average fleet fuel economy is tracked in the asset management program. The annual average vehicle fuel economy for FY2011 for each group of fleet vehicles is as follows:

Sedans - 20 MPG

Vans - 20.1 MPG

Pickup Trucks - 17.3 MPG

### **Renewable Energy and Resource Development**

All affected agencies and programs are directed to review internal policies, rules, and practices regarding permitting requirements affecting renewable energy development. To the extent possible, permitting policies and practices should be streamlined to expedite implementation of renewable energy projects. It is requested that agencies prepare a report to my office identifying the specific steps they have taken to expedite the approval of renewable energy projects.

(1) Energy consumption in kilowatt hours for the past year (July 1, 2010, to June 30, 2011) FY '11 (kWh consumption);

Data were received directly from the electric utilities and are presented in Table 2.

FY '11 (paid for kWh consumption);

Data were received directly from the electric utilities and are presented in Table 4.

The following agencies provided this information in addition to utility data: HHFDC (Appendix 1).

(2) Steps taken to **inventory**, **investigate**, **plan**, **and implement** energy reduction efforts.

The following agency did not reply to this section: HSPLS

**AG:** The department continues to issue reminders to staff to "Switch it off," keep blinds closed, and report equipment malfunctions. AG has also instituted a practice to leave off unnecessary hallway lights. All new equipment purchases must be ENERGY STAR® or approved by Administrative Services Office if not ENERGY STAR®.

The department will participate in the iConserve campaign, asking employees to shut down computers when leaving the office for 45 minutes or more and to remove or unplug personal devices.

**B&F:** Please see items 4, 5, 6 and 7 under "Act 96 SLH 2006: Buildings and Facilities" above.

**DAGS:** DAGS-PWD has initiated Energy Saving Performance Contracting (ESPC) projects, for the majority of DAGS facilities.

DAGS-PWD, on behalf of the HSPLS started to implement retro-commissioning on all libraries statewide during FY 2010, to the extent funding is available.

DAGS-PWD, on behalf of the Department of Public Safety (PSD), has initiated an ESPC project for various PSD facilities.

Under the ongoing "DAGS Capital District, Energy Savings Performance Contracting, Phase 1 Buildings, DAGS Job No. 52-10-0599" project, DAGS-PWD also initiated the iConserve program for State employees working in the ten (10) impacted State office buildings situated in Downtown, Honolulu. The overall intent of the iConserve program is to change State employee behavior patterns through actions that enlighten State employees about small behavior changes, such as turning off lights, closing doors, etc, which contribute to and help sustain energy savings.

**DBEDT:** DBEDT is active in inventorying major energy efficiency and renewable energy projects in the state and collecting state facility data. As of 2008, DBEDT obtained releases from the various agencies to receive their utility data direct from the utility to allow DBEDT to consolidate consumption and cost data and track agency progress. Using this data, which went back to 2005, DBEDT established a baseline year and ran analysis for each additional year.

DBEDT set up an ENERGY STAR® Portfolio Manager master account that is linked to all agency sub-accounts to compile information and maintain data for facilities across the state. ENERGY STAR® Portfolio Manager is a free online tool for comparing building performance with similar buildings nationwide and provides building managers information that helps prioritize investment.

The Strategic Industries Division in collaboration with the Research Economic Analysis Division is developing a state facilities database with the goal of including all facility specs collected during benchmarking, utility (electricity and water) consumption and cost data, demand-side management rebates, indoor environmental quality data, and info on any improvement projects.

DBEDT also monitors the development of renewable energy and energy reduction projects in the state and their impact on our Renewable Energy and Energy Efficiency Portfolio Standards (HRS §269-96, Act 155). The project database is currently under development and will be maintained by DBEDT.

DBEDT submitted a nomination for Hawai'i's Lead By Example program to the American Council for an Energy-Efficiency Economy, which recognized the program as one of four national recipients of the State Program Awards. The award reflects strong efforts among Hawai'i state agencies to quantifiably implement energy efficiency measures at state facilities.

Quarterly Rebuild Hawai'i Consortium meetings were held on November 5, 2010, January 5, 2011, and April 5, 2011, at the Hawai'i Convention Center Auditorium. More than 215 representatives of federal, state, and local government, as well as gas and electric utilities, K-12 educational facilities, University of Hawai'i, Hawai'i Pacific University, non-profits, professional organizations, and the private sector attended. The meetings focused on energy efficiency and renewable energy projects, achievements and lessons learned. The Rebuild Hawai'i Consortium is a statewide networking and information-sharing group that includes highly skilled and motivated public/private sector participants. Membership continues to grow (currently over 500) and the information and professional relations developed as a result of the networking opportunities afforded by Rebuild Hawai'i are considered very valuable to those who participate in the quarterly meetings.

**DCCA:** Assisted DAGS with a survey to determine the number of individual offices where it is practical to use desk lamps. In areas where there is adequate natural lighting, the use of desk lamps or other forms of task lighting in lieu of overhead lighting could generate electricity cost savings. Where practicable, divisions were encouraged to use desk lamps.

Continued to work with DAGS to monitor and review AC temperature data and made adjustments to air-conditioning system controls to correct areas of inefficiencies.

DCCA monitored monthly energy consumption to ensure timely actions to address issues whenever necessary.

**DHHL:** DHHL will continue to keep an inventory of department electric meters, departmental operations and construction.

**DHRD:** The department continues to encourage all employees to implement energy conservation practices such as turning off hallway and elevator lobby area lights at the end of the day; as well as turning off copier machines and computers rather than leaving the equipment on sleep mode.

DAGS implemented the following energy conservation initiatives for the Leiopapa A. Kamehameha building, which this department occupies: (a) installed window tinting to help keep the solar heat out of the building and reduce the air conditioning cooling load; and (b) installed a power management program on all computers to generate utility savings and reduce the amount of carbon dioxide emitted into the atmosphere.

**DHS:** DHS is a participating department in the State's Lead By Example program. As a part of this statewide project, DHS is developing a plan to implement energy reduction efforts.

**DLIR:** DLIR will continue to evaluate current efforts to reduce energy usage by monitoring and reminding all offices of the need to adhere to energy efficiency practices such as turning off electrical lights, printers, copier machines, and computers when not in use.

We will also continue to educate, encourage and promote energy reduction efforts to our employees via meetings and memorandums.

**DLNR:** DLNR continues to review internal policies, rules, and practices regarding permitting requirements affecting renewable energy development. To the extent possible, DLNR streamlines permitting policies and practices to expedite implementation of renewable energy projects. Three of these permitting processes are detailed below.

#### **DLNR issuance of Conservation District Use Permits**

The Office of Conservation and Coastal Lands (OCCL) oversees activities within the Conservation District. OCCL is proposing new rules state as follows: "Hydroelectric, wind generation, ocean thermal energy conversion, wave, solar, geothermal, and other renewable power generation facilities from natural resources; includes generation, conversion, transmission facilities and access roads. Renewable energy projects that are property sited and minimize impacts to natural, cultural, and recreational resources shall be expedited in the application review and decision-making process." Thus, renewable energy projects can be located within the Conservation District. Under the new proposed rules, renewable energy projects can be located within the Conservation District with approval by way of a Conservation District Use Permit. Language is also proposed that would require the Department to expedite projects that minimize impacts to natural, cultural, and recreational resources. OCCL initiated the rulemaking process in 2010 and therefore these proposed changes may take effect in the near future.

#### **DLNR issuance of Incidental Take Licenses**

In order to be in compliance with state and federal endangered species laws, energy and resource development projects that impact threatened and endangered species must be issued an Incidental Take License by both DLNR and the United States Fish and Wildlife Service (USFWS). Both agencies require that project proponents complete a Habitat Conservation Plan (HCP) prior to the issuance of the take licenses. In order to minimize procedural burdens on the applicants, DLNR works cooperatively with USFWS in concurrently processing the request for take licenses. After notice in the periodic bulletin of the Office of Environmental Quality Control, a public hearing is held on the islands affected, which is, whenever possible, held jointly with USFWS. The Board of Land and Natural Resources (BLNR) may approve the federal HCP without requiring a separate version if the federal HCP satisfies all the criteria of the state endangered species statutes. All state agencies, to the extent feasible, work cooperatively to process applications for HCPs on a consolidated basis including concurrent processing of any state land use permit application that may be required. In order to further streamline the process of approving an HCP and the issuance of an Incidental Take License, the state established the Endangered Species Recovery Committee that serves as a consultant to the BLNR by reviewing all HCPs and making recommendations regarding whether they should be approved.

#### **DLNR Revised Application to Lease State Lands**

For instances when Renewable Energy Producers are interested in leasing state lands, the Application Form has been revised to comply with Section 171-95 (a) (2)(3)(c), HRS. Land Division takes steps to process the request in a timely manner. Staff coordinates the Applicants' request for a lease with OCCL, DOFAW, OHA, and other government agencies. Then, staff obtains approval from the Land Board for the issuance of a direct lease.

#### **Division of State Parks (SP)**

SP continues its implementation of energy efficiency and conservation strategies started in FY 2009 for park facilities that include the retrofitting and replacement of existing lighting fixtures and systems; installation of new fixtures and ENERGY STAR® appliances; repairing and replacing electrical and water systems to reduce energy and water leakage and waste; and incorporating energy efficiency measures in the new heating, ventilation and air conditioning system (HVAC) in the 'Iolani Palace State Monument, anticipated to start in 2012.

In coordination with DLNR's Engineering Division, design for solar powered park facilities such as water, sewer, lighting and energy systems have begun. Statewide facilities include the well pumps and baseyard needs at Koke'e State Park and Polihale State Park on Kaua'i; tunnel lighting in Diamond Head State Monument on O'ahu; solar panels for the rental cabins at Wai'anapanapa State Park on Maui; and solar panels for the rental cabins and facilities at Hāpuna Beach State Recreation Area and Mauna Kea State Recreation Area on Hawai'i. Electrical utility vehicles are being used in Wai'anapanapa State Park, Maui as an option to fossil fueled service vehicles and trucks.

**DOA:** The HDOA has three renewable energy projects in various stages of development. The Moloka'i and Waimea hydropower projects are in the design phase. The 2011 Legislature appropriated funds for the installation of a photovoltaic system at a livestock slaughterhouse on O'ahu program will request allotment of the funds in FY 12. Other ongoing projects include:

- 1. Continued to work with DAGS Central Services Division in identifying possible energy efficiency projects.
- 2. Continued to retrieve information electronically on gas consumption and odometer readings from DAGS Automotive Management Division, Tesoro and Hawai'i Petroleum for FY11.
- 3. Continued to use vehicle refueling log for program that have vehicles that refuel at places other than DAGS, Tesoro and Hawai'i Petroleum.
- 4. Continued to retrieve information electronically on gas consumption and odometer readings for each vehicle from DAGS Automotive Management Division, Tesoro and Hawai'i Petroleum for FY11.
- 5. Monitored and compiled kWh consumption data and cost for electricity for FY11.
- 6. Reminded staff of department's Energy and Water Conservation and Resource Efficiency Program which provides policies, guidelines and practices intended to minimize energy, fuel and water consumption and implement resource-efficient operations. Includes department's target consumption goals for electricity, fuel and environmentally preferred products.
- Distributed DAGS memo requesting employees to conserve energy and to report any water waste from open faucets, leaky plumbing fixtures, and broken and/or inefficiently run irrigation system.
- 8. Developed spreadsheet to compare data in FY 2009, FY 2010, and FY 2011 on electricity kWh consumption and percentage increase/decrease from previous year and distributed to program managers for their review and information.
- 9. Provided guidelines for staff at each HDOA facility regarding AC hours of operation and to turn off lights and equipment when not in use.

**DOD:** Per Federal mandates: Building energy audits to be performed on 25% of buildings annually or all buildings every 4 years. FY10, energy audits performed by department staff. Currently reviewing ENERGY STAR® Portfolio Manager and utility energy service contracts (UESC) energy assessment. Projects reviewed for energy efficiency efforts: HVAC, controls, and lighting.

**DOE:** The DOE has developed an internal system that enables the comprehensive managing of all utilities – electricity, water, sewage disposal, and gas – for all schools through a central office. As of March 1, 2007, the payment for all utilities was centralized into one office. We now are able to track DOE to establish programs that monitor utility use by schools specifically identifying (schools) with higher than anticipated consumption. Additionally a Memorandum of Agreement with the University of Hawai'i Sustainable Saunders group was done at Keone'ula Elementary School and will be done at Kalani High School, to determine user comfort, day lighting designs, ENERGY STAR® assessment, waste stream analysis and a water audit. Results from this study will allow the department to identify energy savings measures which can hopefully be replicated throughout the State. Finally, the department has been working with the Federal National Research Energy Laboratory to assist in developing long range energy reduction strategies.

Immediate steps for conservation programs continue and are listed as follows:

- Continue with implementation of LEED Silver for new and major construction projects.
- Continued training for LEED New Construction and LEED for Schools as updated by USGBC.
- Continue with installation of low-flow bathroom fixtures whenever fixtures require replacement.
- All incandescent lamps will be replaced with compact fluorescent lamps (CFL).
- Continue meetings with vendors seeking new energy conserving technologies.

- Continuation with pilot (test) studies of new promising technologies.
- Establishment of a Water Conservation "Steering Committee" or "Task Force" within the Office of School Facilities and Support Services to expedite conservation activities between branches and within the DOE as a whole.
- Open discussion with the Board of Water Supply to seek innovation water conservation concepts, projects, and/or studies such as Irrigation Management Control System, plant species, drip irrigation, and captured rainwater.

Immediate steps in DOE Policy for school conservation are listed below:

### **Electricity:**

- Set air conditioning so that the room temperature is 76 degrees.
- Do not turn on any air conditioning until 7:00a.m. or (if the air conditioning unit is turned on and off manually) until the room temperature reaches 74 degrees, whichever comes later, and turn off all air conditioning no later than 4:30p.m.
- Use timers to turn off 75 percent of night lights between the hours of 10:00p.m. and 6:00a.m.
- By June 15, 2009, replaced all appliances (refrigerators, microwave ovens, toasters, coffee makers, rice cookers, etc.) in classrooms and offices with ENERGY STAR®-rated appliances. Personal appliances should be limited to no more than one of each on each floor of a building. All other personal appliances were removed by December 31, 2008.
- Purchase or lease only ENERGY STAR®-rated computers, copiers, printers, and servers.
- Turn off computers, printers, and copiers at the end of the day.
- As of July 1, 2009, all schools with central chiller air conditioning have reduced their energy usage by 16% via baseline reduction. All other school will have reduced their baseline by 6%.

#### Water:

- All schools and offices shall cut back on water usage by at least 10 percent. Water lawns early in the morning or late in the afternoon or evening.
- Timers on automatic sprinklers shall be adjusted to water the lawns on Sundays, Tuesdays, and Thursdays, either before 9:00 a.m. or after 5:00 p.m.
- Manually water lawns on Mondays, Wednesdays, and Fridays, either before 9:00 a.m. or after 5:00 p.m.
- Car wash fundraisers shall be curtailed.
- Flooding water beds or shooting down Lāna'i areas is highly discouraged.
- Develop a water usage tracking system that overlaps high water usage tracking system employed by the Board of Water Supply. This tracking system will identify slow developing leaks that can go undetected by BWS under their tracking system.

**DOH:** The DOH is aware of energy saving measures. DOH implements and initiates these measures whenever possible.

# **DOT-Airports:**

- 1) The Airports Division is collecting data on the Division's current construction projects in the design phase. The Division will investigate the facilities' energy consumption to plan for reduction, and also plan for efficient design. The Division is implementing energy-efficient fixtures and equipment in its planned projects.
- 2) The Airports Division is investigating existing facilities for options to reduce energy use.

- 3) The Diamond Head Chiller Plant has been replaced and Oversea Chiller Plant project is under construction. The new equipment is high in energy reduction and efficiency.
- 4) Renovation of the Airport Lounge project has been awarded for our first LEED CI Silver project.

**DOT-Harbors:** A program to ensure that inventorying, investigations, plans and implementations are effective and in compliance with Act 160 is largely accomplished through our CIP and special maintenance projects.

All energy dependent equipment is on inventory. Energy usage has been investigated. Plans are regularly evaluated and subject to continuous improvement for reducing energy usage. Implementation efforts include reducing, re-using and recycling supplies and making vehicular trips as productive as possible by combining purposes of trips.

**DOT-Highways:** The Highways Division has an inventory of equipment and a baseline of energy consumption. We have also started the replacement of our traditional traffic signal lamps with the new LED lamps, as well as a systematic replacement of older computer equipment with ENERGY STAR® compliant equipment with LCD screens and variable speed CPUs.

# **DOTAX:**

- DOTAX continues to follow Energy Conservation best practices as outlined by the Director of Taxation in his memorandum dated March 1, 2006.
- DOTAX continues to monitor and control usage of after hour and weekend air conditioning.

**FTZ:** The FTZ has replaced the less efficient 300 watt incandescent bulbs in the warehouse with just eight (8), energy-efficient 40-60 watt CFL bulbs. These bulbs are only used at night for security purposes.

**HCDA:** There are no plans to expedite approval processes as already HCDA has Administrative Rules that mandate decisions be made within a set amount of time or else permits are automatically approved; however HCDA is:

- Currently requiring, as a permit condition, private developers to consult with HECO, DBEDT Energy Division, and the Board of Water Supply on ways to conserve/preserve resources; and
- Considering, as part of its Mauka Area Plan & Rules incorporation of LEED standards as a requirement of all development public or private in its Kaka'ako Community Development District. Same is true at Kalaeloa.
- In June 2011, HCDA installed and made available to the public an Electric Vehicle charging station at its "Piano Lot" parking lot located at 160 Ahui Street in Kaka'ako.
- HCDA is negotiating with several companies to lease land in Kalaeloa for the development of photovoltaic energy farms that has the potential to generate up to 20 MW of electricity. Discussions are in the preliminary stages and development is subject to major infrastructure upgrades in the Kalaeloa Community Development District.

**HHFDC:** In each of the categories below HHFDC used in-house staff and outside consultants to best determine the critical path to accomplish energy reduction projects. Not all of HHFDC's affordable housing complexes have the same needs. Property Managers were assigned the task of

recognizing and categorizing possible energy reduction projects. Following is a list of the three (3) major energy reduction categories:

- 1.) LIGHTING: This is further subdivided into smaller common groups:
  - Exterior (street and security lighting).
  - Interior (office, hallway, restrooms and residential apartments).

Within each group HHFDC needed to look at the lighting application, location, size and number. These lists were reviewed and plans of action were derived and priorities set as to what, when and how items were to be changed.

- 2.) MAJOR MACHINERY: This category would consist of large consumers:
  - Elevators
  - Air Conditioning Plants and
  - Hot Water Heating Boiler

Using a recent Physical Needs Assessment and the help of machinery maintenance vendors we have been tracking mechanical life of major items installed within HHFDC's high-rise mixed use residential/commercial buildings.

In the past several years, the agency has replaced one HVAC system with heat recovery capabilities during a major building renovation and continued the operation of another until mechanical readings indicate the essential need for replacement or it become cost prohibitive to continue operations.

- 3.) MINOR MACHINERY: This category would consist of smaller consumers:
  - Circulating/Booster Pump and Motors
  - Ventilation Fans and Motors

At the recommendation of machinery maintenance vendors, HHFDC has been replacing motor and pump combinations. These pumps are supplying and circulating the fresh water and hot water to the appropriate spaces. The old pumps were operating constantly at 100% with pressure regulators mounted down the line. The new motor/pump combos installed are of the variable speed type, which supply water at a specified pressure on demand. This is a drastic reduction in power consumption.

**HHSC:** HHSC is looking into implementing energy audits on all of their facilities when funds are available. The energy audits will assist each facility with recommendations to reduce energy.

**HPHA:** Currently in procurement for proposals to furnish professional energy performance contracting consultant services.

**HTA-CC:** The Hawai'i Convention Center has an established Capital Improvements Program (CIP) that covers future building projects and enhancements. The CIP projects are reviewed on an ongoing basis to evaluate sustainable, renewable, or energy-efficient components whenever possible.

For example, currently in engineering design is a project to install variable frequency drives (VFDs) to a water treatment pumping system for the waterfall feature in the Lobby. This project

will reduce energy consumption, as there are not currently VFDs in place for operation of the pumps.

**NELHA:** Monitor energy usage to reduce seawater pumping costs to clients.

**PSD:** DAGS-PWD has worked with specialty consultants and vendors in the development of a data collection/data analysis methodology to investigate, plan and implement energy reduction measures. The plan is currently in use.

# UH:

- **UH Hilo** In working with DBEDT, two major buildings received energy use audit.
- **UH Hilo** A campus wide sub-metering project is being completed. UH Administration will be able to read the 42 sub-meters on line to monitor the usage and generate reports for energy saving analysis.
- **UH West O'ahu** No new initiatives. Lights are turned off when rooms are not in use. Air conditioning and light timers are adjusted during no class periods.
- **UH Maui College** Negotiations are taking place with an Energy Service Company to execute an Energy Service Performance Contract.
- **UH Mānoa** –Finished the initial phase of a complete campus-wide strategic energy plan which detailed a \$15 million campus-wide lighting retrofit and a \$36 million 5 MW photovoltaic alternate energy program to be implemented in FY2012.

(3) A **plan** or alternatives to reduce energy consumption in the future.

**AG:** The department is working with DAGS to have air conditioning systems evaluated and updated, if deemed necessary. AG has also worked with DAGS to reduce lighting in lesser used areas and hallways and assisted them to replace lights with energy-efficient light bulbs and expand recycling efforts.

**B&F:** The Department will continue to encourage all employees to initiate and implement energy-efficient practices (i.e. turning off office light when not in use or when leaving for the day, turning off computer terminals at the end of the day, distributing ENERGY STAR® saving tips, etc.). The Department, as well as all other departments, is working with DBEDT and DAGS in this effort to identify and implement energy reduction initiatives.

**DAGS:** PWD initiated Energy Saving Performance Contracting (ESPC) projects, for the majority of DAGS facilities.

DAGS-PWD, on behalf of the HSPLS started to implement retro-commissioning on all libraries statewide during FY 2010, to the extent funding is available.

DAGS-PWD, on behalf of the PSD, initiated an ESPC project for various PSD facilities.

Under the ongoing "DAGS Capital District, Energy Savings Performance Contracting, Phase 1 Buildings, DAGS Job No. 52-10-0599" project, DAGS-PWD also initiated the iConserve program for State employees working in the ten (10) impacted State office buildings situated in Downtown, Honolulu. The overall intent of the iConserve program is to change State employee behavior patterns through actions that enlighten State employees about small behavior changes, such as turning off lights, closing doors, etc, that contribute to and help sustain energy savings. **DBEDT:** Act 207, SLH 2008, gives DBEDT the authority to coordinate and facilitate the permitting for renewable energy projects with capacity to generate 5MW or more or 100K (as amended in 2011) gallons of biofuel per year. DBEDT is required to create a "Permit Plan" for qualified renewable energy facilities, coordinate with all permitting agencies to address permitting hurdles, approve the required environmental review document upon compliance with Haw. Rev. Stat. 343, and approve all permits if not approved or denied by the appropriate state or county permitting agency within 12 to 18 months after acceptance of the final environmental review document. DBEDT is currently working with developers and the relevant state and county agencies to establish this process. DBEDT has assisted countless other renewable energy developers through the permitting process. DBEDT's role is as a liaison between other state agencies and the private sector.

DBEDT, with the help of private contractors, has also developed a permitting guidebook identifying all the potential permits a renewable energy developer would need for a given technology and location. On the Hawai'i Clean Energy Initiative website, DBEDT has developed an automated permit identifying tool and has made available all the necessary permit applications and provides practical information to help guide developers through the permitting process. DBEDT is also providing funding for the State of Hawai'i Department of Health (DOH) to put all DOH environmental permits online. Both online permitting tools should be available for public use in November 2011.

DBEDT has developed, in coordination with Hawai'i Community Reinvestment Corporation, a loan loss reserve program called GreenSun Hawai'i for financing energy efficiency projects, one of the first of its kind. GreenSun Hawai'i makes energy improvements for homes, multi-family projects, nonprofit organizations and businesses affordable by partnering with local banks and credit unions statewide and providing participating Lenders access to a loan loss reserve designed to absorb first losses on loans made to finance eligible energy efficiency and renewable energy system installations. As part of the Hawai'i Clean Energy Initiative, which aims to achieve 70% clean energy by 2030, GreenSun Hawai'i aims to increase the use of solar energy, decrease the state's dependence on imported fuel and lower overall energy costs throughout the islands.

**DCCA:** The department's I.T. staff is developing a power management strategy to reduce power consumption for computer systems and has embarked on a virtualization solution for server utilization. The department will also continue to work with DAGS to identify energy efficiency initiatives and encourage employees to adopt energy conservation practices wherever practicable.

**DHHL:** DHHL conducts in-house energy programs to inform all staff to reduce energy consumption using guidelines and recommendations from the educational leaflet from the US Department of Energy.

**DHRD:** The department will continue to encourage all employees to implement energy conservation practices and will work with DAGS to identify energy efficiency initiatives.

**DHS:** DHS is a participating department in the State's Lead By Example program. As a part of this statewide project, DHS is developing a plan to reduce future energy consumption.

**DLIR:** DLIR plans to do the following to reduce energy consumption:

- 1. Continue to reinforce and insure adherence to the Conserve Energy Initiative guidelines set forth by the Administration.
- 2. Continue to monitor and conduct self-audits of DLIR offices to identify and reduce energy consumers such as small appliances and electronic equipment.
- 3. Work with DAGS on the installation of solar electrical panels to reduce the energy cost.

**DLNR:** The 'Iolani Palace State Monument climate control project as noted in the FY 2009 report is anticipated to result in a 310,000 kWh savings amounting to over \$43,000. The project is in the process of obtaining approval and agreement with the DAGS to house the HVAC chiller plant in the State Archives Building. The system will service both the Palace and Archives Building. The Division of State Parks acknowledges DAGS implementation of performance contracting for its facilities and will coordinate to ensure that the system will not jeopardize its energy efficiency efforts. DLNR anticipates construction to start in 2011.

SP is continuing its energy reduction effort through the replacement of old and aging lighting and electrical systems and appliances statewide and incorporating conservation measures for staff and park users. Parks will look into developing solar and/or wind driven power sources that will be incorporated into power modules for park staff to recharge electrical utility vehicles and other energy needs. Funding has been appropriated for the design of these facilities. Also, with more park equipment and facilities utilizing solar power options, SP anticipates in reducing its annual energy expenditures including gas and oil through the replacement of electric utility and service equipment.

SP is considering the design and construction of a "green" State Park. The Mauna Kea State Recreation Area appears to be a likely candidate for a solar powered energy module that can power the park's rental cabins, dining hall, barrack cabins, and water/sewer systems. The constant sunlight in this Pōhakuloa region and the vast open space provides the necessary amenities needed to develop this type of power source. This project is in the planning stages as all required permits and approvals are still needed as well as consultations.

# DOA:

- 1. As funding allows, initiate lighting and window tinting operating projects and retrocommissioning CIP projects.
- 2. Send out reminders to employees to practice energy and water conservation measures.
- 3. As funding allows, replace air conditioning systems and units with energy-efficient ones.
- 4. As funding allows, upgrade to more efficient pumps and motors on irrigation systems.
- 5. As funding allows, install timers and other electronic controls on selected irrigation systems.
- 6. Promote car-pooling and bicycling.
- 7. Reduce operating hours of air conditioning system.

**DOD:** Some projects are per Command directed. Energy efficiency and reduction is a major concern. General repair and maintenance practices are reviewed for energy efficiency measures. Multiple HVAC designs are in process to replace old and inefficient systems. Energy Management Systems are being planned at several "energy hogs." Lighting retrofits: replacing T12 with T8s, replacing HPS with CFL, MH or LED. Training schedules implemented to reduce a/c runtime.

- FY11, RTI, M&V confirmed 22% usage reduction.
- FY11, reduction: Bldg 1898 EMCS. UTES Warehouses lighting retrofit. RTI WH circulating pump. RTI Bldg 713 VAVs. Bldg 306 Voltage Regulator.

- FY11, two PV projects are in construction. RTI (EST bldg) and Bldg 1898 (Kalaeloa).
- FY11, six renewable energy projects are being designed and reviewed. RTI (Bldg 714), AASF#2 (Hilo), Wahiawa Armory, Bldg 300 (Ft. Ruger), Bldg 1784 (Kalaeloa), Bldg 28 (Waiawa).

**DOE:** Plans for future energy consumption reduction include both Energy Conservation Measures and Effort with Renewable Energy.

#### **Energy Conservation Measures**

- Energy Audits: The Energy Conservation Coordinator will continue with on-site school assistance for energy audits and educational exchange.
- "School Energy Conservation Program": Continue with the program that rewards schools who have reduced energy usage as compared to a baseline.
- Facilities Development Pilot Studies: Various types of technologies are available that may reduce energy use for DOE. However, their adaptability, suitability, etc. for use with DOE remains an element of risk management. Certain technologies compete for a desired effect however may be dramatically different in cost and application. Examples could be reflecting solar energy versus insulation, separate dehumidification versus selecting more efficient air conditioning. To date multiple technologies have been implemented by DOE that now needs follow-up study and reports to determine Best Practices for future facilities development of work standardization.
- Heat Abatement Testing: Continue with on-going efforts to install and analyze various methods to reduce heat gain and increase comfort for portable classrooms with projects at Lokelani, 'Ewa Beach and Kahuku. Eventual roll-out of proven and cost effective technologies and methods will be implemented as standard retrofit design in the future. As a proof of concept of these methods, an energy neutral portable will be completed in the fall of 2011 at 'Ewa Elementary School. An energy neutral portable is an energy generating, self contained, heat reduced structure. In an effort to further improve on this concept, the University of Hawai'i School of Architecture will be engaging its architectural students through its laboratory classes, to design and construct a better structure.
- Education and Training: More education and training will be sought from energy conservation equipment vendors. There will be continuation with LEED education for DOE employees via on-the-job and USGBC product offerings.
- Energy Service Company (ESCO)-Utility Energy Services Contracts (UESC)-Power Purchase Agreements (PPA) Effort: Investigative work will continue in the areas financing energy conservation equipment retrofitting with the assistance of ESCO, UESC, and PPA. Currently an ESCO project has been completed at Ma'ili Elementary School. Additionally a RFP for a photovoltaic project for schools on Kaua'i was posted in June 2011 and should be awarded to a vendor in the fall. The department is also engaging with utility companies on O'ahu, Hawai'i, and Maui to replicate what is being done on Kaua'i.
- DOE Operations and Maintenance Best Practices: DOE will in the future hold internal meetings between offices and branches that will align and focus energy conservation efforts. This can include product (material and method) selection by committee based upon maintenance, performance, LEED, and cost benefits. This can be with further education and training for more efficient use of existing technology such as air conditioning and lighting controls, smart utility metering, sub-metering, etc.
- DOE School Best Practices: An investigation for identification of school equipment and/or operations that may best benefit energy conservation with the least amount of negative impact to school operations and functions will be reviewed. This will also include procurement and availability of energy-efficient products or products favoring LEED criteria. This can involve

school scheduling and selection of facility use or setting of temperatures for air conditioners.

#### Effort with Renewable Energy

A limited number of schools have had photovoltaic (PV) systems installed either by independent school effort and/or with electric utility support such as "Sun Power for Schools." Washington Middle School, Kawānanakoa Middle School, Wheeler Middle School, and Konawaena Middle School, have all been recipients of small 22kw PV systems installed at their schools through a cooperative venture with the electric companies. Future program endeavors may include incorporation of windmill technology.

The Legislature, through Act 96, SLH 2006, appropriated \$5 million to the DOE for a pilot photovoltaic project. A vendor in conjunction with the Kaua'i Independent Utility Company will be installing a photovoltaic system with a 1 to 1.5 mw of capacity through a purchase power agreement. The electricity cost will be approximately \$.19/kWh for the first year, with a 3% escalation over 20 years. A consultant has determined the photovoltaic array at each school and a Request for Proposal was posted in June 2011. The department is currently engaging in negotiations with similar arrangements with the other utility companies on the islands of O'ahu, Hawai'i, and Maui.

**DOH:** The DOH will be converting all lamps at its five O'ahu Health Centers to SuperT8 lamps and changing ballasts to the electronic type. This project will bid in September 2011. All air conditioning retrofits utilize energy-efficient equipment.

**DOT-Airports:** The Airports Division will inform its employees and tenants about saving energy, educate its engineering staff regarding building green and using energy-efficient technology in order to implement whole-building design practices, and upgrade design and construction standards and guidelines according to the LEED standard.

**DOT-Harbors:** DOT-Harbors will increase awareness and training for employees on available energy conservation technology or practices and develop program milestones or metrics to encourage reduction of energy consumption.

**DOT-Highways:** All future building projects will be designed to meet LEED silver certification. All new traffic signals will use LED lamps, and all new computer equipment will be ENERGY STAR® compliant.

**DOTAX:** DAGS is currently working on energy savings measures, including air conditioning retro-commissioning, for the Ke'elikōlani Building in which the DOTAX O'ahu District Office is located.

**FTZ:** The FTZ is participating with DOT-Airports in an RFP for solar electricity generation for its 5 acre roof in downtown Honolulu. When installed, this 550 kW system will provide energy for the FTZ effectively reducing its electric costs to zero for the next twenty (20) years.

**HCDA:** HCDA will incorporate energy savings devices and procedures in future developments as well as retrofit where appropriate. Also, HCDA is exploring installation of photovoltaic system on CFS3, Park Caretakers and Net Shed buildings.

**HHFDC:** In an effort to expedite the purchase of renewable energy projects and sustainability project HHFDC has stepped forward in insuring that all projects submitted for approval are

reviewed and if viable are researched for implementation. Each and every suggestion is a way to lessen HHFDC's dependency on foreign oil and coal, thus lessening its overall carbon footprint.

Presently, HHFDC's only project, La`ilani Housing on the Big Island of Hawai'i, to have solar hot water heating is an example of how the agency allows the Property Management Coordinator, the Property Management Company (vendor) and the Project Managers to work together to select the supply/installation vendor through the competitive bid process. This is also the case with all ENERGY STAR® products. Competitive Pricing is used in all purchases of ranges, refrigerators, and space air conditioners.

In the event of any major and minor machinery replacement, again the path to successful repairs has been to allow the competitive bid process to begin immediately as to not disrupt the habitable living conditions of tenants.

**HHSC:** HHSC plans to use the approved ESCO list that DAGS is developing to implement energy reduction at all of their facilities.

**HPHA:** Once the above-referenced energy contracting consultant is engaged, the HPHA will receive a plan from the contractor to reduce energy consumption at our properties.

**HSPLS:** Funds permitting, HSPLS will work with DAGS to implement recommendations from the Retro-commissioning (RCx) reports, which will help reduce energy consumption. These include modifications to the air conditioning systems and controls, replacement of aging equipment, and replacement of plumbing fixtures. Additionally, HSPLS will continue to implement energy conservation measures by adjusting room temperatures and purchasing ENERGY STAR® products.

**HTA-CC:** The long-term Master Plan for the Hawai'i Convention Center's Capital Improvements Program (CIP) contains future project considerations for additional variable frequency drives, photovoltaic systems, rainwater collection, gray water collection, and thermal collection systems.

**NELHA:** An RFP for solar photovoltaics is scheduled for FY2012.

**PSD:** This is being done currently on an informal, project-by-project basis. PSD would like to have a strategic plan that can be coordinated by any major capital development within PSD; however, no funding or staffing has yet been authorized for this purpose.

# UH:

• UH Hilo - UH Hilo has a policy to include PV in all new construction projects and is currently working on completing a 23 KW PV system over the Campus Center, a 30 KW PV system with the new Sciences & Technology Building and on PB 11 roof. An 88 KW PV system over the North Hawaii Education and Research Center has been completed. Also, an estimated 462 KW PV system will be in the Student Services Building project and an 8 KW PV system will be on the Hawaiian Language College.

• UH Maui College - Installed a 12 kW PV system on its rooftop via student interns from its Sustainable Construction Program and installed an 8 kW PV system on a rooftop of a new building along with a 1.2 kW wind turbine system.

• UH Mānoa – Currently, UH Mānoa, has installed or is actively installing 130 kW of PV in several systems on campus and is in the design phase to install an additional 5 MW of PV in FY2012.

# **Benchmarking Requirement**

(1) Each state department shall benchmark every existing public building that is either larger than five thousand square feet or uses more than eight thousand kilowatt-hours of electricity or energy per year and shall use the benchmark as a basis for determining the State's investment in improving the efficiency of its own building stock. Benchmarking shall be conducted using the ENERGY STAR® portfolio management or equivalent tool.

The following agencies did not reply to this section: DHHL, DLNR, DOE, FTZ, HCDA, HPHA, and NELHA.

This section does not apply to the following agencies because DAGS manages their facilities: AG, B&F, DCCA, DHRD, DHS, DLIR, and DOTAX.

**DAGS:** 19 O'ahu Facilities were analyzed. 8 facilities were certified and received an ENERGY STAR® Plaque, 1 facility's score was too low to qualify as an ENERGY STAR® Facility and 9 facilities were not eligible to be benchmarked since they did not fall into one of the ENERGY STAR® categories or had multiple buildings on one electric meter.

The ENERGY STAR® program does not allow benchmarking for campuses (having one electric meter for multiple buildings), parking structures and when a building has a large percentage used as computer rooms.

Benchmarking for Neighbor Island DAGS facilities is currently underway.

**DBEDT:** DBEDT has been active in helping other agencies comply with these requirements through the following activities:

- Arranging and promoting a number of online trainings on using the ENERGY STAR® Portfolio Manager online tool and distributing information on benchmarking to other agencies.
- Assisting other agencies to meet the benchmarking requirements of Act 155 (SLH 2009) by collecting data for input into ENERGY STAR® Portfolio Manager. This data included square footage, occupancy, number of computers, space classifications, percentage of area air-conditioned, hours of operation, and indoor environmental quality measures. To date, 172 facilities have been benchmarked and 18 buildings have received the ENERGY STAR®.
- If a benchmarked building received an ENERGY STAR® score that qualified for certification, DBEDT assisted in completing the application for certification by conducting the necessary indoor environmental quality assessments. These include lighting measurements, CO2 levels, temperature, and humidity measurements.

Setting up and managing a master state ENERGY STAR® Portfolio Manager account. Agency accounts were linked into the master account so that all benchmarked state facilities' data could

be accessed, extracted, and analyzed from a single account. The information collected through the master account is also used in the DBEDT state facility database mentioned above that includes not only Portfolio Manager data, but utility data, demand-side management information, improvement project details, and indoor environmental quality measurements.

**DOA:** Benchmarking study has not been performed due to lack of funding. Benchmarking will be performed when funding becomes available.

**DOD:** DOD is reviewing ENERGY STAR® Portfolio Management. Currently, HIARNG utilizes Utility Manager Pro, a NGB software, while some states do batch load data into Portfolio Manager. FY11, utility site accounts have been modified to reference per building usage versus prior per utility account usage.

**DOH:** The Department of Health is in the process of addressing this.

**DOT-Airports:** The Airports Division has plans to benchmark the major airport terminal buildings. The project is in its planning phase and will inventory the existing facilities energy usage and conditions according to ENERGY STAR® portfolio.

**DOT-Harbors:** Harbors Division will be addressing this benchmarking through (1) staff training for ENERGY STAR® portfolio management or its equivalent; and, (2) implementation through identification and benchmarking its affected buildings.

**DOT-Highways:** One building (Ali'iaimoku Building) owned by the Highways Division applies to Act 155, SLH 2009, and it was assessed in 2010.

**HHFDC:** HHFDC used the FY2008 as its benchmarking year. At that time between July 2007 and June 2008 a complete accounting of all electricity consumed was accounted for in both kWh of usage and dollars paid for the purchase. This accounting was accomplished by transcribing the actual figures from the monthly electric bills submitted for reimbursement. In the coming year it is planned that water and natural gas consumptions over the past years will be collected, graphed and monitored the same as electrical consumption has been.

**HHSC:** HHSC has not yet benchmarked any of their buildings. HHSC will attempt to begin the benchmarking in this next fiscal year.

**HSPLS:** HSPLS initiated the benchmarking of those libraries meeting these criteria with the retro-commissioning projects in FY 2010. See Act 96, (4). Required benchmarking using the ENERGY STAR® portfolio management tool should be completed by the end of FY 2011.

**PSD:** This is being done at Halawa and O'ahu Community Correctional Center under a Guaranteed Energy Savings Agreement and will be models for other facilities.

**UH:** UH Mānoa completed a full benchmarking of all required campus buildings using the ENERGY STAR® portfolio in FY2011.

License Plate	Model	Vehicle Description	Serial Number	Model , Year	Acquisition Cost	Mileage	As of Date	gallons per 100 miles (fuel economy)	average	actual fuel consum. (gal)	fuel
1 SH7297	Chevy	Van passenger - astro	2GNEG25H8N4132080	1992	\$17,053.04	187,387	<u>9/26/2011</u> 6.667/5	6.667/5	5.84	10943.40	10943.40 gasoline87
2 SH9412	Chevy	Corsica	1G1L055MISY264061	1995	\$5,900.00	80,662	9/23/2011	<mark>9/23/2011</mark> 4.762/3.448	4.11	3315.21	3315.21 gasoline87
3 SH9110	Ford	Ranger	1FTCR10U2NUDO6502	1992	\$4,500.00		8/19/2009	<mark>8/19/2009</mark> 5.882/4.762	5.32	0.00	0.00 gasoline87
4 SHB577	Ford	Explorer 4x4 4WD 4door	1FMZU62K75ZA32343	2005	\$24,460.42	78,750	9/26/2011 7.143/5	7.143/5	6.07	4780.13	4780.13 gasoline87
5 SHB268	Chevy	Tahoe	3GNEK18RXVG164830	1997	\$7,500.00	94,107	9/23/2011	<mark>9/23/2011</mark> 7.692/5.882	6.79	6389.87	6389.87 gasoline87
6 SHD 358	Dodge	Caravan	1B4GP25301B158589	2001	\$4,500.00	70,098	9/23/2011	<mark>9/23/2011</mark> 5.556/4.167	4.86	3406.76	3406.76 gasoline87
7 SHD 359	Dodge	Stratus	1B3EL36104N341974	2004	\$7,200	60,170	9/23/2011	<mark>9/23/2011</mark> 4.545/3.333	3.94	2370.70	2370.70 gasoline87
8 SHD 319	Ford	E-350 12psar	1FBNE31L88DA59307	2008	\$27,996.23	41.302	no fuel availab 9/23/2011 vehicle	no fuel rating available on vehicle			dasoline87
			Maui Vehicles								

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			4,538 gasoline 87
		fuel	gaso
actual fuel	consum.	(gal)	4,538
		average (gal)	5.84
gallons per 100	miles (fuel	economy)	6.667/5
		As of date	9/23/2011 6.667/5
		Mileage	77,705
:	Acquisition	Cost	1997 \$23,812.35
	Model	Year	1997
		Serial No.	1J4FJ28S3VL578912
		Vehicle Description	Cherokee SUV 4-door
		Model	Jeep
	License	Plate	1 SH8652

# Kauai Vehicles

		uel	2461.91 gasoline-87
fuel	consump.		
		average	5.97
gallons per 100	miles (fuel	economy)	<mark>9/26/2011</mark> 6.667/5.263
		As of Date	9/26/2011
		Mileage	41,238
	Acquisition	Cost	1999 \$24,943.59
	Model	Year	1999
		Serial Number	1FMZU34X9XZA90464
		Vehicle Description	Ford MPVH Explorer 4x4
		Model	Ford
	License	Plate	SH9218 Ford
	-	Model Acquisition gallons per 100 f	se Model Vehicle Description Serial Number Year Cost Mileage As of Date economy) average (

# Molokai Vehicles

		fuel
fuel	consump.	(gal)
	-	average (
gallons per 100	miles (fuel	economy)
		As of Date
		<mark>Mileage</mark>
	Acquisition	Cost
	Model	Year
		Serial No.
		Description
		Model
	cense	ate

Ford	SH8310 Ford Explorer 4x4 4WD	1FMDU34X8SUC34215	1995	1995 \$24,424.04	115,446	9/23/2011	115,446 9/23/2011 6.667/5.263	5.97	6892.1	6892.1 gasoline
Ŷ	SH8369 Chevy Cargo truck 2dr	1GCGD34J4EF343955	1984	\$1,600.00			n/a		0.0	0.0 diesel
с	3 SH8558 GMC GMC dump truck	1GDP7H1J0VJ501905	1997	\$55,434.00	30,912	30,912 9/23/2011 n/a	n/a		0.0	0.0 diesel
evy	I SHA305 Chevy Silvarado 4x4	1GBHK24U52E113017	2002	\$32,490.00	128,003	9/23/2011	128,003 9/23/2011 7.143/5.882	6.52	8345.8	8345.8 gasoline
SHA907 Ford	Explorer 4x4 4WD	1FMZU72K24ZA03031	2004	\$26,051.43	75,254	9/23/2011 5.263/5	5.263/5	5.13	3860.5	3860.5 gasoline
SHC230 Ford	Ford pick up F250	IFTNF21566EC86474	2006	\$24,355.97	47,019	47,019 9/23/2011 6.667/5	6.667/5	5.84	2745.9	2745.9 gasoline
levy	SHD719 Chevy Pick up Truck S-10	1GCCS145718206292	2001	\$4,500.00	39,974	9/23/2011 5.26/4	5.26/4	4.63	1850.8	1850.8 gasoline
levy	SHD720 Chevy Pick up Truck S-10	1GCCS145118204862	2001	\$4,500.00	56,193	9/23/2011 5.26/4	5.26/4	4.63	2601.7	2601.7 gasoline

# West Hawaii Vehicles

License Plate	Model	Vehicle Description	Serial No.	Model Year	Model Acquisition Year Cost	Mileage	As of Date	gallons per 100 miles (fuel economy)	average	fuel consum. (gal)	leul
1 SHC612 Ford	Ford	Escape	IFMCU93167KA15624	2007	\$24,999.95		17,624 9/26/2011 7.143/5.556	7.143/5.556	6.35	6.35 1119.124 gasoline	gasoline
2 SH9064 Chevy		4x4 pick up truck	1GCGK24R9WE252855	1998	\$25,088.95		<b>116,546</b> 9/26/2011 6.667/5	6.667/5	5.84	5.84 6806.2864 gasoline	gasoline
3 SH9054 GMC	GMC	Dump truck auto car	1WBUCCJF8GH	1986	\$13,166.04	70,619	<u>9/26/2011</u> 6.667/5	6.667/5	5.84	5.84 4124.1496 gasoline	gasoline
4 SHB591	Chrysler	SHB591 Chrysler 1500 Quad cab pickup	1D7HU18N45J516396	2005	\$26,568.59		<b>130,355</b> 9/26/2011 7.143/5.556	7.143/5.556	6.35	6.35 8277.5425 gasoline	gasoline
5 SH8514	SH8514 Chevy	Flatbed truck	1GBHK34J4VF008123	1997	\$30,449.95	56,454	9/26/2011			0	) gasoline
6 SH847	SnowBr Trailer	Trailer	2SWUW11456260072	2005		no mileage		n/a			gasoline

# East Hawaii Vehicles

	37	37	37																															
Fuel	gasoline -8	gasoline -8	gasoline -8																															
iuel cons. (gal)	5.97 5939.7321 gasoline -87	5.32 2262.2236 gasoline -87	6.79 5585.9293 gasoline -87																															
fuel c average (gal)	5.97	5.32	6.79																															
er 100 I	99,493 9/26/2011 6.667/5.263	42,523 9/26/2011 5.882/4.762	82,267 9/26/2011 7.692/5.882																															
gallons pe miles (fue As of Date economy)	9/26/2011	9/26/2011	9/26/2011																															
Mileage	99,493		82,267																															
Acquisition Cost	2002 \$24,999.01	2005 \$24,778.06	2008 \$31,381.05																															
Model Year	2002	2005	2008																															
Serial No.	4M2ZU76E11UJ09823	5TEUU42N55Z122690	1D7HU18218J178398																															
Description	SHA154 Mercury Mountaineer	SHB897 Toyota Tacoma 4x4 v6	3 SH 337 Dodge Ram 1500																															
Model	Mercury	Toyota	Dodge																															
License Plate	1 SHA154	2 SHB897	3 SH 337																															
		Annual Avg Fuel Econ		0.0	6.4	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	5.2	9.9	7.6	9.0	5.8	0.0	0.0	0.0	0.0	0.6	0.0	11.8	0.0	10.1	7.5	5.7	9.9	0.0
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		Annual Fuel Consum		0	202.36	0	0	208.85	0	0	0	0	0	0	233.9	84224.64	208.1	133.44	433.85	169.94	378.27	0	0	0	0	71.73	0	984.25	0	502.1	323.15	27.79	759.83	0
		Annual Mileage		0	1296	0	0	1414	0	0	0	0	0	0	1200	2139	1086	1319	3296	1532	2182	0	0	0	0	42	0	11585	0	5079	2424	158	7529	0
		In-use Avg Fuel Econ		2120.0	7.6	12.3	11.7	10.4	23.8	10.2	12.7	17.6	13.8	14.5	5.1	0.0	5.2	9.9	7.6	9.0	5.8	10.5	11.1	9.3	12.7	0.6	12.9	12.5	13.4	10.7	7.5	5.7	9.5	12.5
		In-Use Fuel Consum.		0.1	556.3	47.7	150.3	368.55	55.4	118.67	211.85	89.07	40.09	189.96	233.9	84224.64	208.1	133.44	433.85	169.94	378.27	135.39	395.14	68.15	387.02	71.73	627.02	3359.6	324.1	1854.91	1046.73	27.79	1050.32	267.29
c		In-Use Mileage		212	4243	585.1	1756	3831	1319	1215	2698	1571	552	2761	1200	2139	1086	1319	3296	1532	2182	1419	4380	637	4909	42	8061	41878	4358	19770	7897	158	9934	3346
catio	ort	Fuel Type		DIESEL																														
Educ	l Rep	Acq. Cost		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146199.61	33172
epartment of Education	Vehicle Fuel Report	EPA City Fuel Econ																																
Irtme	shicle	EPA Hwy Fuel Econ																																
Depa	Ve	GVWR		6250	14908	XXXX	XXXX	5556	9400	9400	9400	9400	9400	9400	XXXX	9400	9400	9400	13000	8800	8570	0086	XXXX	13000	12460	8800	16000	XXXX						
		NIV		1FTEF15Y7SLB50326	1NPZH27X73D714835	1FTNF20P13ED82432	1FTNF20PX3ED82431	1FTNF20D33ED82433	1FTSF20P85EA36576	1FTSF20PX5EA36577	1FTSF20P15EA36578	1FTSF20P35EA36579	1FTSF20PX5EA36580	1FTWF32P65EA36581	1T7YT4A2061270174	1T7YT4A2561270171	1T7YT4A2261270175	1T7YT4A2661270177	1T7YT4A2461270176	1T7YT4A2861270178	1T7YT4A2X61270179	1FTSF20P96EB12579	1FTSF20P56EB12580	1FTSF20P76EB12581	1FDWF36P76EB24319	3B6KC26Z3XM580714	1FDSX20R78EA28953	1FDSX20R98EA28954	1FDSX20R38EA28951	1FDWX36R28EA24355	1PDXF46R98EA09249	386KC25Z51M555191	2NPRHN8X79M787259	1GCHC44649E109397
		License Plate #		SHA547	SHA653	SHA899	SHA900	SHA901	SHB436	SHB437	SHB438	SHB439	SHB440	SHB441	SHB748	SHB749	SHB751	SHB752	SHB753	SHB754	SHB761	SHC196	SHC197	SHC198	SHC344	SHC451	SHC719	SHC741	SHC749	SHC762	SHD163	SHD579	SHD701	SHD705
		Year		1995	2003	2003	2003	2003	2005	2005	2005	2005	2005	2005	2006	2006	2006	2006	2006	2006	2006	2006	2006	2006	2006	1999	2008	2008	2007	2007	2007	2001	2009	2009
		Model	DIESEL	PICKUP	FLATBED	PICKUP	BUS	PICKUP	F-250	PICKUP	FLATBED	ΠΤΙΓΙΤΥ	UTILITY	ΠΤΙΓΙΤΥ	UTILITY	ΠΤΙΓΙΤΥ	PICKUP	ΠΤΙΓΙΤΥ	XXXX	PICKUP														
		Make	Fuel Type:	FORD	PTRB	FORD	THOMAS	EX THOMAS	THOMAS	THOMAS	THOMAS	THOMAS	THOMAS	FORD	FORD	FORD	FORD	DODGE	FORD	FORD	FORD	FORD	CHEV	DODGE	PTRB	CHEV								

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Appendix 2: Department of Education Vehicle Data

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				-	Depart	tmei	epartment of Education	ucatic	Ę					
					Veh	icle	<b>Vehicle Fuel Report</b>	port						
Make	Model	Year	License Plate #	NIA	GVWR I	EPA Hwy I Fuel Econ	EPA City Fuel Econ Acq. Cost	Fuel st Type	In-Use Mileage	In-Use Fuel Consum.	In-use Avg Fuel Econ	Annual Mileage	Annual Fuel Consum	Annual Avg Fuel Econ
Fuel Type:	DIESEL													
CHEV	PICKUP	2008	SHD706	1GCHC44689E107961	6100		0	DIESEL	343	25.71	13.3	0	0	0.0
CHEV	PICKUP	2009	SHD707	1GCHK73649F103700	0066		39215	DIESEL	9420	758.84	12.4	3969	368.51	10.8
FORD	ΠΤΙΓΙΤΥ	2009	SHD789	1FDSF30R29EA00827	7440		0	DIESEL	8132	737.86	11.0	2255	227.61	9.9
FORD	ΠΤΙΓΙΤΥ	2009	SHD790	1FDSF30R49EA00828	10000		0	DIESEL	11383	961.43	11.8	4716	411.13	11.5
FORD	ΠΤΙΤΤΥ	2009	SHD791	1FDSF30R69EA00829	7300		0	DIESEL	11851	878.17	13.5	5124	402.14	12.7
FORD	ΠΤΙΤΤΥ	2009	SHD792	1FDSF30R29EA00830	10000		0	DIESEL	17606	1295.16	13.6	7806	560.88	13.9 Ab
FORD	FLATBED	2008	SHD804	1FDWF36R58EE58062	XXXX		41632.96	6 DIESEL	6350	586.36	10.8	1808	183.77	8.6
FORD	F-350	2008	SHD806	1FDWF36R08EE56154	XXXX		14632.96	9 DIESEL	6018	574.59	10.5	3584	350.38	10.2
FORD	ΠΤΙΓΙΤΥ	2002	SHD961	1FTWF32F32EA37190	11000		0	DIESEL	718	16.82	42.7	718	16.82	42.7
PTRB	XXXX	2009	SHE132	ZNPLHM6X89M787192	XXXX		0	DIESEL	16338	2219.11	7.4	15568	2109.37	7.7 Det
INTL	4400 DUMP	2011	SHE475	1HTMKAAL2BH390035	26000		111452.62	52 DIESEL	525	88.37	5.9	525	88.37	6.2
Fuel Type:	GAS													nent
วพย A4	S14Z	1989	SH4107	1GT6CS14Z0K8528101	4900		0	GAS	492	24.7	19.9	0	0	0.0
CHEV	ΠΤΙΓΙΤΥ	1991	SH4140	1GBGC24K2LE229689	6000		0	GAS	13251	1161.52	11.4	4930	465.01	10.6
CHEV	PICKUP	1990	SH4142	1GBGC24K4LE229709	8600		0	GAS	19380	1623.71	11.9	5776	572.98	10.1
GMC	PICKUP	1986	SH4153	1GTDC14HXGJ525747	5200		0	GAS	1374	161.4	8.5	272	20.3	13.4
DODGE	STKE	1991	SH4207	1B6ME3656MS327606	10000		20268.46	6 GAS	6187	666.3	9.3	0	0	0.0
FORD	ΟΤΊLΙΤΥ	1988	SH4219	1FDJF37G1JKA14207	8800		0	GAS	6898	1532.66	4.5	2404	580.91	1.4 1.1
CHEV	ΠΤΙΓΙΤΥ	1991	SH4222	1GBGR33K4MF300683	0006		0	GAS	3999	432.35	9.2	0	0	0.0
CHEV	PICKUP	1990	SH4224	1GBGC24K3LE229460	8600		0	GAS	860	77.37	11.1	0	0	0.0
CHEV	ΠΤΙΓΙΤΥ	1992	SH4229	1GBGC24KXNE196864	7200		0	GAS	8106	719.1	11.3	1540	81.5	18.9
CHEV	ΠΤΙΓΙΤΥ	1992	SH4230	1GBGC24K2NE196907	8600		0	GAS	9081	826.08	11.0	2881	250.33	11.5
CHEV	PICKUP	1993	SH5946	1GCFC24K6PE196757	7200		0	GAS	6164	561.66	11.0	2993	253.16	11.8
CHEV	PICKUP	1993	SH5947	1GCFC24K1PE197377	7200		0	GAS	10759	975.33	11.0	5588	584.69	9.6
CHEV	CHEYENNE	1993	SH5948	1GCFC24K2PE196450	7200		0	GAS	4609	430.18	10.7	3073	287.83	10.7
GMC	PICKUP	1994	SH6968	1GCDC14H3RZ207229	XXXX		0	GAS	1087	94.17	11.5	0	0	0.0
CHEV	PICKUP	1994	SH6976	1GSGC24K9RE237292	7200		0	GAS	2512	188.9	13.3	0	0	0.0
CHEV	VAN	1994	SH7033	1GBGP32K9R3304874	XXXX		0	GAS	2912	564.58	5.2	1905	324.32	5.9
CHEV	VAN	1994	SH7097	1GBGP32K7R3304775	XXXX		0	GAS	2120	214.41	9.9	1445	142.49	10.1
CHEV	VAN	1994	SH7098	1GBGP32K7R3305333	XXXX		0	GAS	1996	245.79	8.1	1587	186	8.5
CHEV	VAN	1994	SH7099	1GBGP32KXR3305399	XXXX		0	GAS	4034	418.12	9.6	1571	152.47	10.3
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### Appendix 2: Department of Education Vehicle Data

		Annual Avg Fuel Econ		7.5	10.3	7.2	8.7	0.4	0.0	0.0	11.2	12.7	11.2	11.8	12.7	13.0	18.8	2.8	4.6	2.0	8.7	6.6	0.0	2.8	9.4	3.9	10.7	4.0	7.5	0.0	14.6	0.0	6.8	12.6
		Annual Fuel Consum		238	295.61	293.91	178.33	148.3	0	0	524.71	304.1	185.15	302.38	77.14	304.5	63	208.69	224.77	370.55	389.59	262.22	0	30.51	200.7	197.87	282.06	49.9	159.07	0	114.01	0	132.6	448.01
		Annual Mileage		1787	3034	2130	1551	60	0	0	5885	3856	2071	3580	976	3945	1183	590	1041	744	3404	1731	0	84	1896	779	3014	199	1200	0	1659	0	907	5623
		In-use Avg Fuel Econ		8.3	8.3	6.7	6.6	0.3	19.2	13.6	11.8	12.8	9.6	13.3	11.4	11.2	13.9	3.0	5.4	2.2	8.0	5.0	3.9	8.7	8.1	5.3	10.1	9.7	7.3	17.9	13.9	23.7	6.2	12.4
		In-Use Fuel Consum.		513.75	627.9	651.21	408.3	323.95	67.16	340.98	2791.75	694.05	782.93	651.57	207.54	959.48	153.15	349.94	344.68	580.04	640.51	487.5	167.71	51.51	504.72	413.16	405.17	114.9	349.55	126.11	158.93	68.56	220.7	746.03
E		In-Use Mileage		4284	5198	4351	2702	101	1291	4628	32985	8850	7520	8694	2370	10760	2123	1041	1861	1293	5131	2428	661	447	4078	2173	4103	1116	2561	2252	2203	1627	1372	9245
catio	ort	Fuel Type		GAS																														
Educ	Rep	Acq. Cost		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
epartment of Education	<b>Vehicle Fuel Report</b>	EPA City Fuel Econ																																
Irtme	shicle	EPA Hwy Fuel Econ																																
Depa	Ve	GVWR		XXXX	XXXX	XXXX	XXXX	XXXX	7200	7200	7200	7200	7200	7200	4340	7200	7200	XXXX	4720	XXXX	2500	XXXX	4340											
		NIA		1GBGP32K0R3305427	1GBGP32K9R3305488	1GBGP32K7R3304842	1GBGP32K3R3305521	1GBGP32K4R3304927	1GCFC24H3NE113402	1GBJC34RZYF475443	1GCFC24H2PZ139484	1GCFC24KXNE209619	1GCFC24K4NE212144	1GCFC24H6MZ120707	1GCFC24HXMZ120709	1GCFC24H3MZ154880	1GCFC24H3MZ153499	1GCFP22M9B3311297	1GTFP22K1K3500637	1GTFP22K5k3500561	1GCHP32KXK3313315	1GCHP32K2K3313213	1GCGP32K0L3303812	1GCFP22M2E3338930	1GCGP32K5L3304065	1GCGP32K9L3304456	1GCFP22MXE3338934	1GCHP32K3K3313124	1FCHE30E1CHA77712	1FTCA14U5JZB68145	1FCHE30E8CHA77710	1Y1SK5265SZ101563	1GCHP32K9K3313371	1GCFC24H1SE282555
		License Plate #		SH7100	SH7101	SH7103	SH7104	SH7106	SH7663	SH7741	SH7750	SH7759	SH7760	SH7762	SH7763	SH7764	SH7765	SH7806	SH7808	SH7809	SH7810	SH7811	SH7812	SH7842	SH7844	SH7845	SH7879	SH7882	SH7894	SH7896	SH8012	SH8077	SH8125	SH8157
		Year		1994	1994	1994	1994	1994	1992	2000	1993	1992	1992	1991	1995	1991	1991	1981	1989	1989	1989	1989	1990	1984	1990	1990	1984	1989	1982	1988	1982	1995	1989	1995
		Model	GAS	VAN	VAN	VAN	VAN	VAN	PICKUP	FLATBED	ΛΤΙΓΙΤΥ	SIERRA	PICKUP	PICKUP	PICKUP	PICKUP	PICKUP	VAN	Aerostar	VAN	Prizm	VAN	PICKUP											
		Make	Fuel Type:	CHEV	CHEV A5	CHEV	CHEV	GMC	GMC	CHEV	FORD	FORD	FORD	CHEV	CHEV	CHEV																		

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					Depai	rtme	nt of -	epartment of Education	atior.	-					
					<pre></pre>	hicle	Fue	Vehicle Fuel Report	t						
Make	Model	Year	License Plate #	NIA	GVWR	EPA Hwy Fuel Econ	EPA City Fuel Econ	Acq. Cost	Fuel Type	In-Use Mileage	In-Use Fuel Consum.	In-use Avg Fuel Econ	Annual Mileage	Annual Fuel Consum	Annual Avg Fuel Econ
Fuel Type:	GAS														
CHEV	PICKUP	1995	SH8158	1GCFC24H8SE283332	7200			0	GAS	9329	772.27	12.1	4315	454.31	9.5
CHEV	PICKUP	1995	SH8159	1GCFC24H4SE284641	7200			0	GAS	2636	171.26	15.4	610	58.44	10.4
CHEV	VAN	1990	SH8198	1GCGP32K0L3303910	XXXX			0	GAS	559	76.3	7.3	438	67.3	6.5
CHEV	PICKUP	1996	SH8289	1GCFC24MXTE190844	7200			0	GAS	8960	817.18	11.0	4004	360.1	11.1
CHEV	PICKUP	1996	SH8290	1GCFC24M3TE189888	7200			0	GAS	1407	81.6	17.2	0	0	0.0
CHEV	PICKUP	1996	SH8291	1GCFC24M8TE192804	7200			0	GAS	7981	677.02	11.8	3210	292.11	11.0
CHEV	PICKUP	1996	SH8292	1GCFC24M9TE189538	7200			0	GAS	5766	401.66	14.4	3242	267.36	12.1
CHEV	PICKUP	1996	SH8465	1GCFC24M3VE125997	7200			18749	GAS	3164	317.05	10.0	575	56.97	10.1
CHEV	VAN	1996	SH8512	1GBH32R5V3300476	XXXX			0	GAS	2577	327.67	7.9	1812	232.36	7.8
CHEV	NAN	1997	SH8566	1GBHP32R6V3300552	XXXX			0	GAS	1505	255	5.9	811	144	5.6
CHEV	SEDAN	1993	SH8667	1G1BL537XPR133210	5258			0	GAS	4072	383.4	10.6	0	0	0.0
CHEV	PICKUP	1998	SH8778	1GCFC24M5WZ127387	7200			19585	GAS	11287	1030.88	10.9	4963	486.72	10.2
CHEV A6	PICKUP	1998	SH8830	1GCGK24R8WZ157129	8600			24840	GAS	1495	158.1	9.5	0	0	0.0
CHEV	PICKUP	1998	SH8864	1GBHC34R3WF015798	7200			0	GAS	5315	422.22	12.6	1746	132.82	13.1
CHEV	υΤΊLΙΤΥ	1991	SH8870	1GCFC24H1MZ162749	7200			0	GAS	21938	1626.07	13.5	4578	292.27	15.7
CHEV	ΠΤΙΓΙΤΥ	1990	SH8872	1GCFC24H0LZ193019	7200			0	GAS	1269	55.86	22.7	1269	55.86	22.7
ΗΥUN	Elantra	1998	SH8964	KMHJF24M5WU693530	2830			0	GAS	1115	23.87	46.7	0	0	0.0
CHEV	ΠΤΙΓΙΤΥ	1991	SH9042	1GCFC24H6MZ163394	8600			0	GAS	13481	1163.37	11.6	858	83.36	10.3
GMC	STKE	1991	SH9069	1GDHC34K1ME5532840	10000			0	GAS	11185	1225.93	9.1	3942	455.62	8.7
CHEV	ΠΤΙΓΙΤΥ	1999	SH9301	1GBHC34F0XF014518	10000			0	GAS	5697	572.87	9.9	2559	245.17	10.4
CHEV	PICKUP	1999	SH9458	1GCGC24R5XR716263	7200			0	GAS	5072	316.62	16.0	1716	138.04	12.4
CHEV	Cavalier	2000	SH9525	3G1JC5240YS117423	2700			0	GAS	1081	48.89	22.1	0	0	0.0
CHEV	Cavalier	2000	SH9526	3G1JC5244YS118123	2700			0	GAS	6354	302.08	21.0	0	0	0.0
CHEV	Cavalier	2000	SH9530	3G1JC5249YS117422	2700			0	GAS	3023	120.06	25.2	258	11.64	22.2
CHEV	Cavalier	2000	SH9531	3G1JC5240YS118491	2700			0	GAS	3002	142.51	21.1	0	0	0.0
CHEV	Cavalier	2000	SH9535	3G1JC5249YS118117	2700			14063.94	GAS	8871	366.75	24.2	1887	81.59	23.1
CHEV	PICKUP	1994	SH9769	1GCDC14Z2RZ236018	5600			0	GAS	1511	92.2	16.4	0	0	0.0
CHEV	ΠΤΙΓΙΤΥ	1993	SH9770	1GCFC24H3PZ139347	5060			0	GAS	30780	2796.2	11.0	8361	704.6	11.9
CHEV	PICKUP	1994	SH9771	1GCFC24Z5RZ245617	7200	22	16	8000	GAS	305	24.15	12.6	0	0	0.0
FORD	FLATBED	1992	SH9779	2FDLF47G5NCA63497	15000			0	GAS	706	67	10.5	0	0	0.0
CHEV	υΤΊLΙΤΥ	1994	SH9841	1GCFC24H1RZ266816	7200			0	GAS	16787	1490.52	11.3	4966	435.24	11.4

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		Annual Avg Fuel Econ		14.8	12.0	17.4	15.9	0.0	21.8	17.4	13.6	21.8	22.4	12.8	17.0	0.0	8.7	5.0	0.0	18.7	13.8	13.5	19.6	20.9	10.3	9.1	12.4	10.0	10.6	12.0	0.0	0.0	5.5	22.5
		Annual Fuel Consum		165.7	207.6	249.3	263.3	0	25	156.1	529.9	55	250.8	171.24	202.89	0	182.47	37	0	79	97.35	221.53	421.6	64.3	240.74	510	357.6	588.78	377.59	270.53	0	0	389.72	142.18
		Annual Mileage		2450	2481	4336	4177	0	546	2713	7215	1199	5612	2198	3448	0	1589	184	0	1474	1344	3000	8260	1347	2471	4620	4434	5902	3986	3249	0	0	2160	3203
		In-use Avg Fuel Econ		15.2	11.8	15.4	15.4	13.7	15.0	19.1	13.8	20.6	23.0	13.3	14.1	15.1	12.2	5.0	18.0	16.0	12.2	12.1	20.6	23.1	8.6	10.1	11.2	10.8	11.2	11.5	21.1	10.7	6.2	21.2
		In-Use Fuel Consum.		756.5	1606.9	2089.3	1177.7	265.3	749.01	375.1	1688.66	266.4	550.1	323.19	301.13	286.87	323.22	37	118.5	351.19	136.39	430.79	1185.2	249	503.94	2181.8	2001.8	2339.5	1825.09	1744.87	45.37	786.83	808.58	327.62
c		In-Use Mileage		11512	19024	32116	18142	3635	11255	7182	23285	5498	12665	4299	4236	4331	3941	184	2132	5619	1670	5234	24364	5755	4336	22040	22448	25288	20509	20051	959	8441	5048	6952
catio	ort	Fuel Type		GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS							
Educ	Rep	Acq. Cost		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
epartment of Education	<b>Vehicle Fuel Report</b>	EPA City Fuel Econ									16																							
rtme	hicle	EPA Hwy Fuel Econ									22																							
Depa	Ve	GVWR		6150	6000	5300	5300	5600	6000	5300	7200	4722	4722	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4722	4722	XXXX	8600	8600	8600	8600	7200	4900	8600	XXXX	2430
		NIA		1B7HL26X2TS682625	1FTDF172XVKD55847	1GCCS14Z9R8226557	1GCCS19Z0R8226181	1GCDC14Z9RZ223993	1GCEC14Z2RZ267791	1GCCS14Z9R8225523	1GCFC24ZXRZ245435	1FALP224VG223165	1FALP5220VG223163	1FTNS24L81HB36606	1TFTNS24L61HB36605	1FTNS24L41HB36599	1FTNS24L7AHB36600	1FTNS24L91HB36601	1FTNS24L01HB36602	1FTNS24L21HB36603	1FTNS24L41HB36604	1FTNS24L11HB36608	1FALP5226VG223166	1FALP5222VG223164	1GBGP32K2R3305347	1GCGG35KOPF340875	1GFGG35K6PF240704	1GBGC24K0RE260917	1GBGC24K3RE261673	1GCFC24H8PZ137190	1GCCS1423R8226201	1GCGG35K0PF339354	1GBGP32KXR3305449	1NXBR12E81Z493686
		License Plate #		SH9842	SH9843	SH9921	SH9922	SH9923	SH9928	SHA120	SHA121	SHA138	SHA153	SHA163	SHA164	SHA165	SHA166	SHA167	SHA168	SHA169	SHA170	SHA172	SHA174	SHA175	SHA203	SHA220	SHA221	SHA222	SHA229	SHA249	SHA284	SHA297	SHA321	SHA328
		Year		1996	1997	1994	1994	1994	1994	1994	1994	1997	1997	2001	2001	2001	2001	2001	2001	2001	2001	2001	1997	1997	1994	1993	1993	1994	1994	2001	1994	1993	1994	2001
		Model	GAS	DAKOTA	PICKUP	S-10	S-10	PICKUP	PICKUP	PICKUP	PICKUP	Taurus	Taurus	VAN	VAN	VAN	VAN	VAN	VAN	VAN	VAN	VAN	Taurus	Taurus	VAN	VAN	VAN	PICKUP	ΠΤΙΓΙΤΥ	υΤΊLΙΤΥ	S-10	VAN	VAN	Corolla
		Make	Fuel Type:	DODGE	FORD	CHEV	CHEV	CHEV	CHEV	CHEV	CHEV	FORD	FORD	FORD	FORD	FORD	FORD	FORD	FORD	FORD	FORD	FORD	FORD	FORD	CHEV	тоүота								

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					Depar	tme	epartment of Education	Educ	atior	F					
					Veh	nicle	Vehicle Fuel Report	Repo	ort						
Make	Model	Year	License Plate #	NIA	GVWR	EPA Hwy Fuel Econ	EPA City Fuel Econ	Acq. Cost	Fuel Type	In-Use Mileage	In-Use Fuel Consum.	In-use Avg Fuel Econ	Annual Mileage	Annual Fuel Consum	Annual Avg Fuel Econ
Fuel Type:	GAS														
FORD	Taurus	2000	SHA329	1FAFP5326YA142204	3300			12493.99	GAS	3479	145.27	23.9	1362	38.8	35.1
CHEV	ΠΤΙΓΙΤΥ	1994	SHA333	1GBHC34K2RE313546	8800			0	GAS	25584	2604.1	9.8	5936	642.72	9.2
CHEV	ΛΤΙΓΙΤΥ	1994	SHA337	1GBHC34K5RE176621	10000			0	GAS	26016	2939.05	8.9	4201	497.9	8.4
CHEV	ΛΤΙΓΙΤΥ	1994	SHA338	1GBGC24K6RE302619	8600			0	GAS	12115	1215.11	10.0	3244	347.78	9.3
CHEV	ΠΤΙΓΙΤΥ	1994	SHA339	1GBHC34K3RE176973	10000			0	GAS	23674	2408.7	9.8	4785	424.6	11.3
CHEV	ΟΤΊΓΙΤΥ	1994	SHA340	1GCFC24H6RZ267679	7200			0	GAS	19902	1590.09	12.5	6707	570.93	11.7
CHEV	STKE	1995	SHA342	1GBHC34K5SE239285	10000			0	GAS	1166	42.7	27.3	0	0	0.0
CHEV	PICKUP	1994	SHA343	1GBHC34K8RE174698	7200			0	GAS	2120	184.79	11.5	0	0	0.0
CHEV	ΠΤΙΓΙΤΥ	1994	SHA344	1GCFC24HRZ267583	7200			0	GAS	6012	561.05	10.7	886	93.35	9.5
CHEV	ΠΤΙΓΙΤΥ	1994	SHA352	1GCFC24H8RZ266579	7200			0	GAS	39079	3164.4	12.3	10192	849.8	12.0
тоүота	Corolla	2003	SHA362	1NXBR32E53Z000349	2700			0	GAS	2232	85.93	26.0	0	0	0.0
тоуота	COROLLA	2003	SHA363	1NXBR32E93Z011046	2700			0	GAS	1489	63.3	23.5	0	0	0.0
CHEV A8	PICKUP	1994	SHA367	1GCFC24H8RZ268123	7200			0	GAS	1556	78.86	19.7	509	25.54	19.9
GMC	PICKUP	1994	SHA368	1GTFC24H6RE550414	7200			0	GAS	1426	136.13	10.5	0	0	0.0
GMC	UTILITY	1994	SHA383	1GTFC24H3RE549494	7200			0	GAS	12288	1261.36	9.7	1609	164.64	9.8
CHEV	ΠΤΙΓΙΤΥ	1994	SHA384	1GBHC34KXRE177120	8600			0	GAS	31127	3375.3	9.2	6255	662.4	9.4
FORD	SEDAN	1998	SHA405	1FAFP6535WK269271	4078			0	GAS	1365	60.7	22.5	258	11.6	22.2
FORD	TAURUS	1998	SHA447	1FAFP5222WG216116	4722			0	GAS	21453	1107.4	19.4	5823	321	18.1
FORD	TAURUS	1998	SHA449	1FAFP5226WG216118	4722			0	GAS	22713	1155.6	19.7	5532	252.2	21.9
CHEV	Malibu	2002	SHA458	1G1ND52JX2M645109	3090			0	GAS	14583	732.61	19.9	1686	48.64	34.7
FORD	PICKUP	1995	SHA547	1FTEF15Y7SLB50326	6250			0	GAS	20332	1512.07	13.4	3846	295.98	13.0
FORD	PICKUP	1997	SHA548	1FTDF1721VKD55817	6000			0	GAS	8944	703.78	12.7	0	0	0.0
CHEV	VAN	1995	SHA549	1GCGG35K2SF146082	8600			0	GAS	34568	3022.5	11.4	8306	753.74	11.0
PTRB	FLATBED	2003	SHA653	1NPZH27X73D714835	14908			0	GAS	296	40.01	7.4	0	0	0.0
CHEV	VAN	1995	SHA674	1GCGG35K1SF147496	8600			0	GAS	15244	1681	9.1	506	59	8.6
CHEV	STKE	1995	SHA675	1GBHC34K6SE240588	10000			0	GAS	11972	1312.79	9.1	4118	402.33	10.2
FORD	F-150	195	SHA676	1FTEF15YXSLB50319	6250			0	GAS	20720	1443.2	14.4	9338	665.8	14.0
FORD	ΠΤΙΓΙΤΥ	2003	SHA794	1FDXF46P23EC13754	15000			0	GAS	13746	1120.03	12.3	3797	310	12.2
тоуота	Corolla	2003	SHA812	1NXBR32EX32178371	2700			0	GAS	928	45.32	20.5	0	0	0.0
CHEV	ΟΤΙΓΙΤΥ	1995	SHA820	1GBHC34K4SE203233	10000			0	GAS	26714	2550.46	10.5	6908	666.47	10.4
CHEV	ΠΤΙΓΙΤΥ	1994	SHA821	1GBHC34K9RE311406	5960			0	GAS	26710	2833.05	9.4	6629	715.75	9.3

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Make	Model	Year	License Plate #	NIN	GVWR	Fuel Econ	Fuel Econ	Acq. Cost	Fuel Type	In-Use Mileage	Fuel Consum.	Avg Fuel Econ	Annual Mileage	Fuel Consum	Avg Fuel Econ
Fuel Type:	GAS														
CHEV	ΛΤΙΓΙΤΥ	1995	SHA822	1GBHC34K8SE117729	10000			0	GAS	12919	1431.7	9.0	8222	893.24	9.2
CHEV	ΠΤΙΓΙΤΥ	1995	SHA839	1GBHC34K2SE204476	10000			0	GAS	31089	3220.03	9.7	6601	678.4	9.7
CHEV	υΤΊΓΙΤΥ	1991	SHA840	1GBHC34K7RE311047	5260			0	GAS	26744	3215.5	8.3	6373	830	7.7
CHEV	υΤΊΓΙΤΥ	1995	SHA841	1GBHC34K8SE203428	10000			0	GAS	16982	1758.23	9.7	4265	449.74	9.5
FORD	TAURUS	1999	SHA869	1FAFP5220XG290362	4722			0	GAS	11977	578	20.7	4153	217.9	19.1
GMC	PICKUP	1999	SHA896	1GTGC33R3XF094531	0006			0	GAS	18790	1826	10.3	4442	414	10.7
FORD	PICKUP	1998	SHA897	1FTRF27Z9WKB88228	6930			0	GAS	4879	390.2	12.5	0	0	0.0
FORD	PICKUP	2003	SHA901	1FTNF20D33ED82433	5556			0	GAS	9782	875.08	11.2	5663	518.87	10.9
FORD	VAN	2001	SHA912	1FTNS24LX1HB36607	XXXX			0	GAS	2065	120.03	17.2	962	32.33	29.8
CHEV	υΤΊΓΙΤΥ	1996	SHA999	1GBGC24R5TE125582	8600			0	GAS	21941	2115.6	10.4	1433	108	13.3
тоүота	Corolla	2003	SHB125	1NXBR32E63Z183356	2700			0	GAS	15540	1255.86	12.4	0	0	0.0
NISSAN	Sentra	2003	SHB130	3N1CB51D63L782093	2760			0	GAS	23795	1027.18	23.2	2818	107.14	26.3
A NISSAN	Sentra	2003	SHB134	3N1CB51D03L712850	2760			0	GAS	5109	238.84	21.4	1455	35.5	41.0
NISSAN	SENTRA	2003	SHB136	3N1CB51D23L775254	2760			0	GAS	2301	99,99	23.0	0	0	0.0
NISSAN	Sentra	2003	SHB137	3N1CB51D93L790222	2760			0	GAS	8636	358.05	24.1	942	40.95	23.0
NISSAN	Sentra	2003	SHB138	3N1CB51D63L795667	2760			0	GAS	15062	460.38	32.7	0	0	0.0
NISSAN	Sentra	2003	SHB140	3N1CB51D43L796722	2760			0	GAS	11878	438.4	27.1	0	0	0.0
NISSAN	Sentra	2003	SHB142	3N1CB51D63L796723	2760			0	GAS	4869	213	22.9	448	25.2	17.8
NISSAN	Sentra	2003	SHB143	3N1CB51D03L793235	2760			0	GAS	13867	530.24	26.2	2624	93.56	28.0
NISSAN	Sentra	2003	SHB144	3N1CB51D53L793246	2760			0	GAS	13610	538.77	25.3	0	0	0.0
CHEV	υΤΊLΙΤΥ	1996	SHB191	1GBGC24R0TE122590	8600			0	GAS	24905	2392.56	10.4	7365	692.76	10.6
CHEV	υΤΊLΙΤΥ	1996	SHB192	1GBGC24R5TE125033	8600			0	GAS	19921	1734.7	11.5	2054	148	13.9
FORD	ΟΤΙΓΙΤΥ	1996	SHB197	1FDHF25H8TEB77037	5600			0	GAS	18557	1713.37	10.8	2101	191.74	11.0
CHEV	ΟΤΙΓΙΤΥ	1996	SHB198	1GBGC24R9TE125648	9360			0	GAS	30397	2460.63	12.4	7919	646.18	12.3
CHEV	υΤΊLΙΤΥ	1996	SHB200	1GBGC24R7TE130380	8600	19	15	0	GAS	16556	1569.41	10.5	4581	440.92	10.4
FORD	ΟΤΙΓΙΤΥ	1996	SHB305	1FDHF25H8TEB77040	5620			0	GAS	26246	2596.3	10.1	7650	696.2	11.0
CHEV	ΟΤΙΓΙΤΥ	1996	SHB306	1GBJK34R3TE184368	10000			0	GAS	19662	2162.71	9.1	6259	735.17	8.5
CHEV	PICKUP	1997	SHB339	1GCCS14X8V8190112	4400			0	GAS	748	46.5	16.1	0	0	0.0
CHEV	PICKUP	1997	SHB397	1GCFC24M9VE249787	7200			0	GAS	3270	278.19	11.8	850	82.99	10.2
FORD	PICKUP	2005	SHB436	1FTSF20P85EA36576	9400			0	GAS	11241	1079.75	10.4	5155	518.73	9.9
FORD	PICKUP	2005	SHB437	1FTSF20PX5EA36577	9400			0	GAS	6696	607.05	11.0	4544	420.15	10.8

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Annual

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Department of Education Vehicle Fuel Report

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					Depar	tmer	epartment of Education	lucat	ion					
					Veh	nicle	Vehicle Fuel Report	eport						
Make	Model	Year	License Plate #	NIA	GVWR	EPA Hwy El Fuel Econ	EPA City Fuel Econ Acq. Cost	Fuel Cost Type	el In-Use De Mileage	In-Use Fuel Consum.	In-use Avg Fuel Econ	Annual Mileage	Annual Fuel Consum	Annual Avg Fuel Econ
Fuel Type:	GAS													
FORD	PICKUP	2005	SHB438	1FTSF20P15EA36578	9400		0	GAS	S 7207	747.7	9.6	3022	273.82	11.0
FORD	PICKUP	2005	SHB440	1FTSF20PX5EA36580	9400		0	GAS	S 5033	508.46	9.9	3973	383.06	10.4
FORD	PICKUP	2005	SHB441	1FTWF32P65EA36581	9400		0	GAS	S 848	45.65	18.6	0	0	0.0
FORD	VAN	1997	SHB473	1FTJE34L9VHC12562	9500		0	GAS	S 32407	3181.57	10.2	7686	800.22	9.6
FORD	VAN	1997	SHB474	1FTJE34L7VHC12561	9500		0	GAS	S 25920	2312.48	11.2	7697	681.14	11.3
PTRB	ΛΤΙΓΙΤΥ	2005	SHB567	2NPLHZ8X45M860594	36220		0	GAS	S 729	26.32	27.7	0	0	0.0
PTRB	ΛΤΙΓΙΤΥ	2005	SHB568	2NPLHZ8X25M860593	36220		0	GAS	S 8450	481.21	17.6	5596	328.21	17.1
XXXX	XXXX	2005	SHB730	5B4HP42VX53405454	XXXX		0	GAS	S 3232	391.5	8.3	1384	194	7.1
XXXX	XXXX	2005	SHB731	5B4HP42V853405453	XXXX		0	GAS	S 6981	522.78	13.4	3323	272.18	12.2
XXXX	XXXX	2005	SHB732	5B4HP42V6534054	XXXX		0	GAS	S 1790	176.97	10.1	0	0	0.0
XXXX	XXXX	2005	SHB733	5B4HP42V53405451	XXXX		0	GAS	S 2213	278.6	7.9	935	184.13	5.1
CHEV	PICKUP	1998	SHB764	1GCFC24M6WZ128077	7200		19585	85 GAS	S 4642	430.28	10.8	1504	161.65	9.3
FORD PIN	VAN	2005	SHB790	1FTNS24L25HA83505	XXXX		0	GAS	S 6949	479.89	14.5	3921	277.52	14.1
FORD	VAN	2005	SHB791	1FTNS24L45HA83506	XXXX		0	GAS	S 9961	551.78	18.1	4317	231.74	18.6
FORD	VAN	2005	SHB792	1FTNS24L65HA83507	XXXX		0	GAS	S 1104	105.17	10.5	1104	105.17	10.5
FORD	VAN	2005	SHB793	1FTNS24L85HA83508	XXXX		0	GAS	S 3096	254.3	12.2	1910	157.52	12.1
FORD	VAN	2005	SHB794	1FTNS24LX5HA83509	XXXX		0	GAS	S 10208	724.94	14.1	5435	362.34	15.0
CHEV	VAN	1994	SHB895	1GBGP32K3R3305339	XXXX		0	GAS	S 2837	447.75	6.3	717	191.2	3.8
CHEV	Malibu	2004	SHB942	1G1ZT54844F207241	3290		0	GAS	S 23321	1212.13	19.2	0	0	0.0
тоуота	Camry	2004	SHB943	JTDBF30K240157478	3420		0	GAS	S 10345	527.58	19.6	0	0	0.0
тоуота	Camry	2004	SHB944	JTDBF30K140157942	3219		0	GAS	S 11236	556.65	20.2	247	13.76	18.0
тоуота	Camry	2004	SHB945	JTDBF30K740157184	3219		0	GAS	S 18194	902.83	20.2	0	0	0.0
тоуота	Camry	2004	SHB946	JTDBF30K140157956	3420		0	GAS	S 6867	396.62	17.3	480	26.28	18.3
тоуота	Camry	2004	SHB947	JTDBF32K140157842	3219		0	GAS	S 7245	348.83	20.8	0	0	0.0
тоуота	Camry	2004	SHB948	JTDBF30KX40157289	3219		0	GAS	S 12768	781.7	16.3	2623	177	14.8
тоуота	Camry	2004	SHB949	JTDBF30KX40157230	3420		0	GAS	S 10933	540.05	20.2	0	0	0.0
тоуота	Camry	2004	SHB950	JTDBF32K440157897	3219		0	GAS	S 43796	1742.31	25.1	3657	144.58	25.3
CHEV	Malibu	2004	SHB993	1G1ZS52F84F205738	3290		0	GAS	S 16160	666.4	24.2	0	0	0.0
PONT	Grand Am	2004	SHC154	1G2NG52E94M517095	3200		0	GAS	S 7171	306.13	23.4	2507	110.33	22.7
FORD	PICKUP	2006	SHC196	1FTSF20P96EB12579	9400		0	GAS	S 5938	728.03	8.2	3035	323.34	9.4
FORD	F-250	2006	SHC197	1FTSF20P56EB12580	9400		0	GAS	S 7893	1049.04	7.5	3770	470.06	8.0

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					Depart	ment	epartment of Education	catio	c					
					Vehi	cle Fi	<b>Vehicle Fuel Report</b>	oort						
Make	Model	Year	License Plate #	NIN	EI H1 F1 GVWR EC	EPA Hwy EPA City Fuel Fuel Econ Econ	City el on Acq. Cost	Fuel Type	In-Use Mileage	In-Use Fuel Consum.	In-use Avg Fuel Econ	Annual Mileage	Annual Fuel Consum	Annual Avg Fuel Econ
Fuel Type:	GAS													
ΤΟΥΟΤΑ	SEDAN	2005	SHC329	JTDBE32K753009892	XXXX		0	GAS	6605	277.66	23.8	917	58.37	15.7
тоүота	SEDAN	2005	SHC330	JTDBE32K653007292	XXXX		0	GAS	31307	1331.28	23.5	6860	419.03	16.4
тоүота	SEDAN	2005	SHC331	JTDBE32K553007557	XXXX		0	GAS	8315	340.26	24.4	484	20.71	23.4
тоүота	SEDAN	2005	SHC332	JTDBE32K753007852	XXXX		0	GAS	32285	1321.05	24.4	5391	213.43	25.3
тоүота	SEDAN	2005	SHC333	JTDBE32KX53010003	XXXX		0	GAS	4544	190.06	23.9	0	0	0.0
тоүота	SEDAN	2005	SHC334	JTDBE32K653003016	XXXX		0	GAS	14529	660.88	22.0	1300	68.54	19.0
тоүота	SEDAN	2005	SHC335	JTDBE32K253008228	XXXX		0	GAS	3094	138.51	22.3	0	0	0.0
тоүота	SEDAN	2005	SHC336	JTDBE32K853009612	XXXX		0	GAS	13145	492.16	26.7	1324	26.57	49.8
FORD	FLATBED	2006	SHC344	1FDWF36P76EB24319	13000		0	GAS	0	0	0.0	0	0	0.0
DODGE	ΠΤΙΓΙΤΥ	1999	SHC350	3B6KC26Z0XM580704	8800		0	GAS	24468	2567.8	9.5	5181	495.15	10.5
DODGE	UTILITY	1999	SHC351	3B6KC26Z7XM580702	8800		0	GAS	19869	2169.4	9.2	4665	435.5	10.7
DODGE	ΠΤΙΓΙΤΥ	1999	SHC352	3B6KC2628XM580708	8800		0	GAS	23764	1968.59	12.1	5987	522.9	11.4
DODGE	ΠΤΙΓΙΤΥ	1999	SHC353	3B6KC26Z5XM580701	8800		0	GAS	19430	1879.14	10.3	3230	361.51	8.9
DODGE	ΠΤΙΓΙΤΥ	1999	SHC354	3B6KC26Z2XM580705	8800		0	GAS	22770	2286.29	10.0	5588	556.28	10.0
BUICK	SEDAN	2005	SHC355	2G4WS52J651108024	XXXX		0	GAS	15029	590.8	25.4	0	0	0.0
CHEV	PICKUP	1997	SHC365	1GCCS14X6V8188441	XXXX		0	GAS	3363	147.28	22.8	1460	67.68	21.6
FORD	VAN	1999	SHC378	2B7KB31Z1MK431016	10000		0	GAS	21087	2817.9	7.5	2148	275	7.8
DODGE	RAM	1999	SHC383	3B6KC26Z6XM580707	8800		0	GAS	23502	2260.47	10.4	5484	556.63	9.9
CHEV	SEDAN	2005	SHC397	1FAHP53U65A265636	XXXX		0	GAS	13482	622.71	21.7	1482	84.27	17.6
DODGE	PICKUP	1999	SHC449	3B6KC26Z7XM580697	XXXX		0	GAS	17342	1768.16	9.8	2782	282.73	9.8
DODGE	ΟΤΊLΙΤΥ	1999	SHC450	3B6KC26Z6XM580710	8800		0	GAS	28183	2563.73	11.0	6903	628.56	11.0
DODGE	ΟΤΊΓΙΤΥ	1999	SHC451	3B6KC26Z3XM580714	8800		0	GAS	10556	972.5	10.9	2739	236.6	11.6
DODGE	RAM	1999	SHC452	3B6MF3654XM572026	XXXX		0	GAS	15192	1727.5	8.8	4407	537.4	8.2
DODGE	ΠΤΙΓΙΤΥ	1999	SHC453	3B6KC26Z9XM579034	8800		0	GAS	20577	2004.1	10.3	3535	310	11.4
DODGE	VAN	2000	SHC454	2B7KB31Y7YK147516	8700		0	GAS	29077	2623.84	11.1	7435	738	10.1
DODGE	XXXX	1998	SHC580	3B6KF26Z5WM269551	8800		0	GAS	31087	3082.6	10.1	6299	643	10.3
FORD	ΟΤΊΓΙΤΥ	2008	SHC719	1FDSX20R78EA28953	8570		0	GAS	7776	635.06	12.2	5050	442.15	11.4
FORD	F-250	2008	SHC742	1FDSX20R58EA28952	XXXX		0	GAS	21639	1889.16	11.5	5273	454.56	11.6
FORD	υΤΊΓΙΤΥ	2007	SHC749	1FDSX20R38EA28951	XXXX		0	GAS	21483.2	1638.3	13.1	8979	6.99.9	12.8
FORD	F-150	2000	SHC761	2FTRF7Z5YCA40773	XXXX		0	GAS	23523	1894.2	12.4	4992	369	13.5
FORD	ΠΤΙΓΙΤΥ	2007	SHC762	1FDWX36R28EA24355	13000		0	GAS	3003	281.67	10.7	301	23.71	12.7

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		In-Use In-use Annual Annual Fuel Avg Fuel Annual Fuel Avg Fuel Consum. Econ Mileage Consum Econ		1277.4 19.2 7419 410.7 18.1	606.6 18.5 2698 151.6 17.8	527.1 14.5 1837 131.9 13.9	768.7 16.4 3298 194.9 16.9	1914.8 9.3 4065 461.91 8.8	864.16 17.7 5924 339.33 17.5 2	359.79 20.1 1490 68.97 21.6	753.19 20.5 502 25.81 19.4	457.84 22.2 903 35.59 25.4	114.12 20.3 0 0 0.0	748.4 21.5 1523 73.99 20.6	23.93 20.2 0 0 0.0	1422.17 23.2 659 25.33 26.0	641.63 17.8 2463 146.01 16.9	834.31 17.0 0 0 0.0	1010.11 9.4 5419 541.29 10.0	813.63 10.3 4642 430.82 10.8	235.08 6.4 1300 209.44 6.2	1566.8 11.8 5427 425 12.8 <sup>6</sup>	2135.6 10.5 8111 760.16 10.7	1000.29 6.8 2864 410.35 7.0	509.89 20.1 5738 301.9 19.0	455.4 22.4 2857 132.9 21.5	1827.62 9.8 8092 907.12 8.9	1657.79 9.5 6637 697.13 9.5	2074.4 11.1 6973 671.1 10.4	811.9 17.2 4467 258.97 17.2	962.03 11.1 3841 426.72 9.0	1782.17 7.4 4904 713.34 6.9	1376.4 10.1 5317 535.56 9.9	1193.04 18.1 8674 531.01 16.3
n		In-Use Mileage		24544	11224	7659	12572	17837	15283	7241	15444	10181	2320	16076	483	33024	11394	14165	9535	8378	1501	18547	22514	6809	10238	10187	17919	15751	22999	13973	10650	13126	13962	21587
ducatio	Report	Fuel Acq. Cost Type		0 GAS	0 GAS	0 GAS	5000 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS	7200 GAS	7200 GAS	0 GAS	0 GAS	6000 GAS	0 GAS	0 GAS	0 GAS	0 GAS	0 GAS
epartment of Education	<b>Vehicle Fuel Report</b>	EPA City Fuel Econ Acq					50																		7:	7.			90					
partm	Vehicl	EPA Hwy Fuel NR Econ		×	×	X	X	00	00	×	Ş	X	X	X	X	X	X	X	X	X	12460	X	X	00	Ş	×	20	00	X	X	X	00	00	00
De		VIN GVWR		1FTYR10V5XPB66509 XXXX	1FAFP53262A202988 XXXX	1FAFP53221A226171 XXXX	1GDDS1455Y8298268 XXXX	1GCHK33J0YF488233 9200	1GCCS1450Y8301593 4600	1C3LC46R17N676511 XXXX	1C3LC46R17N676508 XXXX	1C3LC46R37N676512 XXXX	1C3LC46R37N676509 XXXX	1C3LC46R77N676514 XXXX	1C3LC46RX7N676510 XXXX	1C3LC46R57N676513 XXXX	2G1WB58K089177391 XXXX	2G1WB58K489172498 XXXX	1FTSF20R08EC60401 XXXX	1FTSF20R28EC60402 XXXX	1PDXF46R98EA09249 124	1GCHG35R5Y1270788 XXXX	3B6KC26Z31M558641 XXXX	3B6MC3653XM579249 7100	1B3EL36T24N341619 XXXX	1B3EL36T94N341973 XXXX	3B6MC36552M303678 7520	2B7KB31Y91K537877 8700	1GCGG25R8Y1118767 XXXX	1GCC5145918211302 XXXX	3B6KC26231M271011 XXXX	3B6KC26291M271014 8800	3B6KC262X1M558636 8800	1GCC5145218206863 6000
		License Plate #		SHC800	SHC801	SHC802	SHC876	SHC877	SHC878	SHC915	SHC916	SHC917	SHC918	SHC919	SHC920	SHC921	SHC957	SHC958	SHD139	SHD160	SHD163	SHD165	SHD166	SHD307	SHD352	SHD353	SHD433	SHD434	SHD435	SHD518	SHD519	SHD520	SHD521	SHD522
		Year		1999	2002	2002	2000	2000	2000	2007	2007	2007	2007	2007	2007	2007	2007	2007	2008	2008	2007	2000	2001	1999	2004	5 2004	2002	2001	1999	2001	2001	2001	2001	2001
		Model	e: GAS	RANGER	TAURUS	TAURUS	S-10	PICKUP	PICKUP	SEDAN	SEDAN	SEDAN	SEDAN	SEDAN	SEDAN	SEDAN	SEDAN	SEDAN	PICKUP	PICKUP	PICKUP	VAN	ΠΤΙΓΙΤΥ	STKE	SEDAN	STRATUS	STKE	ΛΤΊΓΙΤΥ	VAN	S-10	PICKUP	ΠΤΙΓΙΤΥ	ΠΤΙΓΙΤΥ	S-10
		Make	Fuel Type:	FORD	FORD	FORD	CHEV	CHEV	CHEV	СНКУ	CHRY	CHRY	CHRY	CHRY	CHRY	CHRY A1	CHEV 2	CHEV	FORD	FORD	CHEV	CHEV	DODGE	DODGE	DODGE	DODGE	DODGE	DODGE	CHEV	CHEV	DODGE	DODGE	DODGE	CHEV

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					Vehic	<b>Vehicle Fuel Report</b>	il Rep	ort						
Make	Model	Year	License Plate #	NIN	EPA Hwy Fuel GVWR Econ	EPA City Fuel Econ	Acq. Cost	Fuel Type	In-Use Mileage	In-Use Fuel Consum.	In-use Avg Fuel Econ	Annual Mileage	Annual Fuel Consum	Annual Avg Fuel Econ
Fuel Type:	GAS													
CHEV	S-10	2001	SHD523	1GCCS145518206114	6000		0	GAS	19858	920.68	21.6	7377	357.97	20.6
DODGE	XXXX	2001	SHD524	3B6KC26Z6M271018	XXXX		0	GAS	9966	1043.56	9.6	3692	389.42	9.5
DODGE	ΟΤΊΓΙΤΥ	2001	SHD579	386KC25Z51M555191	8800		0	GAS	4792	466.48	10.3	1846	204.12	9.0
CHEV	S-10	2000	SHD580	1GCCS1458Y8299537	XXXX		0	GAS	0	0	0.0	0	0	0.0
DODGE	ΟΤΊΓΙΤΥ	2001	SHD581	3B6KC26271M583901	XXXX		0	GAS	22166	2351.7	9.4	6734	660.5	10.2
DODGE	ΟΤΊΓΙΤΥ	2001	SHD582	3B6KC26791M271000	8800		0	GAS	9454	974.2	9.7	2086	236.6	8.8
DODGE	UTILITY	2001	SHD634	3B6KC26Z61M558603	XXXX		0	GAS	11895	1146.14	10.4	3862	392.26	8.6
DODGE	ΠΤΙΓΙΤΥ	2001	SHD639	3B6KC26Z0117271D01	XXXX		0	GAS	24760	2517.8	9.8	9929	989.3	10.0
CHEV	SEDAN	2009	SHD670	1G1ZG57B89F132787	XXXX		0	GAS	3225	119.71	26.9	0	0	0.0
CHEV	SEDAN	2009	SHD671	1G1Z57B79F131081	XXXX		0	GAS	17263	748.99	23.0	2409	106.88	22.5
CHEV	SEDAN	2009	SHD672	1G1ZG57B59F131550	XXXX		0	GAS	9419	432.92	21.8	2233	94.77	23.6
CHEV	SEDAN	2009	SHD673	1G1ZG57B29F129674	XXXX		0	GAS	15795	573.17	27.6	0	0	0.0
CHEV	SEDAN	2009	SHD674	1G1ZG57B69F128012	XXXX		0	GAS	5489	273.81	20.0	3524	186.42	18.9
CHEV	SEDAN	2009	SHD675	1G1ZG57B19F30170	XXXX		0	GAS	5401	293.11	18.4	2390	135.79	17.6
PTRB	XXXX	2009	SHD701	2NPRHN8X79M787259	16000		146199.61	GAS	1052	107.26	9.8	0	0	0.0
CHEV	PICKUP	2009	SHD702	1GCHC44609E108084	XXXX		33172	GAS	1889	170.35	11.1	1889	170.35	11.1
CHEV	PICKUP	2009	SHD704	1GCHC44649E109903	XXXX		0	GAS	7256	485.05	15.0	3335	247.47	13.5
CHEV	PICKUP	2009	SHD705	1GCHC44649E109397	XXXX		33172	GAS	11702	961.11	12.2	8475	686.92	12.3
CHEV	PICKUP	2008	SHD706	1GCHC44689E107961	6100		0	GAS	7927	607.26	13.1	4433	331.3	13.4
CHEV	TAHOE	2003	SHD715	1GNEK13V23J271404	5300		0	GAS	15820	1213.9	13.0	6665	485.6	13.7
DODGE	STKE	2001	SHD740	3B6MC365X1M561192	7480		0	GAS	6788	696.72	9.7	3518	289.84	12.1
FORD	υτιιτγ	2009	SHD788	IFDSF30R09EA00826	7340		0	GAS	18416	1518.3	12.1	7976	654.7	12.2
FORD	υτιιτγ	2009	SHD791	1FDSF30R69EA00829	7300		0	GAS	1837	122.43	15.0	0	0	0.0
FORD	υΤΊLΙΤΥ	2009	SHD792	1FDSF30R29EA00830	10000		0	GAS	324	22.13	14.6	324	22.13	14.6
CHEV	XXXX	1990	SHD796	1GCGP32K1L3303768	6380		0	GAS	431	56.9	7.6	431	56.9	7.6
FORD	FLATBED	2008	SHD804	1FDWF36R58EE58062	XXXX		41632.96	GAS	26	18.12	1.4	0	0	0.0
FORD	FLATBED	2008	SHD805	1FDWF36R78EE58063	XXXX		41632.96	GAS	3672	467.6	7.9	2498	279.5	8.9
FORD	VAN	1999	SHD945	1FCJE39L6XHC01207	XXXX		0	GAS	2387	179	13.3	2387	179	13.3
FORD	VAN	2001	SHD946	1FCJE39L91HB28079	XXXX		0	GAS	4289	412.37	10.4	2776	268.68	10.3
FORD	υτιιτγ	2002	SHD961	1FTWF32F32EA37190	11000		0	GAS	170	16.73	10.2	170	16.73	10.2
CHEV	FLATBED	1990	SHD998	1GBHC34K1LE232934	10000		0	GAS	19023	2223.1	8.6	4609	544.8	8.5

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Matrix     Matrix<						Depar	tme	epartment of Education	Educ	atior						
Note     Note <th< th=""><th></th><th></th><th></th><th></th><th></th><th>Ve</th><th>hicle</th><th>Euel</th><th>Repo</th><th>ort</th><th></th><th></th><th></th><th></th><th></th><th></th></th<>						Ve	hicle	Euel	Repo	ort						
NXXX     NXXXX     NXXXX     NXXXX     NXXXX	lake	Model	Year	License Plate #	NIA	GVWR	EPA Hwy Fuel Econ		icq. Cost	Fuel Type	In-Use Mileage	In-Use Fuel Consum.	In-use Avg Fuel Econ	Annual Mileage	Annual Fuel Consum	Annual Avg Fuel Econ
XXXXXXZ00SHE13DIMUMBOR/7712XXXZ01SHE13ZUMUMBOR/7712XXXZ01SHE17Z147Z	l Type:	GAS														
MMU02003SHE190IGINGZARMENT068XXXXXX213SHE790IGINGZARMENT068XXXXXXX2010SHE208IGIZSEGMENT923647527312470.6512470.6512470.6512461246XXXX2010SHE208IGIZSEGMET9236147527421470.6512470.6512470.6512461246XXXX2010SHE218IGIZSEGMET9236147521470.6524932147214720102147XXXX2010SHE218IGIZSEGMET9236147521470.6521472148214720102147XXXX2010SHE218IGIZSEGMET9236147521470.6521472148214720102147XXXX2010SHE218IGIZSEGMET9236180021470.6521472148214720102147XXXX2010SHE218IGIZSEGMET9236180021470.6521472148214720102147XXXX2010SHE218IGIZSEGMET9236180021470.652147214821462146XXXX2011SHE218IGIZSEGMET9236180021472148214721472149XXXX2011SHE218IGIZSEGMET9245184721492147214721462146XXXXX2011SHE218IGIXSEGMET92456647214721472147<	TRB	XXXX	2009	SHE132	2NPLHM6X89M787192	XXXX			0	GAS	308	40.37	7.6	308	40.37	7.6
XXXX     210     SHE207     ILLAGEGAR/F1023     375     2147     655     165.1     716     72.36     165.1       XXXXX     200     SHE208     IGLAGEGAR/F19203     375     21479     655     635     72.3     72.3     72.3     73.3     73.3       XXXX     200     SHE211     IGLAGEGAFF19203     475     21479     655     90.33     73.7     71.4     73.3     73.3       MAIBU     200     SHE214     IGLAGEGAF192061     475     21875     655     73.7     71.4     73.3     73.1     73.4     73.3     73.1     73.6	HEV	MALIBU	2003	SHE190	1GIND52J43M671688	XXXX			0	GAS	13599	654.77	20.8	1342	76.86	17.5
MUIR2010SHE208G12/AEGM/F19136375214796.551206.95517712096.955XXXX2010SHE201G12/AEGM/F192637521876.9519020.323.9721.46XXXX2010SHE213G12/AEGM/F1926375218756.8519020.323.9721.46MUIRU2010SHE214G12/AEGM/F1926137521.9721.9723.9619.7721.46MUILTY2010SHE263G12/AEGM/F1926037521.9723.9619.7721.4623.97UTLTY2010SHE263G12/AEGM/F1926080023.9053.9724.14623.9724.146UTLTY2010SHE263G12/AEGM/F192608005506.956.9721.9723.9353.77UTLTY2010SHE230G12/AEGM/F192608005606.956.9723.9391.9123.9653.70UTLTY2010SHE230G12/AEGM/F192608705606.9723.0391.126.9723.63UTLTY2010SHE230G13/AEGM/F192608705606.9723.9391.9613.67UTLTY2010SHE30C100SHE30C6055706.9723.9391.9613.67UTLTY2010SHE30C100SHE30C60557024.1621.9613.67UTLTY2010SHE30C100SHE30C605 <t< td=""><td>HEV</td><td>XXXX</td><td>2010</td><td>SHE207</td><td>1G1ZA5E06AF191022</td><td>4376</td><td></td><td></td><td>21479</td><td>GAS</td><td>2268</td><td>105.17</td><td>21.6</td><td>2268</td><td>105.17</td><td>21.6</td></t<>	HEV	XXXX	2010	SHE207	1G1ZA5E06AF191022	4376			21479	GAS	2268	105.17	21.6	2268	105.17	21.6
XXX200SHEOR121/2500AH79240437214/396455492493249324932493249324932493MALBU2010SHE21161/2560F4792341437213213213213213213213214214213214214213214 <td< td=""><td>HEV</td><td>MALIBU</td><td>2010</td><td>SHE208</td><td>1G1ZA5E01AF191395</td><td>4376</td><td></td><td></td><td>21479</td><td>GAS</td><td>1229</td><td>69.55</td><td>17.7</td><td>1229</td><td>69.55</td><td>17.7</td></td<>	HEV	MALIBU	2010	SHE208	1G1ZA5E01AF191395	4376			21479	GAS	1229	69.55	17.7	1229	69.55	17.7
XXX2010SHE211IG1ZAGE0AF1926247621876.4518000.0532000.053 <th< td=""><td>HEV</td><td>XXXX</td><td>2010</td><td>SHE209</td><td>1G1ZA5E04AF192430</td><td>4376</td><td></td><td></td><td>21479</td><td>GAS</td><td>5043</td><td>249.5</td><td>20.2</td><td>5043</td><td>249.5</td><td>20.2</td></th<>	HEV	XXXX	2010	SHE209	1G1ZA5E04AF192430	4376			21479	GAS	5043	249.5	20.2	5043	249.5	20.2
MALBU     2101     SHE11     GLIAGEGMAF190230     476     2187     541.46     23.7     241.46     23.7     241.46       MALBU     2010     SHE2.41     GLIAXGEOMAF192631     470     21.87     24.96     15.01     21.7     249     13.01     21.7     249.6     13.01     21.7     249.6     13.01     21.7     249.6     13.01     21.7     249.6     13.01     21.7     249.6     13.01     21.7     249.6     13.01     21.7     249.6     13.01     21.7     24.6     13.01     21.7     24.6     13.01     21.7     24.6     13.01     21.7     24.6     13.01     21.7     24.6     23.01     23.2     23.7     23.14     56.6     13.01     21.7     24.6     23.01       UTULTY     2010     SHE2.0     21000500     56.00     56.00     56.01     57.01     56.01     57.01     57.1     56.03     57.01     57.2     56.03     57.01     57.2     56.03     57.01     57.01     57.01	HEV	XXXX	2010	SHE211	1G1ZA5E03AF192628	4376			21857	GAS	1880	90.53	20.8	1880	90.53	20.8
MALBU     2101     SHE214     G1ZASEGAF192341     436     21875     645     136.01     21.7     2046     136.01       VILLUT     2010     SHE214     G1ZASEGAF192361     437     2010     SHE217     701     7111     701     SHE272     3B6K/ZSZ1NS5868     880     5600     6A5     1120     557.64     1123     6103     559.64       VILLUT     2010     SHE232     BBK/ZSZ21NS5868     880     5600     6A5     713     556.6     703     511.5     703     513.5       VILLUT     2010     SHE232     BBK/ZSZ1NS5868     800     5600     6A5     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.6     703     513.	HEV	MALIBU	2010	SHE213	1G1ZA5E04AF190290	4376			21875	GAS	5377	241.48	22.3	5377	241.48	22.3
MALBU     2010     SHE3LS     ILIZACIDAFS19561     475     2130     5101     5105     59.06     59.05	HEV	MALIBU	2010	SHE214	1G1ZA5E05AF192341	4376			21875	GAS	2946	136.01	21.7	2946	136.01	21.7
UTLITY2011SHC2553B6KC75271MS5863888005600GAS6502557.0411.26602557.04UTLITY2010SHE283B6KC75271MS5861888005600GAS312.3312.35312.55UTLITY2010SHE303B6KC75271MS586188005500GAS312.55312.55312.55SEDM2010SHE302G1WSEK6A11026035702659309GAS49752603312.55SEDM2010SHE312G1WSEK6A110260357026697127.312052607127.31SEDM2010SHE312G1WSEKA11346504547066556.66356316317.31SEDM2010SHE312G1WSEKA113465045470667137.3120556.67137.31SEDM2010SHE312G1WSEKA134650454706.4536.66137.3120556.67SEDM2010SHE312G1WSEKA134751454706.4556.67137.3120556.76SEDM2010SHE312G1WSEKA134751454706.45137.81137.81201.922614SEDM2010SHE312G1WSEKA134751454706.45137.81211.72211.72211.72SEDM2010SHE312G1WSEKA134751454706.45137.81211.72211.72211.72SEDM2010SHE312G1WSEKA1347524	HEV	MALIBU	2010	SHE216	1G1ZA5E01AF192661	4376			21990	GAS	1130	59.06	19.1	1130	59.06	19.1
UTILIY2001SHC3CSHCC3C2LIMS5800180056006.5312.5312.5510.3212.5312.56UTILIY2010SHE36126KG561100500357057006.556.144586.6675758.66SEDM2010SHE3012GIWSEKA1126536454706.5513.6775756.5613.73SEDM2010SHE3012GIWSEKA1126532454706.5513.6775756.5613.67SEDM2010SHE3112GIWSEKA1126532454706.5513.6775756.5613.67SEDM2010SHE3112GIWSEKA1126532454706.5513.6713.6713.28SEDM2010SHE3112GIWSEKA112653454706.5513.6713.6713.68SEDM2010SHE3112GIWSEKA112653454706.5513.613.613.68SEDM2010SHE3122GIWSEKA112653454706.5513.613.613.68SEDM2010SHE3122GIWSEKA112453454706.5513.613.613.68SEDM2010SHE3122GIWSEKA112453454706.5513.6613.1613.68SEDM2010SHE3122GIWSEKA112453454706.5513.6613.1613.16SEDM2010SHE3122GIWSEKA112453454706.5513.6613.1613.16<	DGE	ΛΤΊΓΙΤΥ	2001	SHE256	3B6KC26Z31M558638	8800			5600	GAS	6602	587.04	11.2	6602	587.04	11.2
UTILITY2001SHE 38386KCA5Z01M8339038800560064S6144588.660146144588.66SEDM2010SHE 30C3UMSEK6A110260377267331096.5519732603197126932603SEDM2010SHE 30C3UMSEKA114563454706.553607127.3120532607127.31SEDM2010SHE 31C3UMSEKA1124529454706.457667156.61964125.33SEDM2010SHE 31C3UMSEKA1124529454706.45159.6130.26169.7156.3SEDM2010SHE 31C3UMSEKA1124529454706.45139.28130.7137.6SEDM2010SHE 31C3UMSEKA1124529454706.45130.813.6137.6SEDM2010SHE 31C3UMSEKA1124737454706.45130.813.6137.6SEDM2010SHE 31C3UMSEKA1124737454706.45130.813.6137.6SEDM2010SHE 31C3UMSEKA1124737454706.45130.813.6137.6SEDM2010SHE 31C3UMSEKA1124737454706.45130.813.6137.6SEDM2010SHE 31C3UMSEKA1124737454706.45130.813.6137.6SEDM2010SHE 32C3UMSEKA1124732454706.45 <td>DGE</td> <td>ΛΤΊΓΙΤΥ</td> <td>2001</td> <td>SHE257</td> <td>3B6KC26Z21M558601</td> <td>8800</td> <td></td> <td></td> <td>5600</td> <td>GAS</td> <td>3232</td> <td>312.56</td> <td>10.3</td> <td>3232</td> <td>312.56</td> <td>10.3</td>	DGE	ΛΤΊΓΙΤΥ	2001	SHE257	3B6KC26Z21M558601	8800			5600	GAS	3232	312.56	10.3	3232	312.56	10.3
SEDM2010SHE261210WSEK6A1100260357025793.096454975260.319.14975260.3SEDM2010SHE306210WSEK3A124556454706.55767127.3120.5767127.31SEDM2010SHE302210WSEK3A124556454706.55767127.3126.55767127.31SEDM2010SHE311210WSEK3A124529454706.45767126.3013.619.9613.26SEDM2010SHE312210WSEKA124759454706.4516311.713.916311.7SEDM2010SHE312210WSEKA124755454706.4516311.713.916311.7SEDM2010SHE312210WSEKA124755454706.4513.611.713.916311.7SEDM2010SHE312210WSEKA124755454706.4513.611.713.916311.7SEDM2010SHE32210WSEKA124425454706.4513.613.613.613.6SEDM2010SHE32210WSEKA124425454706.4513.613.613.613.6SEDM2010SHE32210WSEKA124425454706.4513.613.613.613.6SEDM2010SHE32210WSEKA124425454706.4513.613.613.613.6<	DGE	ΛΤΊΓΙΤΥ	2001	SHE258	3B6KC26Z01M583903	8800			5600	GAS	6144	588.66	10.4	6144	588.66	10.4
SEDM2010SHE3062GIWAEKXA12453645470GAS2607127.3120.52607127.31SEDM2010SHE3072GIWAEKXA12456145470GAS76765.5613676756.56SEDM2010SHE3172GIWAEKXA12456345470GAS1964125.831551964125.83SEDM2010SHE3132GIWAEKXA12451845470GAS18911.713916311.7SEDM2010SHE3142GIWAEKXA12475345470GAS16311.713916311.7SEDM2010SHE3142GIWAEKXA12475345470GAS16311.713916311.7SEDM2010SHE3182GIWAEKXA12475345470GAS16311.713916311.7SEDM2010SHE3182GIWAEKXA12475345470GAS135.616311.713916311.7SEDM2010SHE3182GIWAEKXA12475345470GAS135.6136.654.0111.7SEDM2010SHE3182GIWAEKXA12475345476470GAS135.6136.654.01SEDM2010SHE3272GIWAEKXA12493745476470GAS135.6136.654.01135.6SEDM2010SHE3272GIWAEKXA12493245470GAS136.7132.61	HEV	SEDAN	2010	SHE261	2G1WB5EK6A1100260	3570		2	6793.09	GAS	4975	260.3	19.1	4975	260.3	19.1
SEDN2010SHE307ZGIWASEC/A1245G145470GAS76756.5613.676756.56SEDN2010SHE311ZGIWASEC/A1245G145470GAS1964113.8315.61964125.83SEDN2010SHE311ZGIWASEC/A1245G245470GAS1964113.8315.61964125.83SEDN2010SHE312ZGIWASEC/A1245G245470GAS16.311.1713.916.911.7SEDN2010SHE312ZGIWASEC/A12475345470GAS13.613.1612.34SEDN2010SHE312ZGIWASEC/A12475445470GAS13.1621.1811.713.911.7SEDN2010SHE312ZGIWASEC/A12475445470GAS13.1621.16013.16SEDN2010SHE312ZGIWASEC/A12492545470GAS13.1621.1713.1621.16SEDN2010SHE322ZGIWASEC/A12492545470GAS13.1611.2513.16SEDN2010SHE322ZGIWASEC/A12492545470GAS13.1621.12513.16SEDN2010SHE322ZGIWASEC/A12492545470GAS13.1611.2513.16SEDN2010SHE322ZGIWASEC/A12492545470GAS13.1611.2513.16SEDN2010SHE322ZGIWASEC/A12492	HEV	SEDAN	2010	SHE306	2G1WA5EK3A1245386	4547			0	GAS	2607	127.31	20.5	2607	127.31	20.5
SEDN2010SHE3112GIWASEK9A124582845470GAS1964125.8315.61964125.83SEDN2010SHE3122GIWASEK1A12462945470GAS2684139.28139.28139.28SEDN2010SHE3132GIWASEK8A124751845470GAS2684139.28139.28139.28SEDN2010SHE3142GIWASEK8A124751845470GAS16311.713.916311.7SEDN2010SHE3142GIWASEKA124732445470GAS4116211.8813.16211.88SEDN2010SHE3182GIWASEKA124732445470GAS13.1623.013.16211.88SEDN2010SHE3192GIWASEKA124732445470GAS13.1611.2580.36SEDN2010SHE3192GIWASEKA12493245470GAS13.1611.2580.36SEDN2010SHE3292GIWASEKA12493245470GAS13.1613.1611.12SEDN2010SHE3292GIWASEKA12493245470GAS13.1613.1613.16SEDN2010SHE3292GIWASEKA12493245470GAS13.1611.2380.36SEDN2010SHE3292GIWASEKA12493245470GAS13.1611.4213.16SEDN2010SHE3292GIWASEKA12493245470GAS <td< td=""><td>HEV</td><td>SEDAN</td><td>2010</td><td>SHE307</td><td>2G1WA5EK7A1245651</td><td>4547</td><td></td><td></td><td>0</td><td>GAS</td><td>767</td><td>56.56</td><td>13.6</td><td>767</td><td>56.56</td><td>13.6</td></td<>	HEV	SEDAN	2010	SHE307	2G1WA5EK7A1245651	4547			0	GAS	767	56.56	13.6	767	56.56	13.6
SEDM2010SHE3122GIWAGEKIA12462945470GGAS2684139.28139.28SEDM2010SHE3132GIWAGEKA12461845470GGAS18011.32664139.28SEDM2010SHE3142GIWAGEKA12451845470GGAS18.011.311.713.9SEDM2010SHE3142GIWAGEKA12475145470GGAS11.713.910.713.16SEDM2010SHE3182GIWAGEKA124725445470GGAS11.113.1621.18SEDM2010SHE3182GIWAGEKA124725445470GGAS13.1611.12511.16SEDM2010SHE3192GIWAGEKA124725445470GGAS13.1611.2511.125SEDM2010SHE3292GIWAGEKA124725445470GGAS13.1611.12511.125SEDM2010SHE3292GIWAGEKA12492345470GAS13.1613.1613.16SEDM2010SHE3292GIWAGEKA12492345470GAS13.2620.1113.6720.11SEDM2010SHE3292GIWAGEKA124923045470GAS13.2613.2630.3631.36SEDM2010SHE3292GIWAGEKA124923045470GAS13.2614.2713.6713.76SEDM2010SHE3292GIWAGEKA124	HEV	SEDAN	2010	SHE311	2G1WA5EK9A1245828	4547			0	GAS	1964	125.83	15.6	1964	125.83	15.6
SEDAV2010SHE313ZGIWASEK8A1247618454706GAS18012.8414.018012.84SEDAV2010SHE314ZGIWASEK8A124755454706GAS16311.713.916311.7SEDAV2010SHE315ZGIWASEK0A124755454706GAS4116211.8819.44116211.88SEDAV2010SHE318ZGIWASEK0A124754454706GAS29013.1623.023.16SEDAV2010SHE318ZGIWASEK0124754454706GAS10.511.2517.419611.25SEDAV2010SHE327ZGIWASEK1242495345470GAS153680.3654.0111.2580.36SEDAV2010SHE327ZGIWASEK1242495345470GAS137.620.115.7419611.25SEDAV2010SHE327ZGIWASEK12495345470GAS137.620.115.7419611.25SEDAV2010SHE327ZGIWASEK12495345470GAS137.620.1147.220.1147.2SEDAV2010SHE327ZGIWASEK12495345470GAS137.620.1147.220.1147.2SEDAV2010SHE327ZGIWASEK12495245470GAS132.720.2187.020.1147.2SEDAV2010SHE327ZG	ΗEV	SEDAN	2010	SHE312	2G1WA5EK1A1246259	4547			0	GAS	2684	139.28	19.3	2684	139.28	19.3
SEDAN2010SHE3142GIWASEK9A1247254547647064816311.713.916311.7SEDAN2010SHE3152GIWASEK0A124737454764706484116211.8819.44116211.88SEDAN2010SHE3182GIWASEK0A12472544547647064829013.1629013.16210.83SEDAN2010SHE3192GIWASEK124284264547647064810.654.0112.1665654.01SEDAN2010SHE3202GIWASEK12484264547647064815.2654.0112.165654.01SEDAN2010SHE3272GIWASEK12484264547064815.3665654.0112.165654.01SEDAN2010SHE3282GIWASEK124942245470648132692.6113292.714.2SEDAN2010SHE3282GIWASEK12494234547064813292.714.213692.61SEDAN2010SHE3282GIWASEK12494234547064813292.714.213292.7SEDAN2010SHE3322GIWASEK12494234547064813292.714.213292.7SEDAN2010SHE3322GIWASEK12494234547064814.2314.2314.2392.61SEDAN2010SHE33	HEV	SEDAN	2010	SHE313	2G1WA5EK8A1247618	4547			0	GAS	180	12.84	14.0	180	12.84	14.0
SEDAN2010SHE315CGIWASEKOA124733745476470GAS4116211.8819.44116211.88SEDAN2010SHE318ZGIWASEK7A124725445470GAS29013.1622.029013.16SEDAN2010SHE319ZGIWASEK7A12472445470GAS19.611.2517.419611.25SEDAN2010SHE320ZGIWASEKA12484245470GAS156654.0112.165654.01SEDAN2010SHE327ZGIWASEKA12493745470GAS153680.3619.1157680.36SEDAN2010SHE328ZGIWASEKA12499345470GAS187092.6111.251421536SEDAN2010SHE329ZGIWASEKA12499345470GAS187092.6114.2392.61SEDAN2010SHE332ZGIWASEKA12499345470GAS13292.6114.2392.61SEDAN2010SHE332ZGIWASEKA12499345470GAS13292.6114.2392.61SEDAN2010SHE332ZGIWASEKA12499345470GAS19211.4.2392.61SEDAN2010SHE332ZGIWASEKA12499245470GAS19311.4.2392.73SEDAN2010SHE332ZGIWASEKA12499245470GAS19314.219311.4.23 <t< td=""><td>HEV</td><td>SEDAN</td><td>2010</td><td>SHE314</td><td>2G1WA5EK9A1247255</td><td>4547</td><td></td><td></td><td>0</td><td>GAS</td><td>163</td><td>11.7</td><td>13.9</td><td>163</td><td>11.7</td><td>13.9</td></t<>	HEV	SEDAN	2010	SHE314	2G1WA5EK9A1247255	4547			0	GAS	163	11.7	13.9	163	11.7	13.9
SEDAN2010SH=3182GIWA5EK7124725445476470GAS29013.162.029013.16SEDAN2010SH=3192GIWA5EK2124842545470GAS19611.2517.419611.25SEDAN2010SH=3202GIWA5EK2124842545470GAS15654.0112.165654.01SEDAN2010SH=3202GIWA5EK1124842545470GAS157680.3619.112165654.01SEDAN2010SH=3202GIWA5EK1124942245470GAS187092.6120.2187092.61SEDAN2010SH=3202GIWA5EK4124953045470GAS13292.6120.7187092.61SEDAN2010SH=3202GIWA5EK4124953045470GAS13292.6120.7187092.61SEDAN2010SH=3302GIWA5EK4124953045470GAS1329.2714.21329.27SEDAN2010SH=3322GIWA5EK4124953045470GAS1329.2714.21329.23SEDAN2010SH=3372GIWA5EK4124952045470GAS13314.21308114.23SEDAN2010SH=3372GIWA5EK12124912845470GAS1308114.239.239.239.239.249.24SEDAN2010SH=3412GIWA5EK124	HEV	SEDAN	2010	SHE315	2G1WA5EK0A1247337	4547			0	GAS	4116	211.88	19.4	4116	211.88	19.4
SEDAN2010SHE3192GIWA5EX2124842545476470GAS19611.2517.419611.25SEDAN2010SHE3202GIWA5EK1124824045470GAS65654.0112.165654.01SEDAN2010SHE3272GIWA5EK1124824045470GAS153680.3619.115.3680.36SEDAN2010SHE3282GIWA5EK112492245470GAS13292.6120.2187092.61SEDAN2010SHE3292GIWA5EK4124953045470GAS13292.6120.2187092.61SEDAN2010SHE3302GIWA5EK4124953045470GAS13292.7714.213292.61SEDAN2010SHE3322GIWA5EK4124953045470GAS13292.7714.213292.73SEDAN2010SHE3322GIW5EK1124912845470GAS13292.7714.21329.27SEDAN2010SHE3322GIW5EK1124912845470GAS33923.814.233923.8SEDAN2010SHE3312GIW5EK1124912845470GAS63132.9814.232.98SEDAN2010SHE3412GIW5EK1124912845470GAS13914.1214.233923.8SEDAN2010SHE3412GIW5EK1124912845470GAS<	HEV	SEDAN	2010	SHE318	2G1WA5EK7A1247254	4547			0	GAS	290	13.16	22.0	290	13.16	22.0
SEDAN2010SH=320ZGIWA5EKIA1248240454765754.0112.165654.01SEDAN2010SHE327ZGIWA5EKA12493745470GAS153680.3619.1153680.36SEDAN2010SHE328ZGIWA5EKA12495245470GAS187092.6120.2187092.61SEDAN2010SHE329ZGIWA5EKA124953045470GAS1329.2714.21329.261SEDAN2010SHE330ZGIWA5EKA124953045470GAS1329.2714.21329.261SEDAN2010SHE330ZGIWA5EKA124953045470GAS1329.2714.21329.27SEDAN2010SHE330ZGIWA5EKA124952045470GAS1329.2714.21329.27SEDAN2010SHE331ZGIWA5EKA124952345470GAS33923.814.233923.8SEDAN2010SHE337ZGIWA5EKA124912845470GAS63132.9819.163132.98SEDAN2010SHE341ZGIWA5EKA124912845470GAS63113.011.1732.9819.163132.98SEDAN2010SHE341ZGIWA5EKA124915845470GAS13011.1711.613011.17SEDAN2010SHE341ZGIWA5EKA124915845470GAS<	HEV	SEDAN	2010	SHE319	2G1WA5EK2A1248425	4547			0	GAS	196	11.25	17.4	196	11.25	17.4
SEDAN2010SHE3272G1WA5EK2A124793745470GAS153680.3619.1153680.36SEDAN2010SHE3282G1WA5EK124942245470GAS187092.6120.2187092.61SEDAN2010SHE3292G1WA5EK4124953045470GAS1329.2714.21329.261SEDAN2010SHE3302G1WA5EK4124953045470GAS1329.2714.21329.27SEDAN2010SHE3302G1WA5EK412492445470GAS13214.2316.71908114.23SEDAN2010SHE3322G1WA5EK5A124892245470GAS33923.814.233923.6SEDAN2010SHE3372G1WA5EK5A124892245470GAS33923.814.233923.6SEDAN2010SHE3372G1WA5EK12124912845470GAS63132.9819.163132.98SEDAN2010SHE3412G1WA5EK8A124812245470GAS13011.1711.613011.17SEDAN2010SHE3412G1WA5EK8A124812845470GAS13011.1711.613011.17SEDAN2010SHE3412G1WA5EK8A124815245470GAS13011.1711.613011.17SEDAN2010SHE3412G1WA5EK8A124815245470 <td< td=""><td>HEV</td><td>SEDAN</td><td>2010</td><td>SHE320</td><td>2G1WA5EK1A1248240</td><td>4547</td><td></td><td></td><td>0</td><td>GAS</td><td>656</td><td>54.01</td><td>12.1</td><td>656</td><td>54.01</td><td>12.1</td></td<>	HEV	SEDAN	2010	SHE320	2G1WA5EK1A1248240	4547			0	GAS	656	54.01	12.1	656	54.01	12.1
SEDAN2010SHE3282G1WA5EK1A124942245470GAS187092.6120.2187092.61SEDAN2010SHE3292G1WA5EK4124953045470GAS1329.2714.21329.27SEDAN2010SHE3302G1WA5EK4124953045470GAS1329.2714.21329.27SEDAN2010SHE3322G1WA5EK412492445470GAS33923.814.233914.23SEDAN2010SHE3372G1WA5EK124912845470GAS53923.814.233.923.8SEDAN2010SHE3372G1WA5EK124912845470GAS63132.9819.163132.98SEDAN2010SHE3412G1WA5EK8A124912845470GAS63132.9819.163132.98SEDAN2010SHE3412G1WA5EK8A124912845470GAS13011.1711.613011.17SEDAN2010SHE3412G1WA5EK8A124915845470GAS13011.1711.613011.17SEDAN2010SHE3412G1WA5EK8A124915845470GAS13011.1711.613011.17SEDAN2010SHE3412G1WA5EK7A124915545470GAS13011.1711.613011.17SEDAN2010SHE3422G1WA5EK7A124915545470GAS<	HEV	SEDAN	2010	SHE327	2G1WA5EK2A1247937	4547			0	GAS	1536	80.36	19.1	1536	80.36	19.1
SEDAN2010SHE3292G1WA5EK4A124953045470GAS1329.2714.21329.27SEDAN2010SHE3302G1WA5EK4A124792445470GAS1908114.2316.71908114.23SEDAN2010SHE3322G1WA5EK5A124892245470GAS33923.814.233923.8SEDAN2010SHE3372G1W35EK1A124912845470GAS63132.9819.163132.98SEDAN2010SHE3412G1W35EK8A124812845470GAS63132.9819.163132.98SEDAN2010SHE3412G1W35EK8A124812845470GAS63132.9819.163132.98SEDAN2010SHE3412G1W35EK8A124815845470GAS13011.1711.613011.17SEDAN2010SHE3422G1W35EK7A124916545470GAS13011.1711.613011.17SEDAN2010SHE3422G1W35EK7A124916545470GAS13011.1711.613011.17SEDAN2010SHE3422G1W35EK7A124916545470GAS13011.1711.613011.17	HEV	SEDAN	2010	SHE328	2G1WA5EK1A1249422	4547			0	GAS	1870	92.61	20.2	1870	92.61	20.2
SEDAN     2010     SHE330     2GIWA5EK41247924     4547     0     GAS     1908     114.23     16.7     1908     114.23       SEDAN     2010     SHE332     2GIWA5EK5A1248922     4547     0     GAS     339     23.8     14.2     339     23.8       SEDAN     2010     SHE337     2GIWA5EK1A1249128     4547     0     GAS     531     32.98     19.1     631     32.98       SEDAN     2010     SHE341     2GIWA5EK1A1249128     4547     0     GAS     631     32.98     19.1     631     32.98       SEDAN     2010     SHE341     2GIWA5EK81248512     4547     0     GAS     130     11.17     11.6     130     11.17       SEDAN     2010     SHE342     2547     0     GAS     130     11.17     11.6     13.0       SEDAN     2010     SHE342     2547     0     GAS     130     11.17     11.6     13.0       SEDAN     2010     SHE342     254	HEV	SEDAN	2010	SHE329	2G1WA5EK4A1249530	4547			0	GAS	132	9.27	14.2	132	9.27	14.2
SEDAN     2010     SHE332     2GIWA5EK5A1248922     4547     0     GAS     339     23.8     14.2     339     23.8       SEDAN     2010     SHE337     2GIWA5EK1A1249128     4547     0     GAS     631     32.98     19.1     631     32.98       SEDAN     2010     SHE341     2GIWA5EK8A1248512     4547     0     GAS     631     32.98     19.1     631     32.98       SEDAN     2010     SHE341     2GIWA5EK8A1248512     4547     0     GAS     130     11.17     11.6     130     11.17       SEDAN     2010     SHE342     2GIWA5EK7A1249165     4547     0     GAS     816     50.14     16.3     816     50.14     50.14	HEV	SEDAN	2010	SHE330	2G1WA5EK4A1247924	4547			0	GAS	1908	114.23	16.7	1908	114.23	16.7
SEDAN     2010     SHE337     2GIWA5EKIA1249128     4547     0     GAS     631     32.98     19.1     631     32.98       SEDAN     2010     SHE341     2GIWA5EK8A1248512     4547     0     GAS     130     11.17     11.6     130     11.17       SEDAN     2010     SHE342     2GIWA5EK7A1249165     4547     0     GAS     130     11.17     11.6     130     11.17       SEDAN     2010     SHE342     2GIWA5EK7A1249165     4547     0     GAS     816     50.14     16.3     816     50.14	HEV	SEDAN	2010	SHE332	2G1WA5EK5A1248922	4547			0	GAS	339	23.8	14.2	339	23.8	14.2
SEDAN     2010     SHE341     2GIWA5EK8A1248512     4547     0     GAS     130     11.17     11.6     130     11.17       SEDAN     2010     SHE342     2GIWA5EK7A1249165     4547     0     GAS     816     50.14     16.3     816     50.14	HEV	SEDAN	2010	SHE337	2G1WA5EK1A1249128	4547			0	GAS	631	32.98	19.1	631	32.98	19.1
SEDAN 2010 SHE342 2G1WA5EK7A1249165 4547 0 GAS 816 50.14 16.3 816 50.14	HEV	SEDAN	2010	SHE341	2G1WA5EK8A1248512	4547			0	GAS	130	11.17	11.6	130	11.17	11.6
	HEV	SEDAN	2010	SHE342	2G1WA5EK7A1249165	4547			0	GAS	816	50.14	16.3	816	50.14	16.3

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Appendix 2: Department of Education Vehicle Data

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			I						Ap	per	ndix	2: C	epartn	nent of	Educa	ition V	ehicle	Data				
		Annual Avg Fuel Econ		19.5	9.5	6.1	9.5	12.8	10.7	11.9	11.7		0.0									
		Annual Fuel Consum		65.14	308.2	222.95	183.7	92.46	213.91	113.82	259.04		0									
		Annual Mileage		1271	2932	1358	1747	1183	2283	1358	3035		0									
		In-use Avg Fuel Econ		19.5	9.5	6.1	9.5	12.8	10.7	11.9	11.9		25.8									
		In-Use Fuel Consum.		65.14	308.2	222.95	183.7	92.46	213.91	113.82	1203.11		10.05									
c		In-Use Mileage		1271	2932	1358	1747	1183	2283	1358	14349		259									
atio	ort	Fuel Type		GAS		XXXX																
partment of Education	<b>Vehicle Fuel Report</b>	Acq. Cost		0	8000	7000	7500	7500	7500	7500	0		0									
ent of	e Fue	EPA City Fuel Econ																				
rtm	shicl	EPA Hwy Fuel Econ																				
Depa	Ve	GVWR		4547	9200	9200	9200	9200	9200	9200	8800		XXXX									
		NIV		2G1WA5EK5A1249570	1GBHC24U62E273876	3B6KC26Z42M303627	1GBGC24U02Z329069	1GBGC24U52Z327849	1GBGC24U42Z327549	1GBGC24U22Z332717	1GCHG35RXY1269278		1C3LC46R17N676511									
		License Plate #		SHE343	SHE400	SHE407	SHE431	SHE432	SHE433	SHE434	SHE482		SHC915									
		Year		2010	2002	2002	2002	2002	2002	2002	2000		2007									
		Model	GAS	SEDAN	PICKUP	PICKUP	SILVERADO	SILVERADO	SILVERADO	SILVERADO	VAN	хххх	SEDAN									
		Make	Fuel Type:	CHEV	CHEV	DODGE	CHEV	CHEV	CHEV	CHEV	CHEV	Fuel Type:	CHRY	A15								

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			Status	Negotiating PPA/U&O	PPA/U&O signed	Negotiating PPA/U&O	PPA/U&O signed	Negotiating PPA/U&O		PPA/U&O signed	PPA/U&O signed	PPA/U&O signed	PPA/U&O signed	PPA/U&O signed	PPA/U&O signed	Negotiating PPA/U&O	Negotiating PPA/U&O	Negotiating PPA/U&O	Negotiating PPA/U&O		Negotiating PPA/U&O	Negotiating PPA/U&O	Negotiating PPA/U&O	Negotiating PPA/U&O		
		Construction	Schedule	Negotiating PPA/U&O	In Design	Negotiating PPA/U&O	In Design	Negotiating PPA/U&O		In Design	In Design	In Design	In Design	In Design	In Design	Negotiating PPA/U&O	Negotiating PPA/U&O	Negotiating PPA/U&O	Negotiating PPA/U&O		Negotiating PPA/U&O	Negotiating PPA/U&O	Negotiating PPA/U&O	Negotiating PPA/U&O		
	Awardee	ial if not	Awarded)	TBD	Solar City	TBD	Solar City	TBD		Solar City	Solar City	Solar City	Solar City	Solar City	Solar City	TBD	TBD	TBD	TBD		TBD	TBD	TBD	TBD		
9	oopiciny	Confidential if not	Awarded)		Solar City		Solar City			Solar City	Solar City	Solar City	Hawaii Solar Finance	Solar City	Solar City											
PV Projects			Size (kW)	TBD	114.66	TBD	229.30	TBD		36.19	100.80	16.45	28.98	37.80	78.96	TBD	TBD	TBD	TBD		TBD	TBD	TBD	TBD		
P			Division	Airports	Airports	Airports	Airports	Airports		Airports	Highways	Highways	Highways	Highways	Harbors	Harbors	FTZ	Harbors	HN		ΗN	ΗN	ΗN	ΗN		
			Location	Terminal Roof	Terminal Roof	Parking Lot Shade	Wastewater Treatment Plant	Parking Lot Shade, Fire Station,	T-Hangar Roof, Baseyard Roof	Terminal Roof	Mechanic Shop, Maintce Admin Blda. Truck Shed Roof	Truck Shed, Admin Bldg Roof	Motor Pool, Equip Shed Roof	Design and Lab Facility Roof	Passenger Lounge, Pier 1 Shed	Shed Building Roof	Building Roof	Building Roof	New Educational Building and	Newer Dorms	New Pauley Lab	Boat House	Covered Walkway		West Annex Lab, Old Pauley Lab,	New Tanks
			Facility	Molokai Airport	Lanai Airport	Kona International Airport	Kona International Airport	Lihue Airport		Waimea Kohala Airport	Maui HWY Baseyard	Keanae HWY Baseyard	Molokai HWY Baseyard	Hilo HWY	Kahului Harbor	Barbers Point Harbor	Foreign Trade Zone	Harbors Pier 2	University of Hawaii Coconut Island		University of Hawaii Coconut Island					

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## Appendix 4: Department of Transporation - Airports Division Fuel Data DOT-Airports Division FY11 Fuel Report

License Plate	Section	Cost Center	Fuel Config	Vehicle Mileage	Fuel Consumption	Average Vehicle MPG
4379 Total	VIP	VIP	E-10	48	4.8	10.0
4408 Total	PM	PM	E-10	233	64.5	3.6
4437 Total	EQ	EQ	Diesel	1016.6	369	2.8
4451 Total	EQ	EQ	Diesel	797		
4454 Total	EQ	EQ	Diesel	383	67.2	5.7
4817 Total	DIV	DIV	E-10	48100	52.8	911.0
4884 Total	AIR-E	2040	E-10	209	16.8	12.4
4885 Total	PM	2185	E-10	211		
4886 Total	AIR-E	2040	E-10	268		
4887 Total	AM	2185	E-10	168		
4888 Total	PM	2185	E-10	3608		
4893 Total	PM	2185	E-10	1970		
4894 Total	PM	2185	E-10	2043		
4898 Total	SK	2185	E-10	1312		
4900 Total	OME	2185	E-10	1068		
6112 Total	LS LS	LS	E-10	231		
6114 Total 6324 Total	LS PM	2185 2185	E-10 E-10	2268 9029		7.7 8.2
7232 Total	0	2185	Diesel	694.5		
7258 Total	AM	2185	E-10	1176		
7371 Total	LB	2185	E-10	652		
7712 Total	LS	2185	E-10	3091		
7787 Total	AM	2185	E-10	666		
7933 Total	OM	2185	E-10	0		
7988 Total	OME	2185	E-10	45350		
8055 Total	LS	2185	E-10	761		
8058 Total	LS	2185	E-10	269	53.5	5.0
8081 Total	LS	2185	E-10	1926	284	6.8
8195 Total	PM	2185	E-10	20813		
8201 Total	LS	2185	E-10	53.9		
8315 Total	LS	2185	E-10	836		
8477 Total	DIV	2040	E-10	340		
8478 Total	AM	2185	E-10	2883		
8491 Total	PM	2185	E-10	148		
8571 Total	PM	2185	Diesel	151		
8658 Total	PM LS	2185	E-10	616		
8728 Total 8729 Total	EQ	2185 2185	E-10 E-10	428 928.5		
8730 Total	PM	2185	E-10 E-10	920.5 2495		
8773 Total	LB	2185	E-10	656		
8774 Total	AIR-E	2040	E-10	961		
8775 Total	OSD	2187	E-10	1019		
8776 Total	AIR-E	2070	E-10	1816	85.4	21.3
8874 Total	К9	2187	E-10	774	55.3	14.0
8876 Total	К9	2187	E-10	1514	88	17.2
8905 Total	PM	2185	E-10	331	98.5	3.4
8906 Total	DIV	2060	E-10	1453		
8926 Total	OME	2185	E-10	709		
9029 Total	COM	2195	E-10	337		
9187 Total	PM	2185	E-10	382		
9436 Total	VIP	2190	E-10	853		
9565 (V-4) Total	OSD	2187	E-10	0		
9594 (V-3) Total	OSD	2187	E-10	0	12	0.0

9595 (V-1) Total	OSD	2187	E-10	3578.5	64	55.9
9600 Total	LS	2185	E-10	1392	86.8	16.0
9621 Total	AM	2185	E-10	1384	112.3	12.3
9677 Total	OKA	2485	E-10	5998.1	232	25.9
9678 Total	OCU	2405	E-10	1258	113.9	11.0
9679 Total	AM	2185	Diesel	1218	121.3	10.0
9680 Total	AM	2185	Diesel	443	33.3	13.3
9701 Total	LB	2185	E-10	74161	370.9	199.9
9929 Total	LB	2185	E-10	3070	421.6	7.3
9991 Total	ODF	2285	E-10	3708	87	42.6
A119 Total	KALAELOA	2485	E-10	90915	20.9	4350.0
A286 Total	Code 22	2195	Diesel		23	0.0
A473 Total	PM-AC	2185	E-10	3413	473.0	7.2
A499 K-9 ASTRO VAN Total	K-9	2100	E-10	3595	316.3	11.4
A500 K-9 VAN Total	K-9	2187	E-10	11932	849.2	14.1
A515 Total	AIR-OSM	2195	E-10	471	174.2	2.7
A557 (V-7) Total	OSD Sheriff	2187	E-10	2872	235.5	12.2
A558 (V-8) Total	OSD Sheriff	2187	E-10	5411	355.3	15.2
A559 (V-9) Total	SHERIFF	2187	E-10	12043	1583.6	7.6
A560 (V-6) Total	SHERIFF SH		E-10	3362	282.4	11.9
A604 Total		SM	E-10	507	69.0	7.3
A630 Total	DIV DI		E-10	0	12.5	0.0
A709 (V-10) Total		IERIFF	E-10	3356	514.6	6.5
A710 Total		imp	E-10	9508	843.6	11.3
A729 (V-11) Total	•	neriff	E-10	12519	1062.4	11.8
A730 (V-14) Total	Sheriff		E-10	15415	1405.9	11.0
A731 (V-16) Total	Sheriff		E-10	14221	1167.1	12.2
A733 (V-15) Total	Sheriff		E-10	10846	663.2	16.4
A748 (V-12) Total	Sheriff		E-10	11931	1148	10.4
A868 Total	EQ		Diesel	900	295.5	3.0
AN318 Total	Offroad		E-10	628.3	53.7	11.7
AN322 Total	Offroad		E-10	538	32.3	16.7
AN436 (MULE Kawasaki) Tota	al		E-10	262	118	2.2
AN439 (Tiger Lift) Total			E-10	2236	139.4	16.0
AN446 (Tiger Mini-Dump) Tot			E-10	3449	147.2	23.4
AN447 (Tiger Mini-Dump) Tot			E-10	3478.9	60.3	57.7
AN451 (Vantage Dump) Total			E-10	879.7	29.1	30.2
AN452 (Vantage Utility) Tota			E-10	5114	174.4	29.3
AN453 (Vantage Utility) Tota AN454 (Vantage Van) Total	1		E-10 E-10	16339	402.1	40.6 38.4
	otol			3104	80.9	
AN460 (Vantage Xtra-Cab) T AN461 (Vantage Xtra-Cab) T			E-10 E-10	1580 343	53.4 129.2	29.6 2.7
AN461 (Vantage Std Cab) To			E-10 E-10	6577.2	129.2	41.1
AN462 (Vantage Std Cab) To AN463 (Vantage Crew Cab) T			E-10 E-10	3321	139.9	26.1
AN463 (Vantage Crew Cab) T AN464 (Vantage Crew Cab) T			E-10 E-10	2786	127.1	20.1
AN465 (Vantage Van) Total	otai		E-10	2057	65.7	31.3
AN471 TIGER UTILITY 08 Tot	al		E-10	67.8	85.6	0.8
AN472 TIGER UTILITY 08 Tot			E-10	1157	64.4	18.0
AN473 TIGER UTILITY 08 Tot			E-10	1111	70.8	15.7
AN474 TIGER UTILITY 08 Tot			E-10	3418	205.7	16.6
AN475 TIGER DUMP 08 Total			E-10	1116	92.8	12.0
AN476 TIGER DUMP 08 Total			E-10	2002	142.8	14.0
AN477 TIGER DUMP 08 Total			E-10	595.6	50.4	11.8
AN478 TIGER DUMP 08 Total			E-10	524	64.4	8.1
AN479 TIGER DUMP 08 Total			E-10	518.6	37	14.0
AN483 VANTAGE 08 Total			E-10	569	22.6	25.2
AN484 VANTAGE 08 Total			E-10		10.3	0.0

### Appendix 4: Department of Transporation - Airports Division Fuel Data DOT-Airports Division FY11 Fuel Report

NMA85 TICEP Total     E-10     15.5     0.0       ANA87 (Vantage Utility) Total     DEL     E-10     29.4     544.2     0.0       B623 Total     Labor Shop     E-10     3373     644.2     5.2       B722 Total     Fife     E-10     3373     644.2     5.2       B723 Total     Fife     E-10     1203     10.04     11.2       B730 Total     S.K     E-10     1460     11.9     7.5       B795 Total     OCU     E-10     1860     23.9     7.7     5.8       C105 S(WEEPER) Total     EQ     Disesil     3.20     9.7.7     5.8       C223 Total     Fire     Disesil     6.498     11.0     5.7.8       C224 COURANCO) Total     OME     E-10     12.40     4.08     6.9       C224 COURANCO) Total     OMF     E-10     7.74     6.3     6.9     1.17       C303 (Dodge Caravan) Total     OMF     E-10     14.01     16.0     2.02     5.9       C303 (Dodge Caravan) Total	AN485 VANTAGE 08 Total		E-10		10	0.0
AN487 (Vantage Utility) Total     E-10     5-10     9.51     8.0.       B592 Total     Labor Shop     E-10     3373     44.2     5.2.       B722 Total     Fire     E-10     1303     568.3     9.5       B723 Total     Fire     E-10     1403     100.8     11.9       B705 Total     SK     E-10     1404     189.9     7.5     12.0       B972 K-9 JEEP CHEROKEE Total     COU     E-10     1406     189.7     3.8.6     18.1       C103 Total     OME     E-10     160.0     239.5     7.8     6.16     5.0.2     7.8       C123 Total     Fire     Diesel     36.0     9.7.7     5.3     5.2       C223 Total     Fire     Diesel     6.368     11.0     57.8     7.7.5     5.3       C224 Total     Fire     Diesel     6.368     17.3     7.2.5     5.2.7     7.7.6     5.3     7.2.7     5.3     7.2.7     5.3     7.2.7     5.3     7.2.7     5.3     7.2.7     7						
B592 Total     CEL     E-10     2594     84.2     4.4       B623 Total     Labor Shop     E-10     536     598.3     95       B722 Total     Fire     E-10     1203     100.8     119       B720 Total     SK     E-10     4435     377.5     120       B995 Total     OCU     E-10     1486     189.9     7.8       C103 Total     OME     E-10     1486     189.9     7.8       C165 (SWEEPER) Total     EQ     Diesel     36.00     97.4     38       C223 Total     Fire     Diesel     37.99     177.6     53.0       C223 (DURANGO) Total     OME     E-10     140.9     24.0     59       C234 (DURANGO) Total     OME     E-10     706.2     61.1     71.1       C302 (Dodge Caravan) Total     OUL     E-10     706.2     65.0     11.4     71.1       C302 (Dodge Caravan) Total     OUL     E-10     706.2     65.0     11.7     70.3     64.0     77.1     73.3						
B623 Total     Labor Shop     E-10     3373     4+2     52       B722 Total     Fire     E-10     1203     100.8     11.9       B730 Total     SK     E-10     1403     377.5     120       B979 Total     OCU     E-10     1464     189.9     75.8       B722 K-9 JEEP CHEROKEE Total     CUU     E-10     160.0     239.5     7.8       C103 Total     OME     E-10     160.0     239.5     7.8       C165 (SWEEPER) Total     EQ     Diesel     36.0     97.4     3.8       C228 Total     Fire     Diesel     64.04     368     1.0     578.9       C228 Total     Fire     Diesel     64.04     368     1.7.3       C236 (DURANGO) Total     OME     E-10     274.9     408.8     69       C302 (Dodge Caravan) Total     OUL     E-10     1601     188.8     6.9       C302 (Codge Caravan) Total     OUL     E-10     210.2     253.2     4.7       C304 (Ford F350) Total     OMB		OFI		2594		
EP22     Total     Fire     E-10     5306     58-33     99-5       B723     Total     SK     E-10     1733     170.8       B730     Total     SK     E-10     4535     377.5     120       B939     Total     OCU     E-10     1486     189.9     7.8       C103     Total     OME     E-10     1486     189.9     7.8       C165     SWEEPER)     Total     EQ     Diesel     37.9     77.7.6     5.3       C227     Total     EQ     Diesel     37.9     77.7.6     6.3       C2236     OURARGO)     Total     OME     E-10     24.9     40.8     69       C236     OURARGO)     Total     OME     E-10     7.602     65.02     11.7       C301     Codge Caravan)     Total     OME     E-10     7.802     6.1       C303     Codge Caravan)     Total     OUL     E-10     7.802     6.4       C305     Groff Anangre P/						
Fire     E-10     1003     100.8     11.9       B780 Total     SK     E-10     4335     377.5     72.0       B795 Total     OCU     E-10     1446     189.9     7.8       B972 K-9 JEEP CHEROKEE Total     OME     E-10     1860     229.5     7.8       C103 Total     OME     E-10     1860     229.5     7.8       C165 (SWEEPER) Total     EQ     Diesel     370.9     777.6     5.3       C223 Total     Fire     Diesel     640.9     369.8     17.3       C236 (DURANGO) Total     OME     E-10     140.9     240.2     5.8       C237 (DURANGO) Total     OME     E-10     160.5     711.4     7.1       C302 (Dodge Caravan) Total     OME     E-10     160.4     86.9     2.6       C303 (Dodge Caravan) Total     OMB     E-10     100.7     2.4     7.7       C304 (Ford F350 P/U) Total     OM8     E-10     120     182.2     4.4       C304 (Ford F350) Total     C00     Diesel		•				
B730     Total     SK     E-10     4435     377.5     12.0       B959 Total     OCU     E-10     1486     189.9     7.8       B972 K-9 JEEP CHEROKEE Total     E-10     1486     189.9     7.8       C103 Total     OME     E-10     1860     239.5     7.8       C165 (SWEEPER) Total     EQ     Diesel     3769     947.4     3.8       C166 (SWEEPER) Total     EQ     Diesel     6409     240.2     5.9       C223 total     Fire     Diesel     6409     240.2     5.9       C236 (DURANGO) Total     OMF     E-10     240.2     5.9       C301 (Dodge Caravan) Total     OCU     E-10     1602     650.2     11.7       C302 (Dodge Caravan) Total     OCU     E-10     120.2     26.4     7.7       C304 (Ford F250 P/U) Total     OMB     E-10     120.2     180.4     4.8       C305 (Ford Ranger P/U) Total     OMB     E-10     1807     296.2     6.1       C316 HELIC/Grd F350 Total     EO						
B959 Total     OCU     E-10     1486     199.9     7.8       B972 K-9 JEP CHEROKEE Total     OME     E-10     1860     239.5     7.8       C103 Total     OME     E-10     1860     239.5     7.8       C165 (SWEEPER) Total     EQ     Diesel     3404     717.6     5.3       C223 Total     Fire     Diesel     6368     11.0     978.9       C233 (DURANGO) Total     OMF     E-10     1409     240.2     5.9       C233 (DURANGO) Total     OMF     E-10     1409     240.2     1.7       C301 (Dodge Caravan) Total     OCU     E-10     760.2     650.2     1.1.7       C302 (Dodge Caravan) Total     OCU     E-10     160.2     50.2     1.1.7       C302 (Ford Ranger P./U) Total     Landscape     E-10     120.2     148.4     6.80       C304 (Ford F250 P./U) Total     OMB     E-10     120.2     18.4     7.83       C316 HEIL(Ford F350) Total     EO     Diesel     348.2     9.11.3       C316 (Ford F350) To						
B972 K-9 JEEP CHEROKEE Total     E-10     1093     58.6     18.7       C103 Total     OME     E10     1860     239.5     7.8       C165 (SWEEPER) Total     E0     Diesel     3769     717.6     5.3       C122T Total     Fire     Diesel     6468     11.0     578.0       C223 total     Fire     Diesel     6468     11.0     578.0       C236 (DURANGO) Total     OMF     E-10     274.0     400.8     6.9       C236 (DURANGO) Total     OMF     E-10     566.5     711.4     7.1       C301 (Dodge Caravan) Total     OCU     E-10     1002     59.2     6.4       C303 (Dodge Caravan) Total     OCU     E-10     1202     17.9     2.64     7.7       C304 (ford F250 P/U) Total     OMB     E-10     1202     18.4     4.8     2.9     6.4       C305 (ford Ranger P/U) Total     OMB     E-10     1202     18.4     2.2     1.0       C316 HEIL(Ford F350) Total     E0     Diesel     3.48     2.91.0				1486		
C103 Total     OME     E-10     1860     239.5     7.8       C165 (SWEEPER) Total     EO     Diesel     3%0     947.4     3.8       C126 (SWEEPER) Total     EO     Diesel     6.84     11.0     578.9       C227 Total     Fire     Diesel     6.48     11.0     578.9       C237 (DURANGO) Total     OMF     E-10     1409     240.2     5.9       C237 (DURANGO) Total     OMF     E-10     7.040     8.08     17.3       C301 (Dodge Caravan) Total     OME     E-10     7.060     77.14     7.11       C302 (Dodge Caravan) Total     OME     E-10     1202     169.4     7.7       C304 (Ford F250 P/U) Total     OMB     E-10     1202     169.4     7.7       C315 (Sweeper) Total     EO     Diesel     348     291.3     120.4     6.1       C315 (Sweeper) Total     EO     Diesel     348     291.3     120.4     6.1       C316 (Ford F350 P/U) Total     OMB     E-10     12711     124.6     120.2						18.7
C165 (SWEEPER) Total     EO     Diesel     3769     947.4     3.8       C166 (SWEEPER) Total     Fire     Diesel     3769     717.6     5.3       C223 Total     Fire     Diesel     6438     11.0     578.9       C223 (DURANGO) Total     OMB     E-10     1409     240.2     5.9       C236 (DURANGO) Total     OMF     E-10     279.4     400.8     69       C301 (Dodge Caravan) Total     OCU     E-10     760.2     650.2     11.7       C302 (Dodge Caravan) Total     OCU     E-10     714.4     7.7       C304 (Ford F250 P/U) Total     Landscape     E-10     212.2     754.4     7.7       C304 (Ford F250 P/U) Total     OMB     E-10     124.2     53.4     48       C305 (Ford Ranger P/U) Total     OMB     E-10     124.2     12.0     137.2       C316 HELIC/Ford F350 Total     EO     Diesel     348     147.1     42.2       C316 VELIC/Ford F350 Total     Sheriff     E-10     127.1     124.6     11.0		OME		1860	239.5	7.8
C166 (SWEEPER) Total     EO     Diesel     37.9     717.6     5.3       C227 Total     Fire     Diesel     63.88     11.0     578.9       C238 Total     Fire     Diesel     64.99     36.98     17.3       C236 (DURANGO) Total     OMF     E-10     14.09     240.2     5.9       C236 (DURANGO) Total     OMF     E-10     7602     660.2     11.7       C301 (Dodge Caravan) Total     OCU     E-10     71602     660.2     11.7       C302 (Dodge Caravan) Total     OCU     E-10     11601     1688.8     6.9       C304 (Ford F250 P/U) Total     Candscape     E-10     2192     26.4     733       C307 (Ford F250 P/U) Total     OMB     E-10     1807     296.2     6.1       C315 (Sweeper) Total     EO     Diesel     348     291.3     120       C316 (Ford Ranger P/U) Total     OMB     E-10     12711     124.7     124       C316 (Ford Ranger P/U) Total     OMB     E-10     128.3     11.1     C34     124.7 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
C227 Total     Fire     Diesel     6468     11.0     578.0       C228 Total     Fire     Diesel     6409     369.8     17.3       C236 (DURANGO) Total     OMF     E.10     1409     240.2     5.9       C236 (DURANGO) Total     OMF     E.10     5065     711.4     7.1       C301 (Dodge Caravan) Total     OCU     E.10     1600.2     650.2     11.7       C302 (Dodge Caravan) Total     OCU     E.10     1202     524.4     4.8       C303 (Dodge Caravan) Total     VIP     E.10     1220     189.2     4.4       C305 (Ford Ranger P/U) Total     OMB     E.10     1220     189.2     4.4       C304 (Ford F250 P/U) Total     OMB     E.10     1807     24.2     12.4       C316 HEIL(Ford F350) Total     EO     Diesel     348     291.3     11.1       C340 (F250 Arbulance) Total     Sheriff     Diesel     348     28.5     11.2       C341 (Expedition SUV) Total     Sheriff     E.10     1201     124.6     12.0 <th></th> <th></th> <th></th> <th>3769</th> <th>717.6</th> <th>5.3</th>				3769	717.6	5.3
C228 Total     Fire     Dicsel     6409     39.8     17.3       C236 (DURANGO) Total     OMB     E-10     1409     240.2     5.9       C237 (DURANGO) Total     OMF     E-10     2749     400.8     6.9       C236 (DURANGO) Total     OME     E-10     7602     650.2     11.7       C301 (Dodge Caravan) Total     OCU     E-10     11601     1689.8     6.9       C302 (Dodge Caravan) Total     OCU     E-10     122     26.4     7.7       C304 (Ford F250 P/U) Total     Landscape     E-10     1207     199.2     6.4       C307 (Ford F250 P/U) Total     OMB     E-10     1207     199.2     6.4       C315 (Sweeper) Total     E0     Diesel     6318     1497.1     4.2       C316 (Ford P250 P/U) Total     E0     Diesel     930     83.5     11.1       C340 (F250 P/U) Total     AM     E-10     1218     140.7     10.2       C319 (F350 Ambulance) Total     Noff     E-10     1303     148.8     8.043     14.3 <th></th> <th></th> <th>Diesel</th> <th>6368</th> <th>11.0</th> <th>578.9</th>			Diesel	6368	11.0	578.9
C236 (DURANGO) Total     OME     E-10     1409     240.2     5.9       C237 (DURANGO) Total     OMF     E-10     2749     400.8     6.9       C236 (DURANGO) Total     OME     E-10     5065     711.4     7.1       C301 (Dodge Caravan) Total     OCU     E-10     1801     1688.8     6.9       C302 (Dodge Caravan) Total     OCU     E-10     213.2     276.4     7.7       C304 (Ford P2S0 P/U) Total     Landscape     E-10     1807     286.2     4.8       C305 (Ford Ranger P/U) Total     OMB     E-10     1807     286.2     6.1       C315 (Sweeper) Total     EO     Diesel     3488     291.3     12.0       C316 (Ford F350) Total     EO     Diesel     3488     291.3     12.0       C340 (F250 P/U) Total     AM     E-10     12711     146.7     12.0       C3416 (Expedition SUV) Total     Sheriff     E-10     1303     148.8     8.8       C418 (Dodge 3/4T Utility) Total     OMB     E-10     1303     148.8     8.8 <th></th> <th></th> <th></th> <th></th> <th>369.8</th> <th></th>					369.8	
C237 (DURANGO) Total     OMF     E-10     5905     711.4     7.11       C286 (DURANGO) Total     OME     E-10     5065     711.4     7.11       C301 (Dodge Caravan) Total     OCU     E-10     7602     650.2     11.7       C302 (Dodge Caravan) Total     OCU     E-10     7123     276.4     7.7       C304 (Ford F250 P/U) Total     Landscape     E-10     2542     532.4     4.8       C305 (Ford Ranger P/U) Total     OMB     E-10     1897     2.96.1     1     6.4       C307 (Ford F250 P/U) Total     OMB     E-10     1897     2.92.6     6.1       C316 (FE250 P/U) Total     OMB     E-10     1807     2.92.6     6.1       C316 (FE250 Ambulance) Total     EO     Diesel     348     2.91.3     12.0       C319 (FE350 Ambulance) Total     Sheriff     Diesel     9.30     83.5     11.1       C341 (Expedition SUV) Total     Sheriff     E-10     12711     124.6     10.4       C341 (Expedition SUV) Total     OMB     E-10     12711 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
C286 (DURANGO) Total     OME     E-10     5065     711.4     7.1       C301 (Dodge Caravan) Total     OCU     E-10     7602     650.2     11.7       C302 (Dodge Caravan) Total     OCU     E-10     11601     1688     6.9       C302 (Dodge Caravan) Total     VIP     E-10     2132     276.4     7.7       C304 (Ford F250 P/U) Total     Landscape     E-10     120     189.2     6.4       C305 (Ford Ranger P/U) Total     OMB     E-10     120     189.2     6.4       C315 (Sweeper) Total     EO     Diesel     3488     201.3     12.0       C316 (EIL(Ford F350) Total     EO     Diesel     3488     202.3     10.4       C340 (F250 P/U) Total     Sheriff     E-10     12711     1246.7     10.2       C414 (Dodge 3/4T Utility) Total     OMB     E-10     1303     148.8     8.8       C420 (Van Econoline) Total     OMB     E-10     12711     1246.7     10.2       C418 (Dodge 3/4T Utility) Total     OMB     E-10     1303     148.8 <th></th> <th></th> <th></th> <th>2749</th> <th></th> <th>6.9</th>				2749		6.9
C301 (Dodge Caravan) Total     OCU     E-10     7602     650.2     11.7       C302 (Dodge Caravan) Total     OCU     E-10     11601     1688.8     6.9       C303 (Dodge Caravan) Total     VIP     E-10     2132     276.4     7.7       C304 (Ford F250 P/U) Total     OMB     E-10     1220     189.2     6.4       C307 (Ford F250 P/U) Total     OMB     E-10     189.2     6.4       C316 (Ff250 P/U) Total     OMB     E-10     189.2     6.4       C316 (Ff250 P/U) Total     OMB     E-10     189.2     6.1       C316 (Ff250 P/U) Total     EO     Diesel     3488     291.3     12.0       C319 (Ff350 Ambulance) Total     Sheriff     Diesel     930     83.5     11.1       C340 (F250 P/U) Total     AM     E-10     12711     1246.7     10.2       C418 (Dodge 3/AT Utility) Total     OMB     E-10     1303     148.8     8.8       C419 (Dodge 3/AT Utility) Total     OME     E-10     4567     8.78.5     6.7       C421 (FORD F350 C				5065	711.4	7.1
C302 (Dodge Caravan) Total     OCU     E-10     11601     1688.8     6.9       C303 (Dodge Caravan) Total     VIP     E-10     2132     276.4     7.7       C304 (Ford F25D P/U) Total     Landscape     E-10     2542     532.4     4.8       C305 (Ford Ranger P/U) Total     OMB     E-10     120     189.2     6.4       C307 (Ford F250 P/U) Total     OMB     E-10     120     189.2     6.1       C315 (Sweeper) Total     EO     Diesel     6318     1447.1     4.2       C319 (F350 Ambulance) Total     Sheriff     Diesel     930     83.5     11.1       C341 (Expedition SUV) Total     Sheriff     E-10     1201     148.8     8.8       C419 (Dodge 3/4T Utility) Total     OMB     E-10     1303     144.8     8.8       C419 (Dodge 3/4T Utility) Total     OMB     E-10     1303     144.8     8.8       C419 (Dodge 3/4T Utility) Total     OMB     E-10     1303     144.8     8.8       C421 (FORD F350 CREW CAB) Total     OCU     E-10     4760	. ,				650.2	11.7
C303 (Dodge Caravan) Total     VIP     E-10     2132     276.4     7.7       C304 (Ford F250 P/U) Total     Landscape     E-10     1220     199.2     6.4       C305 (Ford Ranger P/U) Total     OMB     E-10     1807     296.2     6.1       C315 (Sweeper) Total     EO     Diesel     3488     291.3     12.0       C316 (HEIL(Grof F350) Total     EO     Diesel     3488     293.3     12.0       C316 (HEIL(Grof F350) Total     AM     E-10     12711     1246.7     10.2       C314 (Expedition SUV) Total     AM     E-10     2211     1246.7     10.2       C411 (Expedition SUV) Total     OMB     E-10     1303     148.8     8.8       C419 (Dodge 3/4T Utility) Total     OMB     E-10     26867     878.5     6.7       C420 (Van Econoline) Total     OCU     E-10     5867     878.5     6.7       C421 (FORD F350 CREW CAB) TcLandscape     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     1956     189						
C304 (Ford F250 P/U) Total     Landscape     E-10     2542     532.4     4.8       C305 (Ford Ranger P/U) Total     OMB     E-10     1200     189.2     6.4       C307 (Ford F250 P/U) Total     OMB     E-10     1807     296.2     6.11       C315 (Sweeper) Total     EO     Diesel     6318     1487.1     4.2       C316 (F350 Ambulance) Total     Sheriff     Diesel     930     83.5     11.1       C340 (F250 P/U) Total     AM     E-10     2348     225.2     10.4       C341 (Expedition SUV) Total     Sheriff     E-10     1303     148.8     88       C420 (Van Econoline) Total     OMB     E-10     2648     229.6     11.8       C422 (Ford Ranger P/U) Total     OMB     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     9.1       C423 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     4.7       C423 (Ford Ranger) Total     OME     E-10     195.6     189 <th></th> <th></th> <th></th> <th>2132</th> <th>276.4</th> <th>7.7</th>				2132	276.4	7.7
C305 (Ford Ranger P/U) Total     OMB     E-10     1220     199.2     6.4       C307 (Ford F250 P/U) Total     OMB     E-10     1807     296.2     6.1       C315 (Sweeper) Total     EO     Diesel     6.318     147.1     4.2       C316 (HEIL(Ford F350) Total     EO     Diesel     3488     291.3     12.0       C340 (F250 P/U) Total     AM     E-10     2348     225.2     10.4       C341 (Expedition SUV) Total     Sheriff     E-10     12711     1246.7     10.2       C418 (Dodge 3/4T Utility) Total     OMB     E-10     2308     229.6     11.8       C420 (Van Econoline) Total     OCU     E-10     5867     878.5     6.7       C421 (FORD F350 CREW CAB) TcLandscape     E-10     6713     713.4     9.1       C423 K -9 DURANGO Total     K-9     E-10     1956     189     10.3       C531 (DODE F /U) Total     ORC     E-10     8332     104.8     6.1       C565 (Explorer SUV) Total     ORC     E-10     8332     104.8     6.1				2542	532.4	4.8
C307 (Ford F250 P/U) Total     OMB     E-10     1807     296.2     6.1       C315 (Sweeper) Total     EO     Diesel     6318     1447.1     4.2       C316 (FELIC/Ford F350) Total     EO     Diesel     3488     291.3     12.0       C319 (F350 Ambulance) Total     Sheriff     Diesel     930     83.5     11.1       C340 (F250 P/U) Total     AM     E-10     1303     148.8     252.2     10.4       C341 (Expedition SUV) Total     Sheriff     E-10     1303     148.8     8.8       C419 (Dodge 3/4T Utility) Total     OMB     E-10     2696     11.8     8.8       C420 (Van Econoline) Total     OCU     E-10     2697     7.4     C422 (Ford Ranger P/U) Total     OME     E-10     4740     639.6     7.4       C421 (FOR F350 CREW CAB) TcLandscape     E-10     4740     639.6     7.4     C422 (Ford Ranger P/U) Total     OME     E-10     2143     457.2     4.7       C531 (DODGE P/U) Total     CODE 22     E-10     6733     1104.8     6.1		•		1220	189.2	6.4
C315 (Sweeper) Total     EO     Diesel     6318     1487.1     4.2       C316 HELL(Ford F350) Total     EO     Diesel     3488     291.3     12.0       C319 (F350 Ambulance) Total     Sheriff     Diesel     930     83.5     11.1       C340 (F250 P/U) Total     AM     E-10     2248     225.2     10.4       C341 (Expedition SUV) Total     Sheriff     E-10     12711     1246.7     10.2       C418 (Dodge 3/4T Utility) Total     OMB     E-10     2698     229.6     11.8       C420 (Van Econoline) Total     OCU     E-10     5867     878.5     6.7       C421 (FORD F350 CREW CAB) TCLandscape     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     4743     49.1       C433 (DODGE P/U) Total     EO     E-10     2143     457.2     4.7       C553 (Explorer SUV) Total     OME     E-10     1874     369.4     5.1       C656 (Explorer SUV) Total     OME     E-10     1874     369.4     5.1				1807	296.2	6.1
C316 HEIL(Ford F350) Total     EO     Diesel     3488     291.3     12.0       C319 (F350 Ambulance) Total     Sheriff     Diesel     930     83.5     11.1       C340 (F250 P/U) Total     AM     E-10     2348     225.2     10.4       C341 (Expedition SUV) Total     Sheriff     E-10     12711     1246.7     10.2       C418 (Dodge 3/4T Utility) Total     OMB     E-10     3686     229.6     11.8       C420 (Van Econoline) Total     OMB     E-10     4698     229.6     11.8       C422 (Ford Ranger P/U) Total     OME     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     EO     E-10     1956     189     10.3       C531 (DDDGE P/U) Total     EO     E-10     2143     457.2     4.7       C532 (Dodge Durango) Total     ORC     E-10     8332     1040.8     8.0       C546 (Expedition) Total     OME     E-10     1874     45.1     1662     5.0.0     0.6     667     0.0.8     6.0     C676 (Durango) Total				6318	1487.1	4.2
C319 (F350 Ambulance) Total     Sheriff     Diesel     930     83.5     11.1       C340 (F250 P/U) Total     AM     E-10     2348     225.2     10.4       C341 (Expedition SUV) Total     Sheriff     E-10     12711     1246.7     10.2       C418 (Dodge 3/4T Utility) Total     OMB     E-10     1303     1448.8     8.8       C419 (Dodge 3/4T Utility) Total     OMB     E-10     2698     229.6     11.8       C420 (Van Econoline) Total     OCU     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     9.1       C422 (Ford Ranger P/U) Total     EO     E-10     1956     189     10.3       C532 (Dodge Durango) Total     CDE 22     E-10     6733     1104.8     6.1       C565 (Explorer SUV) Total     OMC     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OME     E-10     1874     369.4     5.1       C676 (Durango) Total     OMB     E-10     1971     320.4	• •			3488	291.3	12.0
C340 (F250 P/U) Total     AM     E-10     2348     225.2     10.4       C341 (Expedition SUV) Total     Sheriff     E-10     12711     1246.7     10.2       C418 (Dodge 3/4T Utility) Total     OMB     E-10     1303     148.8     8.8       C420 (Van Econoline) Total     OCU     E-10     2696     229.6     11.8       C420 (Van Econoline) Total     OCU     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     9.1       C423 K-9 DURANGO Total     K-9     E-10     1956     189     10.3       C531 (DODGE P/U) Total     EO     E-10     6733     1104.8     6.1       C565 (Explorer SUV) Total     ORC     E-10     8332     1040.8     8.0       C564 (Durango) Total     OME     E-10     1874     369.4     5.1       C666 (Saturn Vue) Total     OME     E-10     1874     369.4     5.1       C6676 (Durango) Total     Ramos     E-10     16597     1458.0     10.8 <th></th> <th></th> <th></th> <th>930</th> <th>83.5</th> <th>11.1</th>				930	83.5	11.1
C341 (Expedition SUV) Total     Sheriff     E-10     12711     1246.7     10.2       C418 (Dodge 3/4T Utility) Total     OMB     E-10     1303     148.8     8.8       C419 (Dodge 3/4T Utility) Total     OMB     E-10     2698     229.6     11.8       C420 (Van Econoline) Total     OCU     E-10     5867     878.5     6.7       C421 (FORD F350 CREW CAB) Tc Landscape     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     2143     457.2     4.7       C531 (DODEE P/U) Total     EO     E-10     2143     457.2     4.7       C532 (Dodge Durango) Total     CODE 22     E-10     6733     1104.8     6.1       C562 (Saturn Vue) Total     OMC     E-10     2139     1008.1     8.0       C564 (Ford Ranger) Total     OM     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OMB     E-10     1874     369.4 <t< th=""><th></th><th></th><th></th><th>2348</th><th>225.2</th><th>10.4</th></t<>				2348	225.2	10.4
C418 (Dodge 3/4T Utility) Total     OMB     E-10     1303     148.8     8.8       C419 (Dodge 3/4T Utility) Total     OMB     E-10     2698     229.6     11.8       C420 (Van Econoline) Total     OCU     E-10     5867     878.5     6.7       C421 (FORD F350 CREW CAB) Tc Landscape     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     9.1       C423 K-9 DURANGO Total     K-9     E-10     1956     189     10.3       C531 (DDDGE P/U) Total     COD     22     E-10     6733     1104.8     6.1       C565 (Explorer SUV) Total     ORC     E-10     832     1040.8     8.0       C594 (Ford Ranger) Total     OME     E-10     1874     369.4     5.1       C667 (Durango) Total     OMB     E-10     1874     369.4     5.1       C667 (Durango) Total     Ramos     E-10     1864     6.7       C677 (Durango) Total     Sheriff     E-10     15697     1458.0     10.8				12711	1246.7	10.2
C419 (Dodge 3/4T Utility) Total OMB     E-10     2698     229.6     11.8       C420 (Van Econoline) Total     OCU     E-10     5867     878.5     6.7       C421 (FORD F350 CREW CAB) Tc Landscape     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     9.1       C423 K-9 DURANGO Total     K-9     E-10     1956     189     10.3       C531 (DODGE P/U) Total     CODE 22     E-10     6733     1104.8     6.1       C565 (Explorer SUV) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OMB     E-10     1917     320.4     6.0       C676 (Durango) Total     OMB     E-10     1967     1458.0     10.8       C676 (Durango) Total     DIVISION     E-10     15697     1458.0     10.8       C675 Total     DIVISION     E-10     14700     89.6     18.2				1303	148.8	8.8
C420 (Van Econoline) Total     OCU     E-10     5867     878.5     6.7       C421 (FORD F350 CREW CAB) Tc Landscape     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     9.1       C423 K-9 DURANGO Total     K-9     E-10     1956     189     10.3       C531 (DODGE P/U) Total     EO     E-10     2143     457.2     4.7       C532 (Dodge Durango) Total     CODE 22     E-10     6733     1104.8     6.1       C565 (Explorer SUV) Total     ORC     E-10     8332     1040.8     8.0       C594 (Ford Ranger) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OMB     E10     2139     108.1     19.8       C676 (Durango) Total     OMB     E-10     15697     1458.0     10.8       C675 (Expedition) Total     Sheriff     E-10     15697     1458.0     10.8       C677 (Durango) Total     OMF     E-10     3712     428.6     8.7				2698	229.6	11.8
C421 (FORD F350 CREW CAB) Tc Landscape     E-10     4760     639.6     7.4       C422 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     9.1       C423 K-9 DURANGO Total     K-9     E-10     1956     189     10.3       C531 (DODGE P/U) Total     EO     E-10     2143     457.2     4.7       C532 (Dodge Durango) Total     CODE 22     E10     6733     1104.8     6.1       C565 (Explorer SUV) Total     ORC     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OME     E-10     11874     369.4     5.1       C662 (Saturn Vue) Total     OMB     E-10     1197     320.4     6.0       C676 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     Sheriff     E-10     15697     1458.0     10.8       C675 (Durango) Total     Sheriff     E-10     15697     1458.0     10.8       C675 (Corwn Victoria) Total     Sheriff     E-10     14700     80.6     18.2 <th></th> <th></th> <th></th> <th>5867</th> <th>878.5</th> <th>6.7</th>				5867	878.5	6.7
C422 (Ford Ranger P/U) Total     OME     E-10     6513     713.4     9.1       C423 K-9 DURANGO Total     K-9     E-10     1956     189     10.3       C531 (DODGE P/U) Total     EO     E-10     2143     457.2     4.7       C532 (Dodge Durango) Total     CODE 22     E-10     6733     1104.8     6.1       C556 (Explorer SUV) Total     ORC     E-10     8332     1040.8     8.0       C594 (Ford Ranger) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OM     E-10     1917     320.4     6.0       C676 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     Ramos     E-10     15697     1458.0     10.8       C675 Total     DIVISION     E-10     85     10.2     8.3       C711 Total     OMF     E-10     14367.2     830.9     17.3       C806 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3						
C423 K-9 DURANGO Total     K-9     E-10     1956     189     10.3       C531 (DODGE P/U) Total     EO     E-10     2143     457.2     4.7       C532 (Dodge Durango) Total     CODE 22     E-10     6733     1104.8     6.1       C555 (Explorer SUV) Total     ORC     E-10     8332     1040.8     8.0       C594 (Ford Ranger) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OM     E-10     1874     369.4     5.1       C664 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     Ramos     E-10     1917     320.4     6.0       C675 Total     DIVISION     E-10     15697     1458.0     10.8       C695 Total     DIVISION     E-10     3712     428.6     8.7       C712 Total     OMF     E-10     14700     809.6     18.2       C806 (Crown Victori		•	E-10	6513	713.4	9.1
C532 (Dodge Durango) Total     CODE 22     E-10     6733     1104.8     6.1       C565 (Explorer SUV) Total     ORC     E-10     8332     1040.8     8.0       C594 (Ford Ranger) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OM     E-10     2139     108.1     19.8       C676 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     Sheriff     E-10     15697     1458.0     10.8       C695 Total     DIVISION     E-10     3712     428.6     8.7       C711 Total     OMF     E-10     10289     120.1     8.6       C806 (Crown Victoria) Total     Sheriff     E-10     14700     809.6     18.2       C807 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C809 (Crown Victoria) Total     Sheriff     E-10     2426     17.0     172.1 <		К-9	E-10	1956	189	10.3
C565 (Explorer SUV) Total     ORC     E-10     8332     1040.8     8.0       C594 (Ford Ranger) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OM     E-10     2139     108.1     19.8       C676 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     Ramos     E-10     1917     320.4     6.0       C678 (Expedition) Total     Sheriff     E-10     15697     1458.0     10.8       C695 Total     DIVISION     E-10     85     10.2     8.3       C711 Total     OMB     E-10     3712     428.6     8.7       C712 Total     OMF     E-10     10289     1203.1     8.6       C806 (Crown Victoria) Total     Sheriff     E-10     14307.2     830.9     17.3       C809 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C809 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3	C531 (DODGE P/U) Total	EO	E-10	2143	457.2	4.7
C594 (Ford Ranger) Total     OME     E-10     1874     369.4     5.1       C662 (Saturn Vue) Total     OM     E-10     2139     108.1     19.8       C676 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     Ramos     E-10     1917     320.4     6.0       C677 (Durango) Total     Ramos     E-10     15697     1458.0     10.8       C675 Total     DIVISION     E-10     3712     428.6     8.7       C711 Total     OMB     E-10     10289     1203.1     8.6       C806 (Crown Victoria) Total     Sheriff     E-10     10289     1203.1     8.6       C806 (Crown Victoria) Total     Sheriff     E-10     14700     809.6     18.2       C806 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C809 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C870 (Chevy S-10 P/U) Total     OMF     E-10     26769     1996.1     13.4<	C532 (Dodge Durango) Total	CODE 22	E-10	6733	1104.8	6.1
C662 (Saturn Vue) Total     OM     E-10     2139     108.1     19.8       C676 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     Ramos     E-10     1917     320.4     6.0       C677 (Durango) Total     Ramos     E-10     15697     1458.0     10.8       C678 (Expedition) Total     Sheriff     E-10     15697     1458.0     10.8       C695 Total     DIVISION     E-10     85     10.2     8.3       C711 Total     OMB     E-10     3712     428.6     8.7       C712 Total     OMF     E-10     10289     1203.1     8.6       C806 (Crown Victoria) Total     Sheriff     E-10     14700     809.6     18.2       C807 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C809 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C870 (Chevy S-10 P/U) Total     OMF     E-10     2851     574.2     5.0	C565 (Explorer SUV) Total	ORC	E-10	8332	1040.8	8.0
C676 (Durango) Total     OMB     E-10     1917     320.4     6.0       C677 (Durango) Total     Ramos     E-10     5.5     0.0       C678 (Expedition) Total     Sheriff     E-10     15697     1458.0     10.8       C695 Total     DIVISION     E-10     85     10.2     8.3       C711 Total     OMB     E-10     3712     428.6     8.7       C712 Total     OMF     E-10     10289     120.1     8.6       C806 (Crown Victoria) Total     Sheriff     E-10     14700     809.6     18.2       C807 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C809 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C807 (Crown Victoria) Total     Sheriff     E-10     26769     1996.1     13.4       C857 (Y-8) Total     Sheriff     E-10     26769     1996.1     13.4       C857 (Y-8) Total     OMF     E-10     26769     1996.1     13.4       C871 (Chevy	C594 (Ford Ranger) Total	OME	E-10	1874	369.4	5.1
C677 (Durango) Total     Ramos     E-10     5.5     0.0       C678 (Expedition) Total     Sheriff     E-10     15697     1458.0     10.8       C695 Total     DIVISION     E-10     85     10.2     8.3       C711 Total     OMB     E-10     3712     428.6     8.7       C712 Total     OMF     E-10     10289     1203.1     8.6       C806 (Crown Victoria) Total     Sheriff     E-10     14700     809.6     18.2       C807 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C808 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C809 (Crown Victoria) Total     Sheriff     E-10     26769     1996.1     13.4       C857 (Y-8) Total     Sheriff     E-10     26769     1996.1     13.4       C870 (Chevy S-10 P/U) Total     OMF     E-10     2851     574.2     5.0       C871 (Chevy S-10 P/U) Total     OMF     E-10     708     86.6     8.2       <	C662 (Saturn Vue) Total	OM	E-10	2139	108.1	19.8
C678 (Expedition) TotalSheriffE-10156971458.010.8C695 TotalDIVISIONE-108510.28.3C711 TotalOMBE-103712428.68.7C712 TotalOMFE-10102891203.18.6C806 (Crown Victoria) TotalSheriffE-1014700809.618.2C807 (Crown Victoria) TotalSheriffE-1021181519.814.6C808 (Crown Victoria) TotalSheriffE-10221581519.814.6C808 (Crown Victoria) TotalSheriffE-102467.2830.917.3C809 (Crown Victoria) TotalSheriffE-10267691996.113.4C857 (Y-8) TotalOMFE-102851574.25.0C871 (Chevy S-10 P/U) TotalOMFE-1070886.68.2C872 (TAHOE) TotalOMEE-101254184.06.8C873 (Chevy P/U) TotalOMFE-101634203.18.0C874 (Chevy w/Camper) TotalOMFE-101634203.18.0	C676 (Durango) Total	OMB	E-10	1917	320.4	6.0
C695 TotalDIVISIONE-108510.28.3C711 TotalOMBE-103712428.68.7C712 TotalOMFE-10102891203.18.6C806 (Crown Victoria) TotalSheriffE-1014700809.618.2C807 (Crown Victoria) TotalSheriffE-10221581519.814.6C808 (Crown Victoria) TotalSheriffE-1014367.2830.917.3C809 (Crown Victoria) TotalSheriffE-10267691996.113.4C857 (Y-8) TotalSheriffE-10267691996.113.4C870 (Chevy S-10 P/U) TotalOMFE-102851574.25.0C871 (Chevy S-10 P/U) TotalOMFE-1070886.68.2C872 (TAHOE) TotalOMFE-101254184.06.8C873 (Chevy P/U) TotalOMFE-101634203.18.0C874 (Chevy w/Camper) TotalOMFE-101634203.18.0	C677 (Durango) Total	Ramos	E-10		5.5	0.0
C711 TotalOMBE-103712428.68.7C712 TotalOMFE-10102891203.18.6C806 (Crown Victoria) TotalSheriffE-1014700809.618.2C807 (Crown Victoria) TotalSheriffE-10221581519.814.6C808 (Crown Victoria) TotalSheriffE-10248.68.7C809 (Crown Victoria) TotalSheriffE-10241367.2830.917.3C809 (Crown Victoria) TotalSheriffE-10267691996.113.4C807 (Y-8) TotalOMFE-102851574.25.0C870 (Chevy S-10 P/U) TotalOMFE-1070886.68.2C872 (TAHOE) TotalOMEE-101254184.06.8C873 (Chevy P/U) TotalOMFE-101634203.18.0C874 (Chevy w/Camper) TotalOMFE-101634203.18.0	C678 (Expedition) Total	Sheriff	E-10	15697	1458.0	10.8
C712 Total   OMF   E-10   10289   1203.1   8.6     C806 (Crown Victoria) Total   Sheriff   E-10   14700   809.6   18.2     C807 (Crown Victoria) Total   Sheriff   E-10   22158   1519.8   14.6     C808 (Crown Victoria) Total   Sheriff   E-10   14367.2   830.9   17.3     C809 (Crown Victoria) Total   Sheriff   E-10   26769   1996.1   13.4     C857 (Y-8) Total   Sheriff   E-10   26769   1996.1   13.4     C870 (Chevy S-10 P/U) Total   OMF   E-10   2851   574.2   5.0     C871 (Chevy S-10 P/U) Total   OMF   E-10   708   86.6   8.2     C872 (TAHOE) Total   OMF   E-10   1254   184.0   6.8     C873 (Chevy P/U) Total   OMF   E-10   1634   203.1   8.0		DIVISION		85		8.3
C806 (Crown Victoria) Total     Sheriff     E-10     14700     809.6     18.2       C807 (Crown Victoria) Total     Sheriff     E-10     22158     1519.8     14.6       C808 (Crown Victoria) Total     Sheriff     E-10     14367.2     830.9     17.3       C809 (Crown Victoria) Total     Sheriff     E-10     26769     1996.1     13.4       C857 (Y-8) Total     Sheriff     E-10     26769     1996.1     13.4       C870 (Chevy S-10 P/U) Total     OMF     E-10     2851     574.2     5.0       C871 (Chevy S-10 P/U) Total     OMF     E-10     708     86.6     8.2       C872 (TAHOE) Total     OME     E-10     1254     184.0     6.8       C873 (Chevy P/U) Total     OMF     E-10     1634     203.1     8.0	C711 Total	OMB		3712	428.6	8.7
C807 (Crown Victoria) Total   Sheriff   E-10   22158   1519.8   14.6     C808 (Crown Victoria) Total   Sheriff   E-10   14367.2   830.9   17.3     C809 (Crown Victoria) Total   Sheriff   E-10   26769   1996.1   13.4     C857 (Y-8) Total   Sheriff   E-10   26769   1996.1   13.4     C870 (Chevy S-10 P/U) Total   OMF   E-10   2851   574.2   5.0     C871 (Chevy S-10 P/U) Total   OMF   E-10   708   86.6   8.2     C872 (TAHOE) Total   OME   E-10   1254   184.0   6.8     C873 (Chevy P/U) Total   OMF   E-10   1699   170.3   10.0     C874 (Chevy w/Camper) Total   OMF   E-10   1634   203.1   8.0	C712 Total					8.6
C808 (Crown Victoria) Total   Sheriff   E-10   14367.2   830.9   17.3     C809 (Crown Victoria) Total   Sheriff   E-10   26769   1996.1   13.4     C857 (Y-8) Total   E-10   26769   1996.1   17.0   172.1     C870 (Chevy S-10 P/U) Total   OMF   E-10   2851   574.2   5.0     C871 (Chevy S-10 P/U) Total   OMF   E-10   708   86.6   8.2     C872 (TAHOE) Total   OME   E-10   1254   184.0   6.8     C873 (Chevy P/U) Total   OMF   E-10   1639   17.0   10.0     C874 (Chevy w/Camper) Total   OMF   E-10   1634   203.1   8.0						
C809 (Crown Victoria) Total     Sheriff     E-10     26769     1996.1     13.4       C857 (Y-8) Total     2926     17.0     172.1       C870 (Chevy S-10 P/U) Total     OMF     E-10     2851     574.2     5.0       C871 (Chevy S-10 P/U) Total     OMF     E-10     708     86.6     8.2       C872 (TAHOE) Total     OME     E-10     1254     184.0     6.8       C873 (Chevy P/U) Total     OMF     E-10     1639     170.3     10.0       C874 (Chevy w/Camper) Total     OMF     E-10     1634     203.1     8.0						
C857 (Y-8) Total   2926   17.0   172.1     C870 (Chevy S-10 P/U) Total   OMF   E-10   2851   574.2   5.0     C871 (Chevy S-10 P/U) Total   OMF   E-10   708   86.6   8.2     C872 (TAHOE) Total   OME   E-10   1254   184.0   6.8     C873 (Chevy P/U) Total   OMF   E-10   1699   170.3   10.0     C874 (Chevy w/Camper) Total   OMF   E-10   1634   203.1   8.0				14367.2	830.9	
C870 (Chevy S-10 P/U) Total     OMF     E-10     2851     574.2     5.0       C871 (Chevy S-10 P/U) Total     OMF     E-10     708     86.6     8.2       C872 (TAHOE) Total     OME     E-10     1254     184.0     6.8       C873 (Chevy P/U) Total     OMF     E-10     1699     170.3     10.0       C874 (Chevy w/Camper) Total     OMF     E-10     1634     203.1     8.0		Sheriff	E-10			
C871 (Chevy S-10 P/U) Total     OMF     E-10     708     86.6     8.2       C872 (TAHOE) Total     OME     E-10     1254     184.0     6.8       C873 (Chevy P/U) Total     OMF     E-10     1699     170.3     10.0       C874 (Chevy w/Camper) Total     OMF     E-10     1634     203.1     8.0			_			
C872 (TAHOE) Total     OME     E-10     1254     184.0     6.8       C873 (Chevy P/U) Total     OMF     E-10     1699     170.3     10.0       C874 (Chevy w/Camper) Total     OMF     E-10     1634     203.1     8.0	· · · · · · · · · · · · · · · · · · ·					
C873 (Chevy P/U) Total     OMF     E-10     1699     170.3     10.0       C874 (Chevy w/Camper) Total     OMF     E-10     1634     203.1     8.0	· · · · · · · · · · · · · · · · · · ·					
<b>C874 (Chevy w/Camper) Total</b> OMF E-10 1634 203.1 8.0						
C902 (Ford Van) Total     OMF     E-10     330     124.7     2.6						
	C902 (Ford Van) Total	OMF	E-10	330	124.7	2.6

C903 (Chevy P/U) Total Division	E-10	1635	151.6	10.8
C904 (Ford P/U) Total OMB	E-10	2851	352.2	8.1
C905 (Ford P/U) Total OMF	E-10	-62216	404.6	-153.8
C906 (Ford P/U) Total ORC	E-10	1667	491.2	3.4
C937 (Ford pick-up) Total OCU	E-10	3841	360.2	10.7
C949 Total OMF	Diesel	3920	463.6	8.5
D101 SWEEPER Total OMF	Diesel	9890	3106.6	3.2
D176 Total Division	E-10	2123	124.6	17.0
D242 (Ford F350 Crew Cab) Tota OMB	E-10	5745	666.9	8.6
D243 (Ford F350 Crew Cab) Tota OMB	E-10	7569	1061.8	7.1
D244 (Ford F350 Crew Cab) Tota OMB	E-10	3859	355.8	10.8
D245 (Ford F350 Crew Cab) Tota OMB	E-10	3525	397.5	8.9
D293 Total Division	E-10	2551	288.6	8.8
D294 (Dakota Pick up) Total HDH	E-10	0	109.1	0.0
D295 (Int'l Dump 15 Yard) Total OMF	Diesel	1209	361.9	3.3
D323 (Durango) Total OME	E-10	1730	278.4	6.2
D324 (Dodge Ram 1500) Total Division	E-10	730	82.4	8.9
D325 (Int'l Lowboy) Total OMF	Diesel	760	146.0	5.2
D414 (Dodge 4 Door Sedan) Tota Division	E-10	1421	145.0	9.8
D415 (Dodge 4 Door Sedan) Tota Division	E-10	740	67.2	11.0
D416 (Dodge 4 Door Sedan) Tota Division	E-10	821	67.6	12.1
D417 (Ford Taurus) Total AIR-O	E-10	559	17.0	32.9
D418 (Ford Taurus) Total AIR-O	E-10	912	97.0	9.4
D419 (Ford 4 Door Sedan) Total Kadokawa	E-10	9760	812.0	12.0
D440 (Dodge Ram Utility) Total Keawe	Diesel	3108	225.5	13.8
D441 (Dodge Ram Utility) Total Lopez	Diesel	813	70.1	11.6
D442 (Ford F250 4 Dr Dump Tota OMF	E-10	3286	546.1	6.0
D443 (Ford F250 4 Dr Dump Tota OMF	E-10	1454	1136.4	1.3
D444 (Ford F250 4 Dr Dump Tota OMF	E-10	4153	616.2	6.7
D445 Ford F250 Ext Cab) Total OMF	E-10	8124	667.0	12.2
D644 (F250 Utility) Total MB (Plumber)	E-10	3822	359.3	10.6
D647 CHEV S-10 00 Total OMF	E-10	2674	341.0	7.8
D648 FORD F350 CREWCAB Tota OMF	E-10	8223	834.4	9.9
D649 DODGE DURANGO O1 Tota SHERIFF	E-10	1960	148.5	13.2
D650 FORD EXPLORER 00 Total K-9 UNIT	E-10	7185	389.2	18.5
D810 FORD VAN Total OCU	E-10	-6367	420.0	-15.2
D811 FREIGHTLINER DUMP Tota OMF	Diesel	-50134	285.3	-175.7
D838 FORD F250 DUMP Total OMF		3566	435.6	8.2
D839 FORD F250 DUMP Total OMF	E-10	6795	686.5	9.9
D866 FORD UTILITY W/LIFT Tot OMF	Diesel	240	57.6	4.2
D869 FORD F150 Total OMF	E-10	2952	256.4	11.5
D925 DODGE DAKOTA Total ORC	E-10	27747	3422.2	8.1
D926 CHEV BLAZER Total OSM/K9	E-10	7260	665.3	10.9
D994 DODGE RAM 3500 Total (ELECTRICIANS)	Diesel	12666	1025.6	12.3
D995 DODGE RAM 3500 Total (ELECTRICIANS)	Diesel	7022	574.2	12.2
E144 CHEV SILVERADO Total OMF	E-10	3393	468.4	7.2
E146 JEEP LIBERTY Total OSM/K9	E-10	14137	719.7	19.6
E148 CHEV BLAZER Total OSM/K9	E-10	9411	664.2	14.2
E149 JEEP LIBERTY Total OSM/K9	E-10	15755	830.2	19.0
E150 FORD UTILITY W/LIFT Tot (ELECTRICIANS)	E-10	287	53.8	5.3

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HARBORS DIVISION ACT 96 Vehicle Baseline Data FY 2011 (July 2010 - June 2011)	
Н⊿ АСТ 96 FY 2011	

LIC. NO.	DESCRIPTION	NIX	YR	Class	Island	Vehicle Acquisition Cost (\$)	EPA Rated Fuel Economy (MPG) (city/hwy)	Type of Fuel	Milage (Miles)	Fuel Consump tion (GAL)	Actual Fuel Economy (MPG)
SH 4070	P/U TRUCK CHEV FLEETSIDE	1GCCS14R9J2175844	88	Truck ( 0 - 10,000 GVW)	HAWAII	\$10,094	no listing	unleaded	0	0.00	o/s
SH 4078	SH 4078 P/U TRUCK 92 FORD F-150	2FTDF15N1NCA39867	92	Truck ( 0 - 10,000 GVW)	HAWAII	\$15,556	no listing	unleaded	500	102.66	4.87
SH 6901	P/U CHEV FLATBED	1GBG6H1P9RJ104067	94	Truck (20,000 - 45,000 GVW)	HAWAII	\$30,871	no listing	unleaded	0	0.00	unused
SH 7027	P/U TRUCK CHEV	1GCDC14H6RZ207273	94	Truck ( 0 - 10,000 GVW)	HAWAII	\$13,595	no listing	unleaded	0	0.00	0/S
SH 9716	SUV ISUZU MPVH	4S2DM58W0Y4331777	00	Truck ( 0 - 10,000 GVW)	HAWAII	\$22,362	17/22	unleaded	15,671	774.63	20.23
SH A865	P/U TRUCK 250 FORD F-250	1FTNW21L73ED60351	03	Truck ( 0 - 10,000 GVW)	HAWAII	\$24,673	15/19	unleaded	5,776	463.54	12.46
SH B632	SUV FORD ESCAPE	1FMYU93135KC92881	05	Truck (0 - 10,000 GVW)	HAWAII	\$26,924	21/25	unleaded	4,375	256.60	17.05
SH C815	PRERUNNER TOYOTA	5TEJU62NX7Z408584	70	Truck ( 0 - 10,000 GVW)	HAWAII	\$25,099	16/20	unleaded	7,958	396.08	20.09
SH C893	SH C893 P/U DODGE DAKOTA	1D7HE22K67S152786	07	Truck ( 0 - 10,000 GVW)	HAWAII	\$18,726	18/23	unleaded	8,817	504.15	17.49
SH D655	SUV FORD ESCAPE	1FMCU93G09KA28943	60	Truck ( 0 - 10,000 GVW)	HAWAII	\$24,814	21/25	unleaded	2,807	263.06	10.67
A830	FORD P/U TRUCK	1FTYR10U41PA92546	01	Truck ( 0 -10,000 GVW)	KAUAI	\$15,375	21	lnu	1,412.00	89.70	15.74
C901	TOYOTA HIGHLANDER H.BRID	JTEGW21A470015	07	SUV (0 - 10,000 GVW)	KAUAI	\$35,989	32	unl/Hybrid	4,115.00	155.00	26.55
CZ94	TUYUIA LACOMA P/UP	51ENX22N66Z	90	Truck (0 -10,000 GVW)	KAUAI	\$17,682	19	un ov	2,481.00	159.80	15.53
SH 7094	TRUCK CHEV STALESIDE	16CCS1972R8199520	94 94	Truck (0 - 10,000 GVW)	KAUAI	\$16.249	61	GAS	No Londer in use	156	0.32
SH 8084	SUV CHEV BLAZER	1GNCS13W1S2243585	95	Truck (0 - 10,000 GVW)	KAUAI	\$22,769		GAS	No Longer in use	use	
SH 9245		1GBHC34R7XF016843	66	Truck (0 - 10,000 GVW)	KAUAI	\$26,680		GAS	1,418.00	229.20	6.19
SH 9261	SUV CHEV BLAZER P/LJ TRUJCK CHEV	1GBGC24R1CF015029	66 6	Truck ( 0 - 10,000 GVW) Truck ( 0 - 10,000 GVW)	KAUAI	\$27,350	14	GAS	3,130.00 4,677.00	331.30 464.70	9.47 10.06
SH 9671	TRUCK CHEV	1GBGC24R2XF067253	66	Truck (0 - 10,000 GVW)	KAUAI	\$26,817	14	GAS	3,113.00	249.80	12.46
SH 9902	P/U TRUCK FORD	1FTYR10U41PA92546	01	Truck (0 - 10,000 GVW)	KAUAI	\$15,375	21	GAS	5,840.00	435.50	13.41
SH 4007	P/U TRUCK FORD	1FTEX15H8NKB27063	92	Truck ( 0 - 10,000 GVW)	MAUI	\$19,621	12/17	Gas	1,058.00	185.09	5.72
SH 4261	SH 4261 INTL STAKE	1HTLBD4K2EHA61438	84	Truck (10,000 - 20,000 GVW)	MAUI	\$20,661	N/A	diesel	685.00	220.07	3.11
SH 4265	SH 4265 P/U FORD	1FTEF15YXGPA10688	86	Truck ( 0 - 10,000 GVW)	MAUI	\$9,550	18/24	Gas	ı	0.00	o/s
SH 4267	P/U TRUCK GMC SONOMA	1GTCT19Z9M8509359	91	Truck ( 0 - 10,000 GVW)	MAUI	\$17,405	18/24	Gas	1,206.00	130.70	9.23
SH 7090	SDN OLDS CUTLASS CRUISER	1G3AJ85M3R6428263	95	Sedan, Coupe, Station wagon, SUV	MAUI	\$14,765	19/29	Gas	2,750.00	130.18	21.12
SH 7596	TRUCK GMC	1GTFC24Z0SZ511129	95	Truck (0 - 10,000 GVW)	MAUI	\$20,182	16/21	Gas	3,717.00	402.00	9.25
SH 7597	TRUCK GMC	1GTEC14Z3SZ511132	95	Truck ( 0 - 10,000 GVW)	MAUI	\$15,954	16/21	Gas	5,759.00	437.80	13.15
SH 8408	P/U CHEV	1GCCS14XXVK115298	97	Truck ( 0 - 10,000 GVW)	MAUI	\$15,625	17/23	Gas	843.00	147.24	5.73
SH 8954	SUV CHEV BLAZER	1GNCS13W8W2228684	98	Truck ( 0 - 10,000 GVW)	MAUI	\$31,100	16/20	Gas	2,101.00	492.27	4.27
SH C447	P/U FORD	1FTSF20P77EA42016	07	Truck ( 0 - 10,000 GVW)	MAUI	\$26,940	N/A	diesel	1,776.00	228.32	7.78
SH C611	P/U FORD	1FTSF20P47EA67844	07	Truck ( 0 - 10,000 GVW)	MAUI	\$37,239	N/A	diesel	1,686.00	228.43	7.38
SH 4004	SDN FORD TAURUS	1FACP57U5PA115878	93	Sedan, Coupe, Station wagon, SUV	OAHU	\$18,148	19/27	unleaded	148.5	25.1	5.92
SH 4005	SDN FORD TAURUS	1FACP57U7PA115879	93	Sedan, Coupe, Station wagon, SUV	OAHU	\$18,148	19/27	unleaded	568.8	54.6	10.42
SH 4055	VAN CHEV	1GCGG35K4N7101482	92	Van (passenger, cargo)	OAHU	\$23,799	14/18	unleaded	1301.0	209.9	6.20
SH 4239	P/U GMC	1GTDC14N0GF706090	86	Truck ( 0 - 10,000 GVW)	OAHU	\$9,006	no listing	unleaded	509.0	49.4	10.30
SH 4244	4244 P/U CHEV	1GBGC24M4EJ146308	84	Truck ( 0 - 10,000 GVW)	OAHU	\$12,785	no listing	unleaded	unleaded vehicle was disposed of	sposed of	

LIC. NO.	DESCRIPTION	N	YR	Class	Island	Vehicle Acquisition Cost (\$)	EPA Rated Fuel Economy (MPG) (city/hwy)	Type of Fuel	Milage (Miles)	Fuel Consump tion (GAL)	Actual Fuel Economy (MPG)
SH 4246	P/U TRUCK 91 GMC	1GDGR33KXMF701050	91	Truck ( 0 - 10,000 GVW)	OAHU	\$21,443	15/19	unleaded	267.0	35.9	7.44
SH 4253	P/U CHEV	1GBGC24M8EJ146277	84	Truck ( 0 - 10,000 GVW)	OAHU	\$12,785	no listing	unleaded	vehicle was disposed	sposed of	
SH 4254	P/U CHEV	1GBGC24MXEJ146300	84	Truck ( 0 - 10,000 GVW)	OAHU	\$12,785	no listing	unleaded	vehicle was disposed	sposed of	
SH 4262	TRUCK INT'L FTBD	1HTSHNHROMH354189	91	Truck (over 45,000 GVW)	OAHU	\$62,857	no listing	diesel	n/a	n/a	n/a
SH 4269	SH 4269 P/U DODGE D250	1B6KD2455HS446454	87	Truck ( 0 - 10,000 GVW)	OAHU	\$16,026	11/13	unleaded	1089.0	94.9	11.50
SH 4270	SH 4270 TRUCK GMC TC 10703	1GTDC14ZXLZ544867	06	Truck ( 0 - 10,000 GVW)	OHHO	\$13,724	18/21	unleaded	n/a	37.2	n/a
SH 4325	SH 4325 TRUCK AERIAL LADDER INTL	1HTAA17B2BHB25932	81	Truck (20,000 - 45,000 GVW)	OHHO	\$36,381	no listing	unleaded	n/a	n/a	n/a
SH 4326	TRUCK FORD F600 W/LIFT	1FDMF60KXLVA39248	90	Truck (10,000 - 20,000 GVW)	OAHU	\$47,618	11/15	unleaded	n/a	20.0	n/a
SH 4330	P/U GMC FLATBED	1GDJ7D1F8GV505206	86	Truck (10,000 - 20,000 GVW)	OHHO	\$28,576	no listing	diesel	vehicle was idle	e	
SH 4331	TRUCK INT'L 4900 W/BM & JIB	1HTSDZ3R9LH280523	90	Truck (20,000 - 45,000 GVW)	OAHU	\$95,229	no listing	diesel	vehicle was idle	е	
SH 5483	TRUCK INTL AERIAL LIFT	1HTAA19580HAZ1017	82	Truck (20,000 - 45,000 GVW)	OAHU	\$97,017	no listing	diesel	vehicle was ide	0	
SH 5485	TRUCK FLATBED GMC	1GDGR33K9MF701055	91	Truck ( 0 - 10,000 GVW)	OAHU	\$21,443	15/19	unleaded	4035.0	462.2	8.73
SH 6822	TRUCK CHEV FLTSIDE	1GCFC24HXRE121390	94	Truck ( 0 - 10,000 GVW)	OAHU	\$16,838	14/19	unleaded	3482.6	408.2	8.53
SH 6823	SH 6823 VAN CHEV	1GCDG15H0RF115936	94	Truck ( 0 - 10,000 GVW)	OAHU	\$13,687	14/19	unleaded	3089.9	270.9	11.41
SH 7031	VAN CHEV ASTRO	1GNDM15Z9JB193006	88	Van (passenger, cargo)	OAHU	\$5,900	17/22	unleaded	157.1	15.8	9.94
SH 7244	TRUCK CHEV CAB	1GBGC24K9RE303358	94	Truck ( 0 - 10,000 GVW)	OAHU	\$18,192	13/17	unleaded	617.0	76.0	8.12
SH 7245	TRUCK CHEV CAB	1GBGC24K5RE306404	94	Truck ( 0 - 10,000 GVW)	OAHU	\$18,192	13/17	unleaded	3521.0	383.2	9.19
SH 7246	TRUCK CHEV CAB	1GBGC24K5RE304040	94	Truck ( 0 - 10,000 GVW)	OAHU	\$18,192	13/17	unleaded	2086.4	232.1	8.99
SH 8249	P/U CHEV	1GBHC33R6TF004193	96	Truck ( 0 - 10,000 GVW)	OAHU	\$25,187	15/19	unleaded	4047.0	528.2	7.66
SH 9328	INT'L MSTR KOMATSU PAY LDR 1HTSCABL4XH683803	1HTSCABL4XH683803	66	Truck (20,000 - 45,000 GVW)	OAHU	\$69,695	no listing	diesel	93.0	23.5	3.96
SH 9419	SDN CHEV CORSICA	1G1LD55M9SY273574	95	Sedan, Coupe, Station wagon, SUV	OAHU	\$6,300	21/29	unleaded	used by OCG		
SH 9420	SDN CHEV CORSICA	1G1LD55M3SY267785	95	Sedan, Coupe, Station wagon, SUV	OAHU	\$6,300	21/29	unleaded	n/a	1.4	n/a
SH 9421	SDN CHEV CORSICA	1G1LD55M2SY272900	95	Sedan, Coupe, Station wagon, SUV	OAHU	\$6,300	21/29	unleaded	n/a	12.5	n/a
SH 9650	P/UP CHEV	1GBHC33J6XF003240	66	Truck ( 0 - 10,000 GVW)	OAHU	\$36,145	12/16	unleaded	4330.0	599.8	7.22
SH 9739	TRUCK PETERBILT	1NPGN08X2Y0527575	00	Truck (20,000 - 45,000 GVW)	OAHU	\$81,932	no listing	diesel	1016.0	142.7	7.12
SH 9899	VAN CARGO CHEV	1GCHG39F911133293	01	Van (passenger, cargo)	OAHU	\$56,655	no listing	diesel	300.0	38.6	7.77
SH D103	TRUCK CHEV	1GCFC24K5PE221052	93	Truck ( 0 - 10,000 GVW)	OAHU	\$15,450	15/20	unleaded	580.3	74.7	7.77
SH D272	SH D272 TRUCK FORD	2FTPF17Z63CA80280	03	Truck ( 0 - 10,000 GVW)	OAHU	\$8,000	11/15	unleaded	2968.0	307	9.67
SH D273	SH D273 TRUCK FORD	2FTPF17Z73CA80286	03	Truck ( 0 - 10,000 GVW)	OAHU	\$8,000	11/15	unleaded	1189.0	120.7	9.85

HARBORS DIVISION ACT 96 Vehicle Baseline Data FY 2011 (July 2010 - June 2011)

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						ACQUISIT	ION
EQUIPM	IENT	DESCRIPTION	SERIAL NUMBER	GVW	FUEL	COST	DATE
91812	384	89 VAN GMC RALLYSTX	1GKDG15H3K7515445	0		.00	
91812		91 VAN CHEV ASTRO	1GNDM19Z6MB212142	0		.00	
91812		92 TRUCK: CHEV SUBURBAN 4 WD W/AIR	1GNGK26KXNJ334168	0			
91812		94 VAN GMC SAFARI	1GKDM15Z1RB542846	0		21,875.07	
91812		05 FORD VAN	1GRDM1521RB542848 1FMNE31P65HA02084	0		15,072.96	
	019		IFMMESIPOSHA02064	U		.00 FUEL TYPE TOTAL	
96812		86 TRUCK CHEV 1/2 TON PICKUP		0	GASOLINE	.00	
96812	175	86 TRUCK CHEV 1/2 TON PICKUP		0	GASOLINE	.00	
96812		86 SEDAN CHEV CELEBRITY		0	GASOLINE	.00	
96812		86 TRUCK FORD 1/2 TON PICKUP		0	GASOLINE	.00	
96812		86 TRUCK FORD 1/2 TON PICKUP		0	GASOLINE	.00	
96812	179	86 TRUCK FORD 1/2 TON PICKUP		0	GASOLINE	.00	
96812		87 TRUCK CHEV 1/2 TON PICKUP		0	GASOLINE	.00	
96812	181	87 TRUCK CHEV 1/2 TON PICKUP		0	GASOLINE	.00	
96812	182	87 TRUCK FORD 1/2 TON PICKUP F150		0	GASOLINE	.00	
96812	183	87 TRUCK FORD PU F150	1FTDF15Y7HPA84843	0	GASOLINE	10,617.67	
96812	184	88 SEDAN FORD TAURUS 4 DOOR		0	GASOLINE	.00	
96812	185	88 TRUCK CUSHMAN UTILITY		0	GASOLINE	.00	
96812	186	86 TRUCK CHEV CREW CAB PICKUP		0	GASOLINE	.00	
96812	187	88 TRUCK CHEV CREW CAB PICKUP		0	GASOLINE	.00	
96812	189	88 TRUCK CHEV CREW CAB PICKUP		0	GASOLINE	.00	
96812	190	88 TRUCK CHEV CREW CAB PICKUP		0	GASOLINE	.00	
96812	191	88 TRUCK CHEV CREW CAB PICKUP		õ	GASOLINE	.00	
96812	192	89 TRUCK CHEV PICKUP		o	GASOLINE	.00	
96812	193	89 WAGON CHEV BLAZER S-10		õ	GASOLINE	.00	
96812	194	89 WAGON CHEV BLAZER S-10		õ	GASOLINE	.00	
96812	195	89 TRUCK CHEV PICKUP		õ	GASOLINE	.00	
96812	196	89 TRUCK CHEV CREW CAB PICKUP		õ	GASOLINE	.00	
96812	197	89 TRUCK CHEV CREW CAB		ő	GASOLINE	.00	
96812	201	90 WAGON CHEV BLAZER		ő	GASOLINE	.00	
96812		91 TRUCK CHEV PICKUP		o	GASOLINE	.00	
96812		91 TRUCK CHEV PICKUP		0		.00	
96812		90 TRUCK CUSHMAN UTILITY		0	GASOLINE GASOLINE		
96812		91 TRUCK FORD PICKUP				.00	
96812		91 TRUCK FORD FICKUP		0	GASOLINE	.00	
96812		91 TRUCK FORD FICKUP		0	GASOLINE	.00	
96812		91 TRUCK FORD FICKUP		0	GASOLINE	.00	
96812		91 TRUCK FORD PICKUP		0	GASOLINE	.00	
96812				0	GASOLINE	.00	
96812		91 TRUCK FORD PICKUP		0	GASOLINE	.00	
-		91 WAGON CHEV BLAZER		0	GASOLINE	.00	
96812		92 SEDAN FORD TAURUS 4 DOOR		0	GASOLINE	.00	
96812	-	92 TRUCK FORD RANGER PICKUP		0	GASOLINE	.00	
96812		92 WAGON CHEV BLAZER S-10		0	GASOLINE	.00	
96812		93 TRUCK CUSHMAN UTILITY 3-WHEEL		0	GASOLINE	.00	
96812		93 TRUCK CUSHMAN UTILITY 3-WHEEL		0	GASOLINE	.00	
96812		94 SEDAN PONITAC GRAND PRIX		0	GASOLINE	.00	
96812		94 WAGON CHEV STATION SURBURBAN 3/4 TON 4X4		0	GASOLINE	.00	
96812	233	95 TRUCK FORD PICKUP F150	2FTEF25N9SCA29958	0	GASOLINE	.00	
96812	234	95 TRUCK FORD PICKUP F150	2FTEF15N0SCA29959	0	GASOLINE	.00	
96812	235	95 TRUCK FORD PICKUP F150	2FTEF15N7SCA29960	0	GASOLINE	.00	

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EQUIP	MENT	ESCRIPTION GVW FUEL SERIAL NUMBER GVW FUEL	COST DATE
96812	236	5 TRUCK FORD PICKUP F150 2FTEF15N9SCA29961 0 GASOLINE	.00
96812	237	5 TRUCK FORD PICKUP F150 2FTEF15N0SCA29962 0 GASOLINE	.00
96812	238	5 WAGON JEEP SPORT UTILITY 1J4FT27S9SL642619 0 GASOLINE 17,58	
96812	239	5 WAGON JEEP SPORT UTILITY 1J4FT27S5SL642620 0 GASOLINE 17,28	
96812	240	5 TRUCK CHEV PICKUP 3/4 T IGCFC24H8SZ199570 0 GASOLINE 21,96	
96812	241	5 TRUCK CHEV 3/4 T PICKUP 1GCFC24H3SZ199573 0 GASOLINE 21,96	
96812	242	1 VAN CHEV (FROM MVSO-OAHU 9181410) 1G8EG25N3F7167870 0 GASOLINE	.00
96812	243	7 SEDAN CHEV CAVALIER 3G1JC5248VS850735 0 GASOLINE	.00
96812	255	3 TRUCK FORD F350 PU CREW CAB 2FTJW36H5PCB01555 0 GASOLINE 12,72	25.35
96812	256	3 TRUCK FORD PU CREW CAB 2FTJW36H9PCB01557 0 GASOLINE 12,72	
96812	257	B TRUCK CHEV PICKUPS10 4X2 EXTENDED CAB 1GCCS19X7WK242357 0 GASOLINE 18,10	
96812	258	3 TRUCK CHEV PICKUP S10 4X2 EXTENDED CAB 1GCCS19X8WK241430 0 GASOLINE 18,10	
96812	259	3 TRUCK CHEV PICKUP S10 4X2 EXTENDED CAB 1GCCS19XXWK241364 0 GASOLINE 18,10	
96812	260	3 TRUCK CHEV PICKUP S10 4X2 EXTENDED CAB 1GCCS19X4WK242171 0 GASOLINE 18,10	
96812	261	9 TRUCK CHEV 1/2 T PICKUP 1GCEC14VXXZ100931 0 GASOLINE	.00
96812	262	TRUCK CHEV 1/2 T PICKUP 1GCEC14V9XZ100130 0 GASOLINE	.00
96812	263	TRUCK CHEV 1/2 T PICKUP 1GCEC14V4XZ100181 0 GASOLINE	.00
96812	264	TRUCK CHEV 1/2 T PICKUP 1GCEC14V4XZ100505 0 GASOLINE	.00
96812	267	WAGON SPORTS UTILITY JEE CHEROKEE 1J4FT28X2XL578123 0 GASOLINE 23,74	
96812	268	9 TRUCK CHEV PU EXT CAB S-10 1GCCS19X7X8174706 0 GASOLINE	.00
96812	269	TRUCK CHEV PU EXT CAB S-10 1GCDT19X5X8175600 0 GASOLINE	.00
96812	270	TRUCK PICKUP GMC EXT CAB 4 X4 1GTDT19W4Y8267130 0 GASOLINE	.00
96812	271	TRUCK PICKUP GMC FULL SIZE 2 X 4 1/2 TON 1GTEC14V2YZ323322 0 GASOLINE	.00
96812	272	TRUCK PICKUP SILVERADO 1500 1GCEV14V7YZ293539 0 GASOLINE	.00
96812	274	L TRUCKSTER CUSHMAN HAULSTER 1CHMH327XYL003003 0 GASOLINE 25,26	
96812	275	L SEDAN FORD FOCUS 4 DR. 1FAFF33P11W270665 0 GASOLINE	.00
96812	276	L CUSHMAN 3 WHEEL TRUCKSTER LM2056 0 GASOLINE	.00
96812	277	L CUSHMAN 3 WHEEL TRUCKSTER LM2057 0 GASOLINE	.00
96812	278	L CUSHMAN 3 WHEEL TRUCKSTER LM2058 0 GASOLINE	.00
96812	279	L TRUCK CHEV PU EXT CAB 1GCCS19W018212629 0 GASOLINE 20,67	
96812	280	L WAGON STATION CHEV BLAZER 4 X 4 IGNDT13W41K225114 0 GASOLINE 27,94	
96812	281	WAGON STATION CHEV BLAZER 4 X 4 IGNDT13W61K228421 0 GASOLINE 24,94	
96812	282	L TRUCK FORD PICKUP RANGER 1FTZR15E41PB43081 0 GASOLINE	.00
96812	284	2 TRUCK PU FORD F-150XL SUPER CAB 4X2 1FTRX17W52NE19106 0 GASOLINE 23,68	
96812	285		
96812	286	2 WAGON STATION FORD EXCURSION XLT 4 X 4 1FMSU41F92EC53990 0 GASOLINE 38,77 2 TRUCK PICKUP FORD RANGER SCXL 4 X 4 1FTYR45E72PB00479 0 GASOLINE 21,15	
96812	287	2 SEDAN CHEVROLET MALIBU 4 DR. 1G1ND52J12M723017 0 GASOLINE 16,78	
96812	288		
96812	289		
96812	290		
96812		2 2003 TRUCKSTER CUSHMAN LM20777 O GASOLINE 29,97 3 2003 TRUCKSTER CUSHMAN LM20776 O GASOLINE 29,97	
96812		· · · · · · · · · · · · · · · · · · ·	
96812			.00
96812			
96812	296		
96812			
96812	300		
96812			
96812	302		
96812	302		
96812			
90012	304	2007 FORD F150 PICKUP TRUCK 1FTRF12V37KD42206 0 GASOLINE 28,00	8.02

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EQUIPM	IENT	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	-	DATE
96812	305	07 2007 FORD F150 PICKUP TRUCK	1 20221 2017204 2205	0	GASOLINE	20.000.00	
96812	306	07 2007 FORD F150 PICKUP TRUCK	1FTRF12V17KD42205 1FTRT12V77KD42208	0	GASOLINE	28,008.02	
96822		80 TRUCK INTERNATIONAL FLATBED W/HYDR BOOM	11 IK112V//KD42208	0	GASOLINE	26,099.70	
96822		83 TRUCK INTERNATIONAL DIMP 7 CV		0		.00	
96822		83 TRUCK INTERNATIONAL DUMP 7 CY 83 TRUCK CHEV DUMP 2 1/2 CY 86 TRUCK FORD DUMP 2 1/2 CY 86 TRUCK FORD DUMP 2 1/2 CY		. 0	GASOL INE	.00	
96822	148	86 TRUCK FORD DIMP 2 1/2 CV		0	GASOLINE	.00	
96822		86 TRUCK FORD STAKE		-	GASOLINE	.00	
96822		87 TRUCK FORD STAKE W/CANOPY F600		0	GASOLINE	- 00	
96822		87 TRUCK FORD STAKE W/LIFTGATE F700		-	GASOLINE	.00	
96822		89 TRUCK FORD DUMP 2 1/2 CY		0	GASOLINE	.00	
96822		89 TRUCK FORD DUMP 2 1/2 CY		0	GASOLINE	.00	
96822		89 TRUCK FORD DUMP 2 1/2 CY 89 TRUCK FORD DUMP 2 1/2 CY		0	GASOLINE	.00	
96822		93 TRUCK GMC STAKE BODY		0	GASOLINE	.00	
96832	-	53 TRAILER UTILITY 1/2 TON	1GDJ6H1P7R3505971		GASOLINE	.00	
96832				0	GASOLINE	.00	
96832		80 TRAILER AIRCO 200 AMP WELDER		0	GASOLINE	.00	
96832		07 TRAILKING DETACHABLE GOOSENECK TRAILER		0	GASOLINE	68,645.00	
		45 GENERATOR ONAN 5KW W/FLD LIGHTS TLR MTD.		0	GASOLINE	.00	
96842		59 GENERATOR ONAN 5KW TRAILER MTD.		0	GASOLINE	.00	
96842		75 GENERATOR KOHLER 3KW TRAILER MTD.		0	GASOLINE	.00	
96842		91 REMOVER MACHINE TRAFFIC PAVEMENT	1245	0	GASOLINE	5,645.12	
96842		92 MOWER CUB CADET LAWN		0	GASOLINE	.00	
96842		98 TRACTOR LAWN NEW HOLLAND LS55YT		0	GASOLINE	4,904.14	
96842		01 STRIPING MACHINE KELLY-CRESWELL B421	8257	0	GASOLINE	21,040.32	
96852	120	79 SWEEPER WAYNE POWERED		0	GASOLINE	.00	
96862	107	86 SPRAYER GE 200 HP 200 GALLON	•	0	GASOLINE	.00	
96862	108	90 SPRAYER J. BEAN CHEMICAL 200 GALLON		0	GASOLINE	.00	
96862	111	96 SPRAYER FMC TRAILER MOUNTED	JB00403NA	0	GASOLINE	11,173.64	
96862	112	98 SPRAYER, JOHN BEAN W/SPECTRUM TRAILER		0	GASOLINE	11,885.99	
96862	113	98 SPRAYER JOHN BEAN W/SPECTRUM TRAILER	JB01531NI	0	GASOLINE	11,886.00	
96862	114	98 SPRAYER SDI CHEMICAL 300 GAL TRAILER MTD		ō	GASOLINE	8,710.88	
96862	115	98 SPRAYER SDI CHEMICAL 300 GAL TRAILER MTD		0 -	GASOLINE	8,710.88	
96862	116	02 CONTROL SPEED TRAILER MOUNTED	40XK111S12A020002	0	GASOLINE	11,999.00	
96862	117	02 CONTROL SPEED TRAILER MOUNTED	40XK111S42A020009	0	GASOLINE	11,999.00	
96862		03 SPRAYER JOHN BEAN	JX00159	0	GASOLINE		
96862	119	03 SPRAYER JOHN BEAN	JX00156	0	GASOLINE	.00	
96862		05 EDCO TRAFFIC LINE REMOVER	TLR-7-11H	0		.00	
96862		07 MCGREGOR 300 GAL. SPRAYER	RS300734	0	GASOLINE	17,849.89	
		The Mediadek Sto GAB. SPRATER	K5300734	U	GASOLINE	22,360.00	
						FUEL TYPE TOTAL	
91812	623	03 FORD UTILITY TRUCK	43ED13426	0	DIESEL	.00	
96812	220	92 TRUCK FORD CREW CAB W/DUMP		0	DIESEL	.00	
96812	221	92 TRUCK FORD CREW CAB W/DUMP		õ	DIESEL	.00	
96812	222	92 TRUCK FORD CREW CAB W/DUMP		0	DIESEL	.00	
96812	223	92 TRUCK FORD CREW CAB W/DUMP		0	DIESEL	.00	
96812		92 TRUCK FORD CREW CAB W/DUM		0	DIESEL	.00	
96812		93 TRUCK FORD PICKUP F-153		0	—		
96812		93 TRUCK CHEV CREW CAB W/DUMP		0	DIESEL	.00	
96812		94 TRUCK FORD PICKUP F-350		-	DIESEL	.00	
96812			1 0000000000000000000000000000000000000	0	DIESEL	.00	
96812			1GBHC33F3VE024894	0	DIESEL	.00	
96812		97 TRUCK CHEV CREW CAB/CHAS 1 TON	1GBHC33F8VF025314	0	DIESEL	.00	
20012	240	97 TRUCK CHEV CREW CAB/CHAS 1 TON	1GBHC33F3VF025009	0	DIESEL	.00	

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EQUIPM	IENT	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
96812	247	97 TRUCK CHEV CREW CAB/CHAS 1 TON	1GBHC33F6VF025103	0	DIESEL	.00	
96812	248	97 TRUCK CHEV CREW CAB/CHAS 1 TON	1GBHC33F9VF025371	0	DIESEL	.00	
96812	249	97 TRUCK CHEV CREW CAB/CHAS 1 TON	1GBHC33F8VF024793	0	DIESEL	.00	
96812	250	97 TRUCK CHEV CREW CAB/CHAS 1 TON	1GBHC33F3VF025446	0	DIESEL	.00	
96812	251	97 TRUCK CHEV CHASSIS CAB	1GBHC33F2VF027057	0	DIESEL	.00	
96812	253	83 STATION WAGON CHEV BLAZER 4 X 4	1G8ED18J6EF119408	0	DIESEL	1,600.00	
96812	254	83 STATION WAGON CHEV BLAZER 4 X 4	1G8ED18J9EF115868	0	DIESEL	1,600.00	
96812	265	99 TRUCK CHEV UTILITY ONE TON (SURVEY CREW)		ō	DIESEL	32,810.40	
96812	266	98 TRUCK CHEV 3500 UTILITY BODY ONE TON	1GBHK34F6WE236441	0	DIESEL	.00	
96812	273	00 VAN GMC TRUCK	1GKHG35F1Y1275724	0	DIESEL	.00	
96812	283	01 TRUCK FORD CREW CAB F350	1FDWW32F91EC41468	0	DIESEL	.00	
96812	293	03 FORD MPVH	1FMSU41P23ED13425	7,650	DIESEL	.00	
96812	297	04 FORD F-250 PICK UP UTILITY BODY	1FDNF20P64EE09802	0	DIESEL	32,843.38	
96812	298	04 FORD F-250 PICK-UP UTILITY BODY	1FDNF20P44EE09801	0	DIESEL	32,843.39	
96822	115	69 TRUCK INTERNATIONAL TANK	7179116346297	0	DIESEL	15,460.98	
96822	143	84 TRUCK GMC DUMP 7 CY		ő	DIESEL	.00	
96822	144	84 TRUCK GMC DUMP 7 CY		0	DIESEL	.00	
96822	145	84 TRUCK GMC DUMP 7 CY		0	DIESEL	.00	
96822	146	84 TRUCK GMC DUMP 7 CY		0	DIESEL	.00	
96822	147	84 TRUCK INTERNATIONAL TRACTOR		0 0	DIESEL	.00	
96822	150	86 TRUCK FORD TANKER W/HERBICIDE		ő	DIESEL	.00	
96822	159	90 TRUCK KENWORTH TRACTOR	1XKWD20X8LS543858	ő	DIESEL	.00	
96822	160	90 TRUCK FORD AERIAL LIFT		0	DIESEL	.00	
96822	161	91 TRUCK INTERNATIONAL WATER TANK		ő	DIESEL	.00	
96822	162	91 TRUCK INTERNATIONAL W/SEWER-HYDRO JET VA		0	DIESEL	.00	
96822	163	91 TRUCK FORD DUMP 2 TON		0	DIESEL	.00	
96822	164	91 TRUCK FORD DUMP 2 TON		0	DIESEL	.00	
96822	165	92 TRUCK INTERNATIONAL ASPHALT DIST.1000GAL		0	DIESEL	.00	
96822	166	93 TRUCK INTERNATIONAL TANK 2000 GALLON		0	DIESEL	.00	
96822	167	93 TRUCK CHEV DUMP 7 CY	1GBP7H1J3RJ103960	0	DIESEL	.00	
96822	168	93 TRUCK CHEV DUMP 7 CY	1GBP7H1J4RJ104079	0	DIESEL	.00	
96822	169	93 TRUCK CHEV DUMP 7 CY	1GBP7H1J2RJ103903	0	DIESEL	.00	
96822	170	93 TRUCK CHEV DUMP 7 CY	1GBP7H1J04J103916	0	DIESEL	.00	
96822	172	93 TRUCK CHEV DUMP 7 CY	1GBP7H1J3RJ704042	0	DIESEL	.00	
96822	173	93 TRUCK CHEV DUMP 7 CY	1GBP7H1J4RJ104017	0	DIESEL	.00	
96822		95 TRUCK INTERNATIONAL W/HYD. CRANE STAKEBD		0	DIESEL	.00	
96822	175	95 TRUCK FORD DUMP 7 CY F800	1FSYF80EOSVA10895	0	DIESEL	.00	
96822	176	95 TRUCK FORD DUMP 7 CY F800	1FDYF80E2SVA10895	0			
	180	95 TRUCK INTERNATIONAL DUMP 2 1/2 CY	1HTSCABM3SH658117	0	DIESEL DIESEL	.00	
96822	181	95 TANKER TRUCK 2000GAL GMC	182P7H1J512298	0		.00	
96822	182	95 TRUCK INTERNATIONAL W/HYD BOOM	182277H10512258 1HTSCABL7SH663117	0	DIESEL DIESEL	.00	
96822		97 TRUCK INT'L TANK 2000 GAL				.00	
96822	184	97 TRUCK DUMP INTERNATIONAL CAB CHASSIS 7CY	1HTSDADR3VH454265	0	DIESEL	.00	
	185	97 TRUCK DUMP INTERNATIONAL CAB CHASSIS 7CY		0	DIESEL	.00	
	186	97 TRUCK DUMP CAB & CHASSIS 2 1/2 CY INTL		0	DIESEL	.00	
96822	187	98 TRUCK TRACTOR INT'L	1HTSCAALXVH496340	0	DIESEL	.00	
96822	188	99 VAN CHEV CHASSIS W/BODY	2HSFBAET2WC042336	0	DIESEL	.00	
	189		1GBJG31F8X1022678	0	DIESEL	- 00	
		99 VAN CHEV CHASSIS W/BODY	1GBJG31F8X1014872	0	DIESEL	.00	
96822	190	99 TRUCK INT'L DUMP 7 CY CAB & CHASSIS	1HTSDADR3XH222784	35,000	DIESEL	76,919.22	
	191	99 TRUCK INT'L DUMP 7 CY CAB & CHASSIS	1HTSDADR5XH222785	35,000	DIESEL	76,919.22	
20022	176	01 TRUCK INTL STAKE BODY W/HYD. LIFT GATE	1HTSDAAR811333469	0	DIESEL	89,584.29	

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EQUIPM	IENT	DE	SCRIPTION	SERIAL NUMBER	GVW	FUEL	COST	DATE
96822	193	01	VAN FORD CUTAWAY F450	1FDXE45FX1HB19483	0	DIESEL	.00	
96822	195	02	TRUCK GMC CAB/CHASSIS W/AERIAL BUCKET	1GDP7H1C22J502244	0	DIESEL	195,218.25	
96822	196	03	TRUCK PETERBUILT ASPEN AERIAL BDY MDL320		Ō	DIESEL	.00	
96822	197		TRUCK INT'L DUMP 2 1/2 CU YD SBA 4 X 2	1HTMKAALX4H652483	0	DIESEL	69,676.86	
96822	198	04	TRUCK INT'L DUMP 2 1/2 CU YD SBA 4 X 2	1HTMKAAL84H652482	0	DIESEL	69,767.86	
96822	199	04	TRUCK INT'L DUMP 2 1/2 CU SBA 4 X 2	1HTMKAAL64H652481	0	DIESEL	69,676.86	
96822	200	05	TRUCK GMC TC 5500 C SERIES AND BOOM	1GDE5C1255F504746	19,500	DIESEL	105,090.72	
96822	201	05	FORD F-350 CREW CAB W/DUMP	1FDWW36P04EE09800	. 0	DIESEL	40,300.47	
96822	202	05	FORD F-350 CREW CAB W/DUMP	1FDWW36P84EE09799	0	DIESEL	39,258.81	
96822	203	05	FORD F-350 CREW CAB W/DUMP	1FDWW36P64EE09798	0	DIESEL	39,258.81	
96822	204	05	FORD F-350 CREW CAB W/DUMP	1FDWW36P44EE09797	0	DIESEL	39,258.81	
96822	205	06	PETERBILT W/2000 GALLON TANK	2NPLHZ8X16M632621	0	DIESEL	134,713.05	
96822	206	06	FORD F-350 CREW CAB W/DUMP BOX	1FDWW36P96EA03212	0	DIESEL	43,654.12	
96822	207	07	INTERNATIONAL 2 1/2 CY DUMP TRUCKS	1HTMKAAL47H447200	0	DIESEL	81,037.99	
96822	208	07	INTERNATIONAL 2 1/2 CY DUMP TRUCK	IHTMKAAL67H447201	0	DIESEL	81,037.99	
96822	209	07	INTERNATIONAL TRUCK TRACTOR	IHSXRAPT17J447216	0	DIESEL	130,237.60	
96822	210	02	PETERBILT FLATBED W/CRANE	UT1NPZLO0X13D714740	0	DIESEL	263,713.78	
96822	211	03	PETERBILT TRUCK W/CRANE & DUMP	UTINPZLO0X33D714741	0	DIESEL	283,464.08	
96822	212	07	2007 FORD 6-MAN CAB WITH DUMP	1FDWW36P77EA42916	0	DIESEL	48,679.27	
96822	213	07	2007 FORD 6-MAN CAB WITH DUMP	1FDWW36P37EA44582	0	DIESEL	48,679.27	
96822	214	07	PETERBILT TRUCK MODEL 384 WATER TANKER	2NPRHN8X08M758541	0	DIESEL	159,876.14	
96822	215		GMC TRUCK W/1000 GALLON BITUMINOUS TANK	IGDM7C1B98F403073	0	DIESEL	182,777.65	
96822	216	08	GMC TRUCK COMMERCIAL CUTAWAY VEHICLE	1GDE5V19X8F400556	0	DIESEL	81,707.20	
96832	101	44	TRAILER W/300 GAL BITUMULS TANK		0	DIESEL	.00	
96832	121	94	TRAILER MILLER WELDING GENERATOR		0	DIESEL	.00	
96832	123	96	TANK BITUMUL TRAILER MOUNTED	L250T-802	0	DIESEL	15,874.90	
96832	124	96	TANK BITUMUL TRAILER MOUNTED	L250T-801	0	DIESEL	.00	
96842	128	79	TRACTOR JOHN DEERE W/BROOM (USED)	317931	0	DIESEL	2,994.89	
96842	138	86	TRACTOR KUBOTA W/BOMFORD SIDE & REAR		0	DIESEL	.00	
96842	141	87	GENERATOR W/FLOOD LIGHTS		0	DIESEL	.00	
96842	142	87	GENERATOR W/FLOOD LIGHTS		0	DIESEL	.00	
96842	143	87	GENERATOR W/FLOOD LIGHTS		0	DIESEL	.00	
96842	144	87	TRACTOR KUBOTA W/FLAIL MOWER		0	DIESEL	.00	
96842	145		TRACTOR KUBOTA W/FLAIL MOWER		0	DIESEL	.00	
96842	146	87	TRACTOR JOHN DEERE 1250 W/SWEEPER		0	DIESEL	.00	
96842	147		TRACTOR JOHN DEERE 1650 W/SICKLEBAR		0	DIESEL	.00	
96842	149	88	TRACTOR KUBOTA MOWER		0	DIESEL	.00	
96842	150	88	TRACTOR KUBOTA MOWER		0	DIESEL	.00	
96842	151	88	TRACTOR KUBOTA MOWER		0	DIESEL	.00	
96842	152	88	WELDER MILLER 250 AMP TRL. MTD.	JJ404150	0	DIESEL	7,050.67	
96842	153	88	WELDER MILLER 250 AMP TRL. MTD.	JJ521325	0	DIESEL	7,768.89	
96842	155	89	TRACTOR CASE W/FLAIL MOWER		0	DIESEL	.00	
96842	156	89	TRACTOR KUBOTA W/BROOM		0	DIESEL	.00	
96842	157	90	TRACTOR FORD W/EXT. FLAIL MOWER		0	DIESEL	.00	
96842	158	90	TRACTOR FORD W/FLAIL MOWER		0	DIESEL	.00	
96842	159	90	TRACTOR KUBOTA W/BROOM		0	DIESEL	.00	
96842	161	90	TRACTOR CASE I.H.		0	DIESEL	.00	
96842	162	90	TRACTOR CASE MOWER I.H.		0	DIESEL	.00	
96842	163	90	TRACTOR CASE MOWER I.H.		0	DIESEL	.00	
96842	164	91	TRACTOR CASE W/FLAIL MOWER		ō	DIESEL	.00	
96842	165	91	TRACTOR CASE W/SWEEPER		0	DIESEL	.00	

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EQUIPN	IENT	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL		DATE
96842	169	93 TRACTOR KUBOTA W/EXT FLAIL MOWER	190029	0	DIESEL	36,745.97	
96842	172	94 TRACTOR JOHN DEERE 6200 W/FLAIL MOWER		0	DIESEL	.00	
96842	173	94 TRACTOR JOHN DEERE 6200 W/FLAIL MOWER		0	DIESEL	.00	
96842	174	94 TRACTOR JOHN DEERE 6200 W/FLAIL MOWER		0	DIESEL	.00	
96842	176	95 CASE TRACTOR W/ALAMO SUPER HVY FLAIL MOW	JJE0908218	0	DIESEL	51,723.09	
96842	180	96 TRACTOR KUBOTA 2WD	10897	0	DIESEL	.00	
96842	181	97 TRACTOR CASE IH MODEL 4230 W/EXT SR FLAI	JJE0924451	0	DIESEL	63,082.93	
96842	182	97 TRACTOR CASE IH MODEL 4230 W/SR FLAIL MO		0	DIESEL	63,082.93	
96842	184	98 GENERATOR TRAILER MTD. W/LIGHT TOWER	288844	ō	DIESEL	14,280.12	
96842	185	98 TRACTOR KUBOTA W/SWEEPER BROOM	30275	0	DIESEL	33,384.06	
96842	186	98 TRACTOR CASE IN W/EXT S/R MT.FLAIL MOWER		0	DIESEL	60,546.84	
96842	187	98 TRACTOR CASE IH W/EXT S/R MTD.FLAIL MOWE	JJE1007433	o	DIESEL	60,546.84	
96842	188	99 TRACTOR CASE UTILITY W/FRT MTD.ROT BROOM		0	DIESEL	.00	
96842	189	99 TRACTOR CASE UTILITY W/FRT MTD ROT BROOM		0	DIESEL	.00	
96842	190		10560	0	DIESEL	62,391.57	
96842	191	99 TRACTOR KUBOTA UT W/REAR/SIDE FLAIL MOWE	10563	0	DIESEL	62,391.57	
96842	192	99 TRACTOR KUBOTA UTILITY W/REAR MTD. FLAIL	40354	0	DIESEL	31,061.89	
96842	193	99 TRACTOR KUBOTA UTILITY W/REAR MTD. FLAIL		0	DIESEL	31,061.89	
96842	194	00 TRACTOR UTILITY KUBOTA W/BOMFORD MOWER	10714	0	DIESEL	69,891.92	
96842	196	01 THERMOPLASTIC STRIPING MACHINE W/TRAILER	1C9FP202X1B411022	0	DIESEL	.00	
96842	197	02 SWEEPER TENNANT 6550	6550-9022	0	DIESEL	45,833.04	
96842	198	93 SWEEPER, TENNANT VACUUM	3551650	0	DIESEL	1,600.00	
96842	199	95 SWEEPER NEW CLARKE AMERICAN LINCOLN	460302	0	DIESEL	500.00	
96842	200	02 SWEEPER CASE CX50 TRACTOR	JJE1020831	0	DIESEL	.00	
96842	201	03 WELDER MILLER TRAILER MOUNTED	LC019450	0	DIESEL	17,799.19	
96842	202	03 WELDER MILLER TRAILER MOUNTED	LC019441	0	DIESEL	17,799.18	
96842	203	03 TRACTOR UTILITY NWHOLLAND W/S/R MTD	200553B	0	DIESEL	72,916.20	
96842	204	03 TRACTOR NW HOLLAND UTILITY W/S/R MTD.	199949B	0	DIESEL	72,916.20	
96842	205	03 TRACTOR UTILITY NWHOLLAND W/S/R MTD	200482B	0	DIESEL	72,916.20	
96842	206	04 TRACTOR ZERO GRASSHOPPER TURN	5418440	0	DIESEL	10,729.10	
96842	207	04 ROTARY BROOM SWEEPSTER	HJH011386	5,588	DIESEL	39,791.41	
96842	208	04 CASE TRACTOR MOWER	HJT010035	0	DIESEL	62,000.00	
96842	209	05 FLOODLIGHT LIGHT TOWER TRAILER	0317PR004	0	DIESEL	9,241.84	
96842	210	05 FLOODLIGHT LIGHT TOWER TRAILER	0318PR004	0	DIESEL	9,241.84	
96842	211	05 FLOODLIGHT LIGHT TOWER TRAILER	0319PR004	0	DIESEL	9,241.84	
96842	212	05 WELDER MILLER 40 TRAILER MOUNTED	MIL - 907171	0	DIESEL	28,695.00	
96842	213	05 TRACTOR MOWER NEW HOLLAND W/TIGER-GEAR	ACP253061	0	DIESEL	97,916.04	
96842	220	06 NH TRACTOR MOWER/BOOM MOWER/MOWER W/PTO	ACP272137	0	DIESEL	1,011,445.19	
96842	221	06 NH TRACTOR BOOM MOWER/MOWER W/PTO	ACP272270	0	DIESEL	101,145.19	
96842	222	06 NH TRACTOR/BOOM MOWER/MOWER W/PTO	ACP274889	0	DIESEL	101,145.19	
96842	223	96 MORBARK EZ CHIPPER MDL 2773	SN 2773	0	DIESEL	24,343.83	
96842	224	96 MORBARK EZ CHIPPER MDL 2200EZ	SN 2774	0	DIESEL	24,343.83	
96842	225	96 MORBARK CHIPPER MDL 2200EZ	SN 2775	0	DIESEL	24,343.83	
96842	226	00 CUB CADET 60" ROT MOWER	4G190Z80001	0	DIESEL	7,573.91	
96852	119	76 LOADER FRONT END		0	DIESEL	.00	
96852	121	81 COMPRESSOR INGERSOLL RAND		0	DIESEL	.00	
96852	122	81 COMPRESSOR INGERSOLL RAND		0	DIESEL	.00	
96852		81 LOADER CASE BACKHOE AND WD HAMMER		0	DIESEL	.00	
96852	125	82 GRADER GALION MOTOR		0	DIESEL	.00	
96852	126	86 CASE VIBRATORY ROLLER 2-4 TON		0	DIESEL	.00	
96852	127	87 GRADER GALION MOTOR		0	DIESEL	.00	

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EQUIPN	IENT	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
96852	130	87 ROLLER CASE VIRBRATORY MODEL 252		0	DIESEL	.00	
96852	131 .			ő	DIESEL	.00	
96852	132	88 GRADER CATERPILLAR MOTOR		ů	DIESEL	.00	
96852	133	88 LOADER JOHN DEERE W/BACKHOE		ő	DIESEL	.00	
96852	134	90 FORKLIFT KOMATSU 5000 LBS.		ů	DIESEL	.00	
96852	135	90 LOADER CASE BACKHOE		0	DIESEL	.00	
96852	136	91 LOADER JOHN DEERE MODEL 544E		0	DIESEL	.00	
96852	137	91 COMPRESSOR INGERSOL RAND AIR		0 0	DIESEL	.00	
96852		92 GRADER CHAMPION MOTOR		0	DIESEL		
96852		92 LOADER KOMATSU	12941	0	DIESEL	.00	
96852		93 COMPRESSOR SULLAIR 750 CFM	004-111603	0		.00	
96852		93 UNILOADER CASE SKID STEER	JAF0120730	•	DIESEL	40,657.42	
96852		93 ROLLER DYNAPAC	JAF0120730	0	DIESEL	16,897.97	
96852		93 LOADER KOMATSU FRONT END		0	DIESEL	.00	
96852		94 COMPRESSOR INGERSOLL RAND AIR		0	DIESEL	.00	
96852		94 COMPRESSOR INGERSOLL RAND AIR		0	DIESEL	.00	
96852		94 COMPRESSOR INGERSOLL RAND AIR 94 COMPRESSOR INGERSOLL RAND AIR		0	DIESEL	.00	
96852		79 TRUCK LIFT MOD M60		0	DIESEL	.00	
96852			794541	0	DIESEL	24,443.00	
96852		96 LOADER MELROE BOBCAT UNI-LOADER	512220136	0	DIESEL	.00	
96852		98 LOADER MELROE BOBCAT MODEL 763	512230785	0	DIESEL	.00	
96852		00 GRADER, MOTOR CHAMPION MODEL 710A, DIESEL		0	DIESEL	111,145.15	
		00 BACKHOE/LOADER NW HOLLAND W/HYD HAMMER		0	DIESEL	77,842.07	
96852		01 DOZER TRACTOR D3C LCP CATERPILLAR	5GS01012	0	DIESEL	68,817.27	
96852 96852		01 ROLLER DYNAPAC CC102 VIBRATORY	60115522	0	DIESEL	.00	
		01 LOADER/BACKHOE JD W/HYD BREAKER 6E5967		0	DIESEL	.00	
96852		02 TRUCKGMC F7 W/SCHWARZE SWEEPER	1GDP7C1CX23504097	34,800	DIESEL	173,007.46	
96852		02 TRUCK GMC F7 W/SCHWARZE SWEEPER	1GDP7C12C1J504263	34,800	DIESEL	173,007.46	
96852		02 LOADER CASE MODEL 521D	JEE0134186	0	DIESEL	99,061.87	
96852		02 ROLLER DYNAPAC 5-8 TON MODEL CC222	61711280	0	DIESEL	74,765.15	
96852		02 ROLLER DYNAPAC 2-4 TON CC102	60116496	0	DIESEL	.00	
96852		02 GRADER, GALION MODEL 830 B	U210932	0	DIESEL	115,624.26	
96852		03 GRADER CASE ARTICULATED MOTOR	HBZ0020107GR84502	0	DIESEL	111,978.45	
96852		03 LOADER NEW HOLLAND BACKHOE AND HAMMER	031046566	0	DIESEL	92,186.91	
96852		04 ROLLER HAMM ARTICULATED TANDEM HD70	1520780	0	DIESEL	64,999.58	
96852		05 FORKLIFT KOMATSU FD30T-14	589170A	0	DIESEL	28,124.82	
96852		05 BACKHOE NEW HOLLAND W/HAMMER LB1105E205	31055615/82758	0	DIESEL	88,541.00	
96852		06 VACUUM CLEANER TRUCK PETERBILT 357	1NPAL00X26D632940	0	DIESEL	304,057.09	
96852	167	06 KOMATSU FRONT-END WHEEL LOADER	68325	0	DIESEL	100,793.10	
96852	168	06 GMC TRUCK W/SWEEPER ATTACHMENT	1GDM7F1396F429132	33,000	DIESEL	238,558.19	
96852	169	06 2006 GMC TRUCK W/SWEEPER ATTACHMENT	1GDM7F1336F429515	33,000	DIESEL	238,558.19	
96852	170	07 PETERBILT 357 VAC-CON W/WATER TANK TRUCK	1NPAL00X27D683050	0	DIESEL	326,148.08	
96852	172	06 CASE CRAWLER EXCAVATOR	DAC251358	0	DIESEL	286,456.50	
96852	173	07 2007 CASE 845 TIER 3 MOTOR GRADER	N7AF03531	ő	DIESEL	173,749.00	
96862	106	85 BULLDOZER JOHN DEERE CRAWLER		ő	DIESEL	00	
96862	109	93 CHIPPER OLATHE MODEL 986CD	986603	0	DIESEL	18,476.63	
96862		93 CHIPPER OLATHE MODEL 986CD	986604	o	DIESEL	18,476.63	
96862			B45407	0	DIESEL	207,822.16	
96862	127		1148	0	DIESEL	48,333.02	
96862	128	07 BANDIT 280 CHIPPER BA182	1150	0	DIESEL		
		A STATE STORE STATE ST	1130	U		48,333.03 FUEL TYPE TOTAL	
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EQUIPN	IENT	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
96102	826	00 HPR WORK PROGRAM		•	100 3 DDI 103 DI D		
96812	820	00 MVSO - WORK ORDER FOR MVSO C/C		0	NOT APPLICABLE		
96832		49 TRAILER REHBAGER TIP TOP 7 TON		0	NOT APPLICABLE		
96832	104	53 TRAILER JOHN DEERE W/TILTING 3 TON		-	NOT APPLICABLE	.00	
96832		56 TRAILER SHOP BUILT 1 1/2 TON CARGO	-	0	NOT APPLICABLE	.00	
96832		77 TRAILER FERREI CUSTOM MADE SCALE		0	NOT APPLICABLE	.00	
96832		84 TRAILER KING TRAIL		0	NOT APPLICABLE		
96832		86 TRAILER ZIEMAN UTILITY		0	NOT APPLICABLE	.00	
96832		87 TRAILER ZIEMAN UTILITY		0	NOT APPLICABLE	.00	
96832		87 TRAILER ZIEMAN UTILITY		0	NOT APPLICABLE	.00	
96832		···		0	NOT APPLICABLE	.00	
96832		93 TRAILER ZIEMAN UTILITY	1TKJ04323KM7043812	0	NOT APPLICABLE	.00	
96832		96 TRAILER		0	NOT APPLICABLE	.00	
96832		96 TRAILER		0	NOT APPLICABLE	.00	
96832		97 TRAILER LOAD KING		0	NOT APPLICABLE	.00	
96832			1B4L38239V1121666	0	NOT APPLICABLE	.00	
96832		98 BOARD MESSAGE AMERICAN ELECTRONIC	1A9MS1510TA378129	0	NOT APPLICABLE	.00	
96832		98 BOARD MESSAGE AMERICAN ELECTRONIC	1A9MS1513TA378125	0	NOT APPLICABLE	.00	
96832 96832		98 TRAILER SPECTRUM BCT 16-7500	1S9BS2420WH364284	0	NOT APPLICABLE	.00	
96832		99 BOARD MESSAGE ADDCO, TRL MTD. CHANGEABLE		0	NOT APPLICABLE	32,885.21	
		02 TRAILER ZIEMAN CARRIER 1150	1ZCT21S292ZP23815	9,999	NOT APPLICABLE	8,020.78	
96832		02 BOARD MESSAGE SOLARTECH	4GM2M151021408509	0	NOT APPLICABLE	- 00	
96832		02 BOARD MESSAGE SOLARTECH	4GM2M151721408510	0	NOT APPLICABLE	.00	
96832		02 BOARD MESSAGE SOLARTECH	4GM2M151921408511	0	NOT APPLICABLE	.00	
	136	02 BOARD MESSAGE SOLARTECH	4GM2M151021408512	0	NOT APPLICABLE	.00	
96832		02 BOARD MESSAGE SOLARTECH	4GM2M151221408513	0	NOT APPLICABLE	.00	
96832		02 BOARD MESSAGE SOLARTECH	4GM2M151421408514	0	NOT APPLICABLE	-00	
96832		06 TRAILER ZIEMAN EQUIPMENT 1150	1ZCT21S286ZP26968	0	NOT APPLICABLE	11,770.76	
96832		06 TRAILER ZIEMAN EQUIPMENT 1150	1ZCT21S2X6ZP26969	9,999	NOT APPLICABLE	11,770.76	
96832	-	06 TRAILER ZIEMAN EQUIPMENT 2327H	1ZCT31A286ZP26967	33,200	NOT APPLICABLE	26,560.33	
96842		07 TRAFFIC SIGNAL SYSTEM (1)	1C9B1A0A861496019	0	NOT APPLICABLE	.00	
96842		07 TRAFFIC SIGNAL SYSTEM (1)	1C9B1A0A861496020	0	NOT APPLICABLE	34,331.84	
96842		07 TRAFFIC SIGNAL SYSTEM (1)	1C9B1A0A861496021	0	NOT APPLICABLE	34,331.84	
96842	217	07 TRAFFIC SIGNAL SYSTEM (2)	1CGB1A0A261496016	0	NOT APPLICABLE	34,354.64	
96842		07 TRAFFIC SIGNAL SYSTEM (2)	1CGB1A0A661496017	0	NOT APPLICABLE	34,354.64	
96842	-	07 TRAFFIC SIGNAL SYSTEM (2)	C9GB1A0A661496018	0	NOT APPLICABLE	34,354.64	
96862		04 SCAFFOLD-SUSPENDED POWER CLIMBER (3)	005001	0	NOT APPLICABLE	82,639.91	
96862		04 SCAFFOLD-SUSPENDED POWER CLIMBER (3)	005002	0	NOT APPLICABLE	82,639.91	
96862	122	04 SCAFFOLD-SUSPENDED POWER CLIMBER (3)	005003	0	NOT APPLICABLE	82,639.91	
96862	124	07 SCAFFOLD POWER CLIMBER PLATFORM	E07B3123/E07B3132	0	NOT APPLICABLE	33,998.72	
96862	125	07 SCAFFOLD POWER CLIMBER PLATFORM	E07B3131/E07B3124	Ō	NOT APPLICABLE	33,998.72	
						FUEL TYPE TOTAL	

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EQUIPM	TENT	DESCRIPTION	CEDIAL NUMBER	GVW	***	ACQUISI	
-			SERIAL NUMBER	GVW	FUEL	COST	DATE
91812	512	96 GMC SAFARI VAN	1GKDM15Z1RB542846	0	GASOLINE		
91812	579	00 CHVY ASTRO VAN	1GNDM19W1YB181166	0	GASOLINE	.00	
98812	161	91 CHEVY 4WD BLAZER	1GNCT18Z7M0120050	0	GASOLINE		
98812	165	92 FORD MP UH EXPLORER AUTO	1FMDU34X3NUC83665	0		15,729.22	
98812	170	92 FORD F150 PICKUP TRUCK	1FTDF15Y9NPA55985		GASOLINE	21,219.04	
98812	171	92 FORD SEDAN TEMPO	1FAPP36X2NK126779	0	GASOLINE	7,732.17	
98812	173	94 DODGE SHADOW SEDAN			GASOLINE	6,142.87	
98812	174	94 PONTIAC GRAND PRIX SEDAN	1B3AP28D6RN219792 1G2WJ52M6RF258025	0	GASOLINE	11,356.68	
98812	175	94 GMC PICKUP TRUCK 1/2 TON		0	GASOLINE	14,077.82	
98812	176	94 GMC CREWCAB PICKUP TRUCK	1GTDC14H8RZ523807	0	GASOLINE	15,198.00	
98812		94 GMC CREWCAB PICKUP TRUCK	1GTGC33K5RJ727985	0	GASOLINE	20,500.07	
98812	178	94 GMC CREWCAB PICKUP TRUCK	1GTGC33KXRJ728002	0	GASOLINE	20,942.77	
98812		94 GMC CREWCAB PICKUP TRUCK	1GTGC33K1RJ738160	. 0	GASOLINE	20,942.77	
98812	180	95 FORD RANGER PICKUP TRUCK	1GTGC33K5RJ738341	0	GASOLINE	20,942.77	
98812	181	95 FORD TAURUS 4DR SEDAN	1FTCR14X6SPA12888	0	GASOLINE	13,969.87	
98812	182	95 FORD CREWCAB PICKUP TRUCK	1FALP52U9SG207105	0	GASOLINE	14,761.76	
98812	183		1FTJW35H7SEA34977	0	GASOLINE	22,239.65	
98812	184	95 FORD CREWCAB PICKUP TRUCK	1FTJW35H5SEA34976	0	GASOLINE	22,239.65	
98812	186	95 FORD CREWCAB PICKUP TRUCK	1FTJW35H3SEA34975	0	GASOLINE	22,239.65	
98812	185	96 CUSHMAN REFUSE	1CUMH3273TL001507	. 0	GASOLINE	18,899.45	
98812		96 CUSHMAN REFUSE	1CUMH3275TL001508	0	GASOLINE	18,881.23	
	188	97 CHEVROLET CREWCAB PICKUP	1GCGC33F5VF027514	0	GASOLINE	27,633.18	
98812	189	97 CHEVROLET CREWCAB PICKUP	1GCGC33F3VF027964	0	GASOLINE	27,633.18	
98812	190	97 CHEVROLET PICKUP TRUCK	1GCCS14X3V8170091	0	GASOLINE	14,961.94	
98812	192	98 CHEVROLET S10 PICKUP TRUCK	1GCCS14X4W8236486	0	GASOLINE	16,455.00	
98812		98 CHEVROLET S10 PICKUP TRUCK	1GCCS14X2W8237569	0	GASOLINE	16,455.00	
98812	194	98 CHEVROLET CAVALIER 4-DOOR SEDAN	1G1JC5244W7335716	0	GASOLINE	13,922.79	
98812	198	99 FORD RANGE PICKUP TRUCK	1FTYR10V7XUB36560	4,740	GASOLINE	16,989.48	
98812		99 FORD RANGER PICKUP TRUCK	1FTYR10V9XUB36561	4,740	GASOLINE	16,997.81	
98812	200	99 CUSHMAN 3-WHEEL REFUSE VEHICLE	1CHMH3274XL002508	2,315	GASOLINE	21,800.00	
98812	201	00 CHEV PICKUP TRUCK	1GCCS19W4Y8243134	3,620	GASOLINE	20,277.73	
98812	202	00 CHEV MALIBU 4-DR SEDAN	1G1ND52J6Y6258330	3,080	GASOLINE	17,648.48	
98812	203	00 CHEV MALIBU 4-DR SEDAN	1G1ND52J2Y6257434	3,080	GASOLINE	17,648.48	
98812	204	01 FORD EXP SPTS UTIL 4WHDR	1FMRU16W51LB44913	5,250	GASOLINE	32,588.84	
98812	205	02 CHEVY MALIBU 4-DR SEDAN	1G1ND52J72M722857	. 0	GASOLINE	16,784.16	
98812	206	03 CHEVY SILVERADO PICKUP TRUCK	1GCEC14V53Z327146	0	GASOLINE	21,170.00	
98812	218	06 FORD PICKUP TRUCK	1FTSF20P66ED83910	0	GASOLINE	38,148.25	
98812	219	06 FORD RANGER PICKUP TRUCK	1FTYR44U77PA10586	0	GASOLINE	19,809.33	
98812	222	07 FORD F150 PU TRUCK	1FTRF12V97KD42209	0	GASOLINE	25,183.04	
98812	223	02 CHEVROLET PASSENGER VAN	1GAHG39R121196067	0	GASOLINE	8,300.00	
98812	224	08 FORD EXPEDITION	1FMFK16578LA08809	ŏ	GASOLINE	40,872.52	
98812	225	08 FORD F150 PICKUP	1FTPX12V08KC83976	õ	GASOLINE	34,430.89	
98812	226	08 FORD F150 PICK UP	1FTPX12V28KC83977	0	GASOLINE	34,430.89	
98812	227	08 FORD F150 PICK UP	1FTPX12V48KC83978	0	GASOLINE		
98842	127	94 KELLY-CRESWELL STRIPPING MACHINE (B4-2T)	7319	0	GASOLINE	34,430.90	
98842	133	99 MB STRIPING MACHINE	3-1276	0	GASOLINE	19,552.45	
98842	134	01 CUB CADET 60" ROT MOWER	4G190Z80001	0		18,934.28	
98842	135	01 CUB CADET 60" ROT MOWER	4G190Z80021	-	GASOLINE CASOLINE	7,573.91	
98842	142	06 YAMAHA 6KW GENERATOR	253259	0	GASOLINE	7,573.91	
98842	143	06 MULTIQUIP 9.7KW W/WHEELS GENERATOR	5556151		GASOLINE	2,905.19	
98842	146	06 CEMENT MIXER MQ WHITEMAN		0	GASOLINE	4,494.76	
98852	122	94 HYSTER H45XM FORKLIFT	AI752965	0	GASOLINE	3,619.77	
20004		- MOLLA HIJAN FORMATT	D177807282R	0	GASOLINE	18,935.48	

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EQUIP	455100	DE	CCB I DUI ON				ACQUISITI	
EQUIE	1001	DE	SCRIPTION	SERIAL NUMBER	GVW	FUEL	COST	DATE
98862	103	85	STOW CONCRETE MIXER	850275	0	GASOLINE	0 505 00	
98862			) SPRAYER JOHN BEAN CHEMICAL	DM10E300FE			2,597.92	
98862			SPRAYER JOHN BEAN CHEMICAL		0	GASOLINE	12,780.43	
98862			MOTOR OUTBOARD NISSAN 18-HP	JB02338NJ	-	GASOLINE	12,780.43	
98862			HOT WATER PRESSURE WASHER, SHARK 3500	07262	0	GASOLINE	2,694.78	
20001	101	00	, NOI WAIER PRESSURE WASHER, SHARK 3500	S0106-117175	0	GASOLINE	4,999.97	
							FUEL TYPE TOTAL	
91822	204	94	INTERNATIONAL DUMP TRUCK	1HTGGA2T6RH571307	0	DIESEL	.00	
91822	208		TRUCK: INT'L UNDERBRIDGE REACHALL CRANE	1HTGGA6T2RH548438	77,000	DIESEL	428,900.34	
91822	218		INTERNATIONAL DUMP TRUCK	1HTGGAUT6SH641780	0,000	DIESEL	.00	
95822	158		PETERBILT TRUCK W/ASPEN AERIAL BODY	1NPZX0TX53D714739	0			
98812			CHEVY FLEETSIDE 4WD PICKUP TRUCK			DIESEL	607,831.53	
98812			97 CHEVY CHASSIS CAB P/U	1GCHK34F4RE122826	0	DIESEL	27,914.67	
98812			CHEVROLET VAN (PASSENGER)	1GBGC24F5VE242247	8,600	DIESEL	27,027.95	
98812				1GAHG39F7X1037504	0	DIESEL	32,261.00	
98812			CHEVROLET SUBURBAN WAGON	3GNFK16R0XG153863	0	DIESEL	31,391.42	
			CHEVROLET VAN (CARGO EXT.)	1GCHG39FXX1039531	0	DIESEL	51,983.00	
98812	207		DODGE CREWCAB PU TRUCK	3D7MA48C14G117954	0	DIESEL	33,560.20	
98812	208		DODGE CREWCAB PU TRUCK	3D7MA48C34G117955	0	DIESEL	33,560.20	
98812			FORD EXCURSION 4X4 SUV	1FMSU41P04ED77884	0	DIESEL	40,372.64	
98812			FORD F350 CREWCAB PU TRUCK	1FTWW32P74ED29680	0	DIESEL	33,129.15	
98812			FORD F350 CREWCAB PU TRUCK	1FTWW32P44ED29684	0	DIESEL	33,129.15	
98812		04	STAR TIGER 3-WHEEL UTILITY DUMP TRUCK	LSCAA10D53A038841	0	DIESEL	29,982.10	
98812	213	05	FORD TAURUS 4-DR SEDAN	1FAFP53225A303675	0	DIESEL	16,343.64	
98812	214	05	FORD RANGER P/U TRUCK	1FTYR44U05PA81710	0	DIESEL	21,345.00	
98812	215	06	FORD F350 CREW CAB P/U	1FTWW30P56EA03205	0	DIESEL	33,836.52	
98812	216	05	FORD F350 CREW CAB P/U	1FTWW30P36EA03204	0	DIESEL	33,836.52	
98812	217	05	FORD F350 CREW CAB P/U	1FTWW30P16EA03203	0	DIESEL	33,836.52	
98812	220		FORD F350 PICKUP TRUCK	1FTWW30P26ED69946	0 0	DIESEL	38,601.87	
98812	221		FORD F350 PICKUP TRUCK	1FTWW30946ED69933	0	DIESEL	38,601.87	
98822	117		INTERNATIONAL DUMP TRUCK 2-1/2 C.Y.	1HTSAZPLOLH229524	ő	DIESEL	39,666.89	
98822	118		INTERNATIONAL 7 C.Y. DUMP	1HTSDZ7N3MH326954	ő			
98822	119		INTERNATIONAL 7 C.Y. DUMP	1HTSDPBR2NH405984	0	DIESEL DIESEL	43,635.69	
98822			INTERNATIONAL FLATBED DUMP W/CRANE		-		47,843.74	
98822			CHEVY FLATBED STAKE TRUCK	1HTGELGR9MH395506	0	DIESEL	103,972.68	
98822			CHEVY FLATBED STAKE TRUCK	1GBJC34J6NE208530	0	DIESEL	25,442.36	
98822				1GBJC34JXNE207896	0	DIESEL	25,442.36	
98822			INTERNATIONAL 2000 GAL TANK TRUCK	1HTGEA2R4PH471407	0	DIESEL	77,831.50	
			INTERNATIONAL TRUCK TRACTOR 9300	2HSFBBGR2RC087207	0	DIESEL	77,353.42	
98822			GMC FLATBED STAKE TRUCK	1GDKC34F0RJ510450	0	DIESEL	27,474.84	
98822			INTL DUMP TRUCK 2.50 CY	1HTSCABL8XH649041	0	DIESEL	59,689.32	
98822			INTL W/ AERIAL BUCKET TRUCK	1HTSDAAR0XH646699	0	DIESEL	152,787.63	
98822	128		INTERNATIONAL CAB & CHASSIS	1HTSDADR4YH218406	0	DIESEL	78,971.04	
98822			GMC DUMP TRUCK	1GDK7H1CX2J502518	0	DIESEL	82,154.60	
98822	130	02	GMC DUMP TRUCK	1GDP7H1C92J515444	35,000	DIESEL	100,376.85	
98822	131	04	INTERNATIONAL TANK TRUCK	1HTWKADR24J091021	20,100	DIESEL	114,895.88	
98822	132	03	FORD FLATBED CAB/CHASSIS STAKE TRUCK	1FDXF46P63ED88427	0	DIESEL	41,328.90	
98822	133	05	TRUCK PETERBILT DUMP	2NPLHZ8X45M856061	0	DIESEL	102,608.29	
98822	134	05	GMC FLATBED TRUCK	1GDE5C1265F528165	0	DIESEL	57,894.68	
98822	135	05	GMC FLATBED TRUCK	1GDE5C1225F528454	0	DIESEL	57,894.68	
98822	136		GMC SERVICE TRUCK	1GDM7C1326F429665	0	DIESEL	198,643.00	
98822	137		PETERBILT TRUCK TRACTOR	1XPFD40X47D673734	0	DIESEL	134,190.05	
98842			INTERNATIONAL TRACTOR W/BROOM	CHAB006811	0	DIESEL	19,418.49	
					v	010000	17,410.47	

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						ACQUISI	PTON
EQUIPN	IENT	DESCRIPTION	SERIAL NUMBER	GVW	FUEL		DATE
98842	110						
98842 98842	125	83 MILLER ARC WELD MACHINE W/TRAILER	JD688685	0	DIESEL	5,460.00	
98842 98842		92 CASE UTILITY TRACTOR W/MOWER	JJE0025508	0	DIESEL	3,544.91	
98842 98842		93 KUBOTA W/SIDE AND REAR FLAIL	20353	0	DIESEL	35,344.88	
98842 98842		93 FORD TRACTOR W/ROTARY MOWER	BD61180	0	DIESEL	32,200.73	
98842 98842		93 CASE TRACTOR W/SIDE AND REAR FLAIL	JJE0032530	0	DIESEL	42,244.92	
		94 MILLER ARC WELDING GENERATOR TRAILER MTD		0	DIESEL	9,533.35	
98842		96 CASE TRACTOR W/ SIDE & REAR FLAIL MOWER	JJE0924453	0	DIESEL	59,697.54	
98842		98 CASE TRACTOR MOWER W/SIDE REAR FLAIL	JJE0929986	0	DIESEL	61,410.02	
98842		02 TRACTOR CASE W/FLAIL MOWER	JJE1018545	0	DIESEL	64,062.09	
98842		04 KUBOTA 4X4 W/REAR MOWER TRACTOR	55707	0	DIESEL	45,040.85	
98842		04 KUBOTA W/REAR MOWER TRACTOR	11066	0	DIESEL	45,327.82	
98842		04 CUB CADET 54" MOWER	2H253Z80004	0	DIESEL	7,300.00	
98842		05 NEW HOLLAND UTIL TRCTR W/REAR ROT MOWER	HJS035642	0	DIESEL	44,791.38	
98842		05 NEW HOLLAND UTIL TRCTR W/REAR ROT MOWER	HJS035653	0	DIESEL	44,791.38	
98842		06 MILLER WELDER GENERATOR, TRLR MOUNTED		0	DIESEL	36,830.00	
98842		94 JOHN DEERE 6200 TRACTOR W/FLAIL MOWER		0	DIESEL	.00	
98842		07 UTILITY TRACTOR WITH SIDE AND REAR MOWER		0	DIESEL	86,301.53	
98842		07 UTILITY TRACTOR WITH SIDE AND REAR MOWER	HJT104966	0	DIESEL	86,301.53	
98852		88 MOTOR GRADER - CAT 120G	087V08556	0	DIESEL	90,732.07	
98852		90 CASE 621 FRONT END LOADER	JAK0021304	0	DIESEL	67,588.76	
98852		91 CASE LOADER/BACKHOE 4X4	JJG0071106	0	DIESEL	61,913.74	
98852	-	94 CAT 214 ROLLER VIBRATORY	09XK00136	0	DIESEL	29,744.00	
98852		94 JOHNSON SWEEPER	1JSVM4H21RC041016	0	DIESEL	139,500.45	
98852	125	96 LOADER/BACKHOE JOHN DEERE 310D	T0310DB824852	0	DIESEL	60,033.00	
98852		98 PORTABLE AIR COMPRESSOR W/TRAILER	289280UDI219	0	DIESEL	14,000.94	
98852	127	85 INTL SWR HYPRO JET VACUUM TRUCK	1HTLDTVR4FHA62673	0	DIESEL	108,923.36	
98852	128	00 CHAMPION MOTOR GRADER	30826	0	DIESEL	111,250.35	
98852	130	02 CASE 521D LOADER	JEE0134193	0	DIESEL	99,061.86	
98852	131	04 BOMAG BW120 VIBRATORY ROLLER	101170519763	0	DIESEL	32,291.46	
98852	132	04 LEEBOY 685 COMPACT GRADER	68541778	0	DIESEL	94,009.82	
98852	133	04 GMC SWEEPER	1GDM7F1395F500635	0	DIESEL	211,069.46	
98852	134	05 CASE LOADER/BACKHOE	N5C386017	õ	DIESEL	87,499.44	
98852	135	05 KOMATSU WHEEL LOADER	65912	õ	DIESEL	96,353.55	
98852	136	07 PETERBILT HYDRO JET VACUUM TRUCK	1NPAL00X37D673739	ő	DIESEL	326,148.08	
98852	137	06 GMC SWEEPER TRUCK	1GDM7F1386F431454	ő	DIESEL	219,109.96	
98852	138	06 HAMM VIBRATORY ROLLER	1395680	ŏ	DIESEL	.00	
98852	139	07 EXCAVATOR TAKEUCHI TB175	17516092	ő	DIESEL	106,978.78	
98862	108	99 MORBARK BRUSH CHIPPER TRLR MNTD	03327	ő	DIESEL	30,103.97	
98862	116	04 LIGHT TOWER ALLMAND	1380PR003	0	DIESEL		
98862	117	04 LIGHT TOWER ALLMAND	1381PR003	0	DIESEL	8,700.00	
98862	118	06 LIGHT TOWER ALLMAND	P0505090008	0		8,700.00	
98862	119	06 LIGHT TOWER ALLMAND	P0506140011	0	DIESEL DIESEL	10,863.64	
			P0508140011	U	DIESEL	10,863.65	
						FUEL TYPE TOTAL	
98842	145	06 TRANTEX THERMOPLASTIC STRIPING MACHINE	K8548	•	<b>D</b>		
		VS HERIER HERIOPERSTIC STRIFTING MACHINE	K6548	0	PROPANE	37,988.00	
						FUEL TYPE TOTAL	
98812	991	07 MISCELLANEOUS DIESEL FUEL CHARGE		0	NOT ADDI 10775		
98812	992	07 MISCELLANEOUS REGULAR GAS CHARGE		0	NOT APPLICABLE	.00	
98822	991	07 MISCELLANEOUS DIESEL FUEL CHARGE		0	NOT APPLICABLE	.00	
98822		07 MISCELLANEOUS DIESEL FOEL CHARGE 07 MISCELLANEOUS REGULAR GAS CHARGE		0	NOT APPLICABLE	.00	
20022		V, MUCELLANDOUS REGULAR GAS CHARGE		0	NOT APPLICABLE	.00	

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# HIGHWAYS - KAUAI DISTRICT OFFICE E/U ALTERNATIVE FUEL REPORT BY FUEL TYPE 9/10/08

PERIOD: 07/01/07 THRU 06/30/08

						ACQUISI	FION
EQUIPM	IENT	DESCRIPTION	SERIAL NUMBER	GVW	FUEL	COST	DATE
98832	107	91 LOAD KING LOWBOY TRAILER	1B4L48230M2116751	0	NOT APPLICABLE	29,594.74	
98832	108	94 ZIEMAN MSTL TRAILER	1ZCT18S14RZP17739	0	NOT APPLICABLE		
98832	110	96 SHOPBUILT WEIGHT SCALE TRAILER	1S9EC1613TH364445	0	NOT APPLICABLE	16,110.93	
98832	111	99 TRAIL KING DUMP TRAILER	1TKFT3023XM085139	0	NOT APPLICABLE	46,549.86	
98832	112	02 HOMADE UTILITY TRAILER	UNKNOWN147KXSKNL	1,200	NOT APPLICABLE	9,200.00	
98832	113	04 ZIEMAN TRAILER	1ZCE21E224ZP25185	2,340	NOT APPLICABLE	6,734.33	
98832	114	04 ZIEMAN TRAILER	1ZCE20E274ZP25371	-/	NOT APPLICABLE	•	
98832	115	04 BRIMAR DUMP TRAILER	43YDC10275C039431	0	NOT APPLICABLE	8,437.45	
98832	116	03 CHILTON UTILITY TRAILER	14DAC08123C001097	ő	NOT APPLICABLE	2,500.00	
98832	117	05 CARNAI GALV BOAT TRAILER	5FMBT2J1151507317	0 0	NOT APPLICABLE	1,015.62	
98832	118	07 TRAIL KING TRAILER	1TKJ047207M077305	17,180	NOT APPLICABLE	72,382.15	
98832	119	06 ECONOLINE TRAILER	42ETPBN4261001080	1,100	NOT APPLICABLE	.00	
98832	120	07 TRAILER ZIEMAN UTILITY	1ZCT21S247ZP27732	0	NOT APPLICABLE	9,143.69	
98832	121	07 TRAILER ZIEMAN UTILITY	1ZCT21E217ZP27666	0	NOT APPLICABLE	11,856.00	
98832	122	07 TRAILER ZIEMAN RAMP	1ZCE34E2X7ZP27771	0	NOT APPLICABLE	22,031.10	
98832	991	07 MISCELLANEOUS DIESEL FUEL CHARGE		ő	NOT APPLICABLE	.00	
98832	992	07 MISCELLANEOUS REGULAR GAS CHARGE		0	NOT APPLICABLE	.00	
98842	991	07 MISCELLANEOUS DIESEL FUEL CHARGE		ů 0	NOT APPLICABLE	.00	
98842	992	07 MISCELLANEOUS REGULAR GAS CHARGE		ŏ	NOT APPLICABLE	.00	
98852	115	02 MESSAGE BOARD, TRAILER MOUNTED	4GM2M151321408505	ő	NOT APPLICABLE	24,921.28	
98852	116	87 JD 544D FRONT END LOADER	513368	0	NOT APPLICABLE	58,289.01	
98852	117	87 S4-6B TANDEM ROLLER	R25002U061757	ů 0	NOT APPLICABLE	30,527.18	
98852	129	00 COMPRESSOR NAPA 80 GAL	075438	ŏ	NOT APPLICABLE	2,029.74	
98852	991	07 MISCELLANEOUS DIESEL FUEL CHARGE		ő	NOT APPLICABLE	2,025.74	
98852	992	07 MISCELLANEOUS REGULAR GAS CHARGE		ő	NOT APPLICABLE	.00	
98862	111	01 ITCP SPEED CONTROL MONITOR TRLR MTD		ő	NOT APPLICABLE	11,999.00	
98862	112	01 ITCP SPEED CONTROL MONITOR TRLR MTD		õ	NOT APPLICABLE	11,999.00	
98862	113	02 MESSAGE BOARD, TRAILER MOUNTED	4GM2M151X21408503	ő	NOT APPLICABLE	24,921.28	
98862	114	02 MESSAGE BOARD, TRAILER MOUNTED	4GM2M151121408504	0	NOT APPLICABLE	24,921.28	
98862	115	02 MESSAGE BOARD, TRAILER MOUNTED	4GM2M151321408505	0	NOT APPLICABLE	24,921.28	
98862	120	04 BOAT KLAMATH 14' ALUMINUM	KLOBO308L304	0	NOT APPLICABLE	4,576.02	
98862	122	06 MESSAGE BOARD, TRAILER MOUNTED 3027		0	NOT APPLICABLE	24,753.00	
98862	123	06 MESSAGE BOARD, TRAILER MOUNTED 3028		ő	NOT APPLICABLE	24,753.00	
98862	125	06 PORTABLE TRAFFIC SIGNAL-TRAILER MOUNTED	1C9B1A0A361496011	ő	NOT APPLICABLE	33,834.51	
98862	991	07 MISCELLANEOUS DIESEL FUEL CHARGE		0	NOT APPLICABLE	.00	
98862	992	07 MISCELLANEOUS REGUALR GAS CHARGE		0	NOT APPLICABLE	.00	
				Ũ	NOT THE DICADDS	FUEL TYPE TOTAL	
						TOTAL	

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PERIOD: 07/01/07 THRU 06/30/08

						ACOUIS	ITION
EQUIPN	4ENT	DESCRIPTION	SERIAL NUMBER	GVW	FUEL	COST	DATE
93812		01 FORD F-150 P/UP TRUCK	1FTRX17W31KB07259	0	GASOLINE	25,271.17	08/10/01
93812	-	94 TRUCK, GMC 3/4 TON PICK UP	1GTGC24K4RE510557	0	GASOLINE	23,500.00	
94812		99 FORD F-150 PICKUP TRUCK	1FTRF17WOXKB67057	0	GASOLINE	21,261.96	06/25/99
94812		04 JEEP LIBERTY 4 DR SUV	1J4GL48K34W285101	0	GASOLINE	23,480.06	
94832		80 TRAILER, TANK SPRAYER ETNYRE BIT M3269	M-3269	0	GASOLINE	9,591.00	08/23/80
94842		75 WELDER, AIRCO ARC GAS	HF838958	0	GASOLINE	2,340.00	09/20/75
94862		02 300 EL CHEMICAL SPRAYER, TRAILER	4PBTC191113000078	0	GASOLINE	9,028.87	07/02/01
95812		91 TRUCK, CUSHMAN REFUSE DUMP UT	1CUMH327011000718	0	GASOLINE	14,063.10	01/07/91
95812		91 SEDAN, CHEV SPECTRUM 4DR	J81RG5172J7542099	0	GASOLINE	3,400.00	01/14/91
95812		93 SEDAN, CHEV LUMINA 4 DR	2G1WL54T6N9253039	0	GASOLINE	15,853.56	07/01/93
95812		94 WAGON, JEEP CHEROKEE UTILITY 4X4	1J4FJ28S5RL169641	0	GASOLINE	18,594.35	02/18/94
95812	-	94 WAGON, CHER SP	1J4FJ28S7RL169642	0	GASOLINE	18,594.35	02/18/94
95812		95 WAGON, CHEVROLET SUBURBAN 4X4	1GNGK26K4RJ395960	0	GASOLINE	25,260.57	07/15/94
95812		95 TRUCK, CHEVROLET S-10 1/2TON PICKUP	1GCCS14Z6S8254239	0	GASOLINE	12,715.13	08/09/95
95812		98 CHEV PICK-UP EXT. CAB	1FCEC19M7WE252235	0	GASOLINE	22,469.00	08/24/98
95812		98 CHEV S-10 PICK UP TRUCK	1GCCS14X6WK251560	0	GASOLINE	16,101.98	10/22/98
95812		98 CHEV S-10 PICK-UP TRUCK	1GCCS14X9WK253125	0	GASOLINE	16,101.98	10/22/98
95812		98 CHEV S-10 PICK-UP TRUCK	1GCCS14X1WK253197	0	GASOLINE	16,101.98	10/22/98
95812		98 CHEV S-10 PICK-UP TRUCK	11GCCS14XWK254302	0	GASOLINE	16,101.98	10/22/98
95812	197	99 CHEV SILVERADO 1/2 TON PICK UP	1GCEC14T9XZ121977	0	GASOLINE	20,148.00	22/22/99
95812		99 CHEV SILVERADO 1/2 TON PICK UP	1GCEC14T2XZ124137	0	GASOLINE	20,148.00	02/22/99
95812	199	99 JEEP CHEROKEE 4 DR S/W	1J4FT2850XL578122	0	GASOLINE	23,977.97	04/08/99
95812		99 JEEP CHEROKEE 4 DR S/W	1J4FT28S9XL578121	0	GASOLINE	23,977.97	04/08/99
95812	201	99 JEEP CHEROKEE 2 DOOR S/W	1J4FT27S2XL578124	0	GASOLINE	23,487.35	04/08/99
95812	202	99 FORD RANGER PICKUP TRUCK	1FTYR10V0XUB36559	0 0	GASOLINE	16,497.81	06/15/99
95812	203	99 FORD F-150 PICKUP TRUCK	1FTRF17W9XKB67056	0	GASOLINE	21,261.96	06/21/99
95812	205	99 CHEV P/UP W/EXT. CAB	1GCCS19X9X8198182	ő	GASOLINE	19,739.46	07/29/99
95812	207	00 CHEV 1/2 TON PICKUP TRUCK	1GCEC14V5YZ295015	Ő	GASOLINE	19,955.44	07/21/00
95812	208	00 CHEV 1/2 TON PICKUP TRUCK	1GCEC14V7YZ296649	ő	GASOLINE	19,955.42	07/21/00
95812	209	00 CHEV 1/2 TON PICKUP TRUCK	1GCEC14V8YZ295171	ő	GASOLINE	19,955.42	07/21/00
95812	211	02 FORD RANGER 4X4 P/UP TRUCK	1FTYR45E52PB00478	ő	GASOLINE	23,114.75	09/20/02
95812	214	05 FORD F150 FLEETSIDE	1FTRF12W85NA04806	ŏ	GASOLINE	20,828.39	03/20/02
95812	215	04 FORD RANGER S/C P/UP 4 DR	1FTZR44V24PB43451	ő	GASOLINE	22,744.55	
95812	216	06 DODGE PICK-UP TRUCK	1D7HA18N56J201603	ő	GASOLINE	27,936.28	
95812	217	06 FORD ESCAPE MPVH	1FMYU96H96KD56285	0	GASOLINE	•	
95812	220	08 FORD F-150 PICK-UP TRUCK	1FTRF14W87LD42210	0	GASOLINE	34,826.58	
95812	221	08 FORD ESCAPE HYBRID SUV 4WD	1FMCU59H68KB80071	0		26,720.53	
95812		08 FORD ESCAPE HYBRID SUV 4WD	1FMCU59H48KB80070	0	GASOLINE	34,251.87	
95812		08 CHEV MALIBU 4 DR SEDAN			GASOLINE	34,251.86	
95822		81 TRUCK, INT 1724 CREWCAB STAKE DUMP	1G1ZG57B78F165648	3,440	GASOLINE	26,235.00	
95832		94 TRAILER, ZIEMAN TILT	1HTAA17BOBHB33852	0	GASOLINE	22,944.36	03/23/82
95832	114	06 TRAIL KING TRAILER	1ZCT31A21P2P17416	0	GASOL INE	15,890.07	08/27/93
95842	146	94 STRIPER, KELLY-CRESSWELL W/TRACTION BDC	1TKJ047227M077306	0	GASOLINE	69,894.15	
95842		96 ERADICATOR	7440	0	GASOLINE	11,190.00	01/07/94
95842	151	96 GENERATOR HONDA	ROBIN 1098158	0	GASOLINE	7,209.00	11/08/96
95842			5/37583	0	GASOLINE	2,945.00	11/08/96
95842 95842		99 MD DOUBLE GUN STRIPER MACHINE W/TRAILER	14DAC0819XC000230	0	GASOLINE	13,667.00	08/26/99
95842 95842		06 MCGREGGOR HERBICIDE SPAYER TRAILER	RS335708	0	GASOLINE	25,812.33	
95842 95862		06 MCGREGGOR HERBICIDE SPRAYER, SKID MNTD	RS300702	0	GASOLINE	21,979.03	
95862 95862	113	02 300 EL CHEMICAL SPRAYER, TRAILER	4PBTC191X13000080	0	GASOLINE	9,028.87	09/25/01
		02 300 EL CHEMICAL SPRAYER, TRAILER	4PBTC191313000079	0	GASOLINE	9,028.88	09/25/01
95862	112	02 STONE CONCRETE MIXER W/TRAILER	092002139	0	GASOLINE	5,208.30	06/28/02

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				DISTRICT OFFICE					
	E/U AL	TERNATIV	EE	UEL REPORT BY FUEL TYPE 9/10/08					
	PERIOD	. 07/01	/07	THRU 06/30/08					
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								ACOUISI	TION
	EQUIPM	IENT	DE	SCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
								FUEL TYPE TOTA	L
	93822	104	97	INTERN'L 2 1/2 CY DUMP TRK(TRANS FM MAUI		0	DIRGE		
	93842	106	06	CASE IN TRACTOR MOWER	HFJ038654	0	DIESEL DIESEL	46,598.86 52,708.00	03/24/97
	93842	107		CASE IH TRACTOR MOWER	HFJ038662	ů o	DIESEL	46,353.87	
	93852		00	JCB WHEEL LOADER W/FRONT BUCKET & DOZER	SLP41100YE0527687	0	DIESEL	70,520.38	09/25/00
	94812			CHEV CREWCAB 1 TON PICKUP	1GCGC33F9XF061524	0	DIESEL	30,390.43	05/27/99
	94812			CHEVY 3/4 TON PICK-UP TRUCK	1GBGK24J9NE194985	0	DIESEL	27,871.81	11/06/92
	94822 94822			TRUCK, GMC KODIAK 7CY	1GBP7HIJ3RJ104008	0	DIESEL	45,411.69	02/11/94
	94822 94822			TRUCK, INT'L 4700 2 1/2CY DUMP INTERNATIONAL 2 1/2 CY DUMP TRUCK	1HTSCABL2SH658116	0	DIESEL	37,476.51	01/27/95
	94822			TRUCK, PETERBUILT WATER TANKER	1HTSCABL5VH453068 1NPLHZ8X95M852586	0	DIESEL DIESEL	46,807.19	03/24/97
	94822			PETERBUILT DUMP TRUCK	2NPLHZ8X37M673737	· 0	DIESEL	119,255.32 119,353.59	
	94842	108		TRACTOR, KUBOTA W/FLAIL MOWER	12944	0	DIESEL	18,499.60	03/19/93
	94842	109	95	TRACTOR, JOHN DEERE W/EXT. FLAIL MOWER	157-1709-23666	0	DIESEL	45,458.25	08/16/95
	94842			MORBARK TRAILER MOUNTED BRUSH CHIPPER	2771	0	DIESEL	24,656.33	12/20/96
	94842			KUBOTA TRACTOR MOWER W/FLAIL MOWER	10775	0	DIESEL	74,873.28	11/01/01
	94852	-		LOADER, BACKHOE JOHN DEERE W/BKT	T0310CF768260	0	DIESEL	36,180.00	01/01/90
	94852 94852			ROLLER, TANDEM CAT	06LF00285	0	DIESEL	21,013.01	05/31/90
	94852			LOADER, KOMATSU FRONT END GRADER, CHAMPION 710A	12944	0	DIESEL	70,065.85	02/10/93
	94852			SULLAIR AIR COMPRESSOR	157-1709-23666 004-137714	0	DIESEL	93,941.97	04/05/94
	94852			FORKLIFT CAT V50D	3EC03766	0	DIESEL DIESEL	14,104.08 4,583.30	05/21/02 09/12/88
	94852	112		GMC FORWARD CAB W/SWEEPER	1GDM7F1306F431691	33,000	DIESEL	220,359.96	0)/12/00
	94852	113	07	NH FRT LOADER/BACKHOE W/REAR BUCKET	031065320	0	DIESEL	70,720.00	
	94862		88	FLOODLIGHT, WINCO MOUNT-ON TRAILER	44160J88	0	DIESEL	208.33	07/09/88
	95812			TRUCK, CHEV FB 1TON	1GBHC34J3PE225142	0	DIESEL	34,994.00	03/31/94
	95812			CHEV VAN	1GNHG35F1V1077787	0	DIESEL	24,488.78	06/18/97
	95812	187 189		CHEV CREWCAB P/UP 1 TON W/UTL BODY	1GBHC33F6VF027336	0	DIESEL	28,988.36	06/18/97
	95812 95812			CHEV 1 TON CREWCAB PICK-UP TRUCK CHEV 1 TON CREWCAB PICK-UP TRUCK	1GCGC33FXWF061269	0	DIESEL	29,191.50	08/24/97
	95812	195		CHEVII TON CREWCAS FICK-OF TROCK CHEVROLET VAN W/BUCKET HIGHLIFT	1GCGC33F2WF062545 1GCHG39F3X1038172	0	DIESEL	29,191.50	08/24/97
	95812			CHEV 1 TON FLATBED /HYDRAULIC LIFTGATE	1GBHC34F2XF008932	0	DIESEL DIESEL	51,462.00 31,769.59	01/27/99 01/26/99
	95812			CHEV 4X4 PICKUP TRUCK	1GCEK14V6XZ158439	ŏ	DIESEL	23,973.80	06/22/99
	95812	206	99	GMC TRUCK W/UTILITY BODY & CRANE	1GDHK34F7XF082678	0	DIESEL	49,346.96	02/07/00
	95812		00	CHEV FLATBED 1 TON TRUCK	1GBHC34F9YF509589	0	DIESEL	33,853.95	10/23/00
	95812			FORD F-350 UTILITY BOX W/RACK TRUCK	1FDSF30F82EC92916	0	DIESEL	34,644.66	02/28/03
	95812	213		FORD EXCURSION SUV 4X4	1FMSU41P55EA25207	0	DIESEL	40,944.37	
	95812 95812			FORD F350 CREWCAB FLEETSIDE P-UP TRUCK	1FTWW30P56ED69925	0	DIESEL	37,455.00	
	95812 95812			FORD F350 CREWCAB FLEETSIDE P-UP TRUCK FORD F-350 FLEETSIDE PICK-UP	1FTWW30P06ED69928	0	DIESEL	37,455.00	
	95822			TRUCK, FORD AERIAL PLATFORM	1FTWW30R981C60405 1FDXK74N0EVA05017	10,800 0	DIESEL	42,466.95	05/00/01
	95822			TRUCK, INT'L 4700 STAKE DUMP	1HTSCPHL5PHA70644	0	DIESEL DIESEL	72,845.71	05/22/84
	95822			TRUCK, INT DUMP 7CY	1HTSDPCR6PH469513	0	DIESEL	42,318.47 46,157.69	09/17/92 11/24/92
	95822	137		TRUCK, INT DUMP 7CY	1HTSDPCR8PH469514	ō	DIESEL	46,157.69	11/24/92
	95822		94	TRUCK, CHEVROLET 7CY DUMP	1GBP7H1J1RJ103701	0	DIESEL	45,203.27	03/25/94
		141		TRUCK, INT'L CREWCAB FLATBED	1HTSCACL2RH571311	0	DIESEL	46,504.96	05/11/94
	95822	142		TRUCK, INT'L CREWCAB FLATBED	1HTSCACL4RH571312	0	DIESEL	46,504.96	05/11/94
	95822	143		TANKER, GMC 2,000 GAL WT	1GDP7H1J8RJ512351	0	DIESEL	65,910.40	01/12/95
	95822 95822	144		TANKER, GMC 2,000 GAL WT	1GDP7H1J5RJ512338	0	DIESEL	65,910.40	01/12/95
	22044	140	51	INTERNATIONAL 2 1/2 CY DUMP TRUCK	1HTSCABL3VH453067	0	DIESEL	46,598.86	03/24/97

PERIOD: 07/01/07 THRU 06/30/08

						ACOULS	10101
EQUIPM	1ENT	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
					Fonderstere		DATE
95822		98 INTNL CREWCAB W/STAKE BODY AND DUMP	.HTSCAAL7WH496619	0	DIESEL	65,768.83	10/17/97
95822	150	98 INTERNATIONAL 7CY DUMP TRUCK	1HTSDADROVH496618	0	DIESEL	65,674.04	10/17/97
95822		98 INTERNATIONAL 7CY DUMP TRUCK	1HTSDADR6XH648999	0	DIESEL	66,748.77	11/24/98
95822		98 INTERNATIONAL 2 1/2 CY DUMP TRUCK	1HTSCABL6XH649040	0	DIESEL	51,106.70	11/24/98
95822		99 INTERNATIONAL 2 1/2 CY DUMP TRUCK	1HTSCAAN3XH212101	0	DIESEL	61,829.30	08/25/99
95822		99 INTERNATIONAL 2,000 GALS WATER TANK TRK	1HTSDADR8YH212155	0	DIESEL	108,561.57	10/01/99
95822		99 INT TRUCK W/BOOM CRANE	1HTGEATR2XH212154	0	DIESEL	128,328.92	12/29/99
95822		00 GMC W/DUMP CHIP BODY	1GDP7H1C6YJ519587	0	DIESEL	144,454.48	03/21/01
95822		94 TRUCK, INT'L 4700 2 1/2 CY DUMP	1HTSCABLXSH571306	0	DIESEL	35,588.74	06/17/94
95822	-	03 PETERBILT TRUCK W/ASPEN AERIAL BODY	1NPZXOTX53D714739	0	DIESEL	607,831.53	12/16/02
95822		02 CHEVROLET HD FLATBED W/TAILGATE	3GBKC34F52M116623	15,000	DIESEL	38,060.00	04/21/03
95822		02 CHEVROLET HD FLATBED W/TAILGATE	3GBKC34F52M116749	15,000	DIESEL	38,060.00	04/21/03
95822		91 MACK DUMP TRUCK 10 C. YD.	1M2AY80C5MM005596	56,540	DIESEL	68,348.13	01/07/91
95822		91 MACK DUMP TRUCK 10 C. YD.	1M2AY80C7MM005597	0	DIESEL	68,348.14	01/07/91
95822		04 PETERBUILT 7CY YD DUMP BODY TRUCK	2NPNHZ8XX4M816624	0	DIESEL	99,432.24	01/16/04
95822		96 TRUCK GMC FB (TOW TRUCK)	1GDM7H1J8RJ502423	32,000	DIESEL	80,861.00	01/07/96
95822		06 PETERBUILT MASTER TRUCK TRACTOR	1XPFD40X67D673735	60,320	DIESEL	136,681.05	
95822		08 GMC TRUCK W/AERIAL AND UTILITY BODY	1GDE5C1988F400866	0	DIESEL	144,603.64	l
95842		95 WELDER, MILLER ON TRAILER	KE700622	0	DIESEL	9,533.35	09/19/94
95842		95 TRACTOR, JD W/FLAIL MOWER	LV5300D331852	0	DIESEL	33,905.23	03/17/95
95842		97 MORBARK CHIPPER	2770	0	DIESEL	24,656.33	12/20/97
95842		97 MORBARK CHIPPERS	2772	0	DIESEL	24,656.33	12/20/97
95842		98 KUBOTA TRACTOR W/REAR FLAIL MOWER	30371	0	DIESEL	18,056.41	08/06/98
95842	160	99 KUBOTA TRACTOR MOWER W/CAB	10564	0	DIESEL	35,029.10	11/30/99
95842		99 KUBOTA TRACTOR MOWER W/CAB	10562	0	DIESEL	60,899.68	01/30/99
95842	162	00 KUBOTA TRACTOR W/BOMFORD FLAIMMOWER	10712	0	DIESEL	65,204.45	01/24/01
95842		01 KUBOTA TRACTOR W/FLAIL MOWER	10776	0	DIESEL	41,416.79	10/31/01
95842	164	01 KUBOTA TRACTOR W/FLAIL MOWER	10777	0	DIESEL	41,416.78	10/31/01
95842		01 CASE TRACTOR MOWER/SICKLE BAR	JJE1018544	0	DIESEL	61,978.11	12/28/01
95842	168	02 CASE TRACTOR, SIDE MT, REAR FLAIL MOWER	JJE1020834	0	DIESEL	68,957.89	11/22/02
95842		02 CASE TRACTOR, SIDE MT, REAR FLAIL MOWER	JJE1020914	0	DIESEL	68,957.89	11/22/02
95842	170	02 CASE TRACTOR W/FRONT SWEEPER	JJE1020832	0	DIESEL	34,114.37	07/07/02
95842	175	03 ALLMAND NITE-LITE PRO	1315 PRO 03	0	DIESEL	7,960.16	11/05/03
95842	176	03 KUBOTA TRACTOR MOWER W/REAR FLAIL UNIT	11076	0	DIESEL	36,133.09	01/13/04
95842	177	03 KUBOTA TRACTOR MOWER W/REAR FLAIL UNIT	11078	0	DIESEL	37,633.10	01/13/04
95842	180	06 FORD NEW HOLLAND TRACTOR MOWER	HJS062649	0	DIESEL	68,749.56	01, 10, 01
95842	181	06 CASE TRACTOR MOWER W/CAB	HFJ038649	0	DIESEL	44,270.55	
95852	112	81 GRADER, GALION MOTOR A-500 ARTICULATING	GF09544	. 0	DIESEL	80,477.00	08/26/80
95852	121	90 LOADER/BACKHOE 310C JD W/BKT	T0310CF768297	0	DIESEL	36,180.00	01/07/90
95852		90 COMPRESSOR, SULLAIR PORTABLE AIR	004104924	0	DIESEL	11,036.61	07/06/90
95852	124	93 LOADER, KOMATSU FRONT END	12942	0	DIESEL	70,065.85	02/10/93
95852		93 LOADER, KOMATSU FRONT END	12942	0	DIESEL	70,065.85	02/10/93
95852		93 GRADER, CHAMPION MOTOR 710A	157164523437	0	DIESEL	96,243.02	01/07/94
95852		93 GRADER, CHAMPION 710A MOTOR	157164323434	0	DIESEL	96,243.02 96,243.02	01/07/94
95852		94 GRADER, CHAMPION 710A MOTOR	157171023667	0	DIESEL	93,478.42	01/07/94
95852		97 FORD/ELGIN SWEEPER, 4-WHEEL	157171023887 1FDXH81C1VVA10587	0	DIESEL	93,478.42 125,546.69	
95852	130	97 CASE LOADER/BACKHOE 3WD W/EXTENDAHOE	JJG0239346	0	DIESEL	76,434.93	10/11/96 04/21/98
95852		98 LOADER FRONT END KOMATSU	A80257	0	DIESEL	91,780.41	
95852		00 NEW HOLLAND BACKHOE/LOADER W/HAMMER	31025675	0	DIESEL	•	09/29/98
95852	133	02 GMC TRUCK SCHWARZE STREET SWEEPER	1GDP7C1C12J513643	0	DIESEL	77,842.07	01/16/01
95852	-	03 KOMATSU FORKLIFT	16DP7C1C123513643 562457A	0	DIESEL	173,680.16 21,145.70	12/10/02 11/19/03
			502457A	0	DIESED	21,145.70	11/19/03

PERIOD: 07/01/07 THRU 06/30/08

						ACQUISITION	
EQUIPMENT		DESCRIPTION	SERIAL NUMBER	GVW	FUEL	COST	DATE
95852	135	02 CASE WHEEL LOADER					
95852	135		JEE0135991	0	DIESEL	86,874.44	07/13/04
95852 95852		04 CASE ROLLER DV202	DDD0000234	0	DIESEL	34,525.82	07/13/04
95852 95852	137 138	06 GMC FORWARD CAB W/SWEEPER	1GDM7F1336F432110	33,000	DIESEL	219,109.96	
		06 PETERBUILT CAB CHASSIS W/VACUUM	1NPAL00X17D673738	66,000	DIESEL	326,148.08	
95852	140	07 NH FRT LOADER/BACKHOE W/REAR BUCKET	031065319	0	DIESEL	70,720.00	
						FUEL TYPE TOTAL	
95812	225	08 FORD F250 PICKUP K/CAB	1FTNX20548EC60408	0	PROPANE/GAS	42,978.92	
			11111203405600408	v	FROFANE/GAS	42,978.92 FUEL TYPE TOTAL	
						FOED TIPE TOTA	40
95842	152	96 VACCUM NILFISK GS/83	2100W	0	ELECTRIC	4,923.00	11/08/96
95842	155	98 AMERICAN ELECTRIC SIGN WITH TRAILER	1A9MS1517TA378127	0	ELECTRIC	32,925.89	09/04/98
95842	156	98 AMERICAN ELECTRIC SIGN WITH TRAILER	1A9MS1519TA378128	0	ELECTRIC	32,925.89	09/04/98
95842	158	99 ALLMAND ECLIPSE ARROW BOARDS	9907B407	0	ELECTRIC	6,483.21	08/27/99
95842	159	99 ALLMAND ECLIPSE ARROW BOARDS	9907B408	0	ELECTRIC	6,483.21	08/27/99
95842	166	02 SPEED CONTROL MONITOR W/TRAILER	40XK111S72A020005	2,000	ELECTRIC	11,999.00	06/19/02
95842	167	02 SPEED CONTROL MONITOR W/TRAILER	40XK111S92A020006	2,000	ELECTRIC	11,999.00	06/19/02
95842	171	02 ADDCO MID-SIZE MESSAGE BOARD-TRLR MTD	520280602	0	ELECTRIC	16,100.00	01/08/03
95842	172	02 ADDCO MID-SIZE MESSAGE BOARD-TRLR MTD	520270602	0	ELECTRIC	16,100.00	01/24/03
95842	173	02 ADDCO FULL SIZE MESSAGE BOARD- TRLR MTD	537603	0	ELECTRIC	25,300.00	01/24/03
95842		02 ADDCO FULL SIZE MESSAGE BOARD-TRLR MTD	537604	0	ELECTRIC	25,300.00	01/24/03
95842	178	96 ADDCO FULL SIZE MESSAGE BOARD	DH1000SN584985	3,700	ELECTRIC	37,000.00	
95842	179	98 AMERICAN SIGN SRS MESSAGE BOARD	1A9MS1515TA378126	2,950	ELECTRIC	32,920.00	
						FUEL TYPE TOTA	AL.
91832	127						
91832 94832		00 ZIEMAN TRAILER (BORROW'G FROM HNL)	1ZC729B25PZP17467	0	NOT APPLICABLE	.00	
94832 94832	104 105	90 TRAILER, ZIEMAN TILT BED	1ZCT18E19LZP15973	0	NOT APPLICABLE	6,765.84	07/23/90
94832 94832		93 TRAILER, TRAIL KING TILT	1TKC02422NM071620	0	NOT APPLICABLE	16,256.30	12/29/92
94834 95832	106 109	06 TRAILER, LANDSCAPE UTILITY (MOLOKAI)		880	NOT APPLICABLE	3,541.68	
		96 TRAILER SCALE	1S9EC1615TH364446	0	NOT APPLICABLE	17,014.47	09/03/97
95832	110	99 TRAILER CHILTON	1FDAC0819XC000230	0	NOT APPLICABLE	13,667.00	12/17/99
95832	112	03 ZIEMAN FLATBED TILT TRAILOR	1ZCE18S203ZP24731	0	NOT APPLICABLE	7,291.62	11/05/03
95832	113	04 ZIEMAN TILT TRAILER	1ZCT20E213ZP24741	0	NOT APPLICABLE	6,817.67	07/13/04
95832	115	07 ZIEMAN FLATBED TILT TRAILER (BACON)	12CT21E2X7ZP27665	2,940	NOT APPLICABLE	11,856.00	
95842	184	08 SILENT MESSENGER BOARD	MB32248	0	NOT APPLICABLE	25,535.00	
						FUEL TYPE TOTA	۲.
PERIOD: 07/01/07 THRU 06/30/08

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EQUIPM	ENT	DESCRIPTION	SERIAL NUMBER	GVW	FUEL	COST	DATE
91812	2.4.2						
91812	343 348	86 TRUCK: FORD RANGER PICKUP	1FTBR10T1GUC95174	0	GASOLINE	8,404.65	07/01/86
		87 VAN: FORD E150 CLUBWAGON	1FMEE11HXHHB41247	0	GASOLINE	15,226.09	
91812	368	88 TRUCK: CHEVY FLEETSIDE PICKUP	1GCGC34K1JE208184	0	GASOLINE	14,078.62	09/04/88
91812	371	86 TRUCK: CHEVY PICKUP	1GCDC14H9GJ119460	0	GASOLINE	5,925.00	08/01/88
	376	89 TRUCK: DODGE D350 RAM FLATBED	1B6ME3650KS042168	0	GASOLINE	25,402.60	03/01/89
	378	87 SEDAN: CHEV CAVALIER	1G1JC5110HK140543	0	GASOLINE	5,850.00	04/01/89
	381	89 TRUCK: GMC S15 PICKUP	1GTCS19Z5K8528099	0	GASOLINE	11,487.87	06/01/89
	385	88 WAGON: TOYOTA LAND CRUISER STATION	JT3FJ62G8J0090489	0	GASOLINE	12,069.79	09/01/89
	389	90 VAN: DODGE B350 RAM	2B4KB35Z8LK766974	0	GASOLINE	19,333.07	07/01/90
91812	391	07 SEDAN: CHEV LU	2G1WL54TXL9235401	0	GASOLINE	12,367.83	07/23/90
91812	393	90 SEDAN: CHEV LUMINA	2G1WL54T2L9239149	0	GASOLINE	12,367.83	07/01/90
91812	396	91 TRUCK: CHEVY BLAZER	1GNCS18Z7M0120262	0	GASOLINE	13,936.96	07/01/90
91812	398	90 TRUCK: FORD F350 CREWCAB PICKUP	2FTJW35HXLCA97059	0	GASOLINE	18,518.81	07/01/90
91812	402	91 TRUCK: CHEV S-10 PICKUP	1GCCS19Z3M8133650	0	GASOLINE	11,871.03	07/01/90
91812	407	88 TRUCK: FORD F150 PICKUP	1FTDF15Y1JPA33828	0	GASOLINE	5,500.00	08/01/90
91812	408	88 SEDAN: FORD TEMPO GL	1FAPP36XXJK107875	Ó	GASOLINE	3,000.00	08/01/90
91812	409	84 VAN: DODGE RAM 250	2B4HB21H8EK265362	0	GASOLINE	1,300.00	00,01,00
91812	410	85 VAN: CHEVY G20	1G8EG25N3F7167870	0	GASOLINE	1,300.00	ĺ
91812	418	91 TRUCK: CHEV S-10 PICKUP	1GCCS19Z6M2301283	õ	GASOLINE	12,175.00	
91812	420	01 TRUCK: CHEV SUBURBAN 4 WD	1GNGV26K7MF138634	õ	GASOLINE	19,589.00	07/22/91
91812	425	91 SEDAN: DODGE DYNASTY	1B3XC46R7MD259412	õ	GASOLINE	12,434.48	09/01/91
91812	426	91 VAN: CHEVY ASTRO	1GNDM19Z6MB212142	õ	GASOLINE	17,437.00	10/14/91
91812	432	92 TRUCK: SONOMA S19Z PICKUP	1GTCS19ZXN8515479	õ	GASOLINE	11,965.00	05/01/92
91812	435	92 TRUCK: CHEV SUBURBAN 4 WD W/AIR	1GNGK26KXNJ334168	ő	GASOLINE	21,875.07	07/01/92
91812	436	92 TRUCK: CHEV SUBURBAN 4 WD W/AIR	1GNGK26K5NJ334854	0	GASOLINE	21,875.07	07/01/92
91812	437	92 TRUCK: CHEV SUBURBAN 4 WD W/AIR	1GNGK26K3NJ335839	0	GASOLINE	•	
91812	438	92 SUBURBAN: CHEV 4W/D W/AIR	1GNGK26K1NJ340876	0	GASOLINE	21,875.07	07/01/92
91812	440	92 SUBURBAN: CHEV 4W/D W/AIR	1GNGK26K1NJ341476	ő	GASOLINE	21,875.07	07/01/92
91812	441	92 SUBURBAN: CHEV 4W/D W/AIR	1GNGK26K9NJ341354	0	GASOLINE	21,875.07	07/01/92
	443	92 VAN: CHEVY SPORT	2GNDG15K7N4164196	0	GASOLINE	21,875.07	07/01/92
91812	445	92 TRUCK: CHEV CREWCAB PICKUP	1GCGC33K6NJ350383	0		16,602.59	08/01/92
	449	93 TRUCK: FORD F150 PICKUP		0	GASOLINE	19,962.98	12/01/92
	450	93 TRUCK: FORD F150 FICKUP	1FTDF15Y2PLA66160 1FTDF15Y4PLA66161	0	GASOLINE	10,365.84	05/18/93
	451	93 TRUCK: FORD F150 PICKUP		-	GASOLINE	10,369.84	04/01/93
	452	93 TRUCK: FORD F150 FICKUP	1FTDF15Y6PLA66162	0	GASOLINE	10,369.84	04/01/93
	453	93 TRUCK: FORD F150 FICKUP	1FTDF15Y8PLA66163	0	GASOLINE	10,369.84	04/01/93
	454	93 VAN: FORD AEROSTAR	1FTDF15Y5PLA66167	0	GASOLINE	10,853.44	04/01/93
	455	93 VAN: FORD AEROSTAR 93 VAN: FORD AEROSTAR	1FMCA11U1PZB27844	0	GASOLINE	13,801.84	05/01/93
	458		1FMCA11U5PZB27846	0	GASOLINE	14,351.00	05/01/93
	458	93 STATION WAGON: FORD TAURUS	1FACP57UXPG245846	0	GASOLINE	13,488.80	05/01/93
		93 SEDAN: CHEVROLET LUMINA 4 DR	2G1WL54T3P9206344	0	GASOLINE	11,890.70	05/01/93
	460	93 SEDAN: CHEVROLET LUMINA 4DR	2G1WL54T1P9204866	0	GASOLINE	11,890.70	05/01/93
	461	93 SEDAN: CHEVROLET LUMINA 4 DR	2G1WL54T8P9205142	0	GASOLINE	11,890.70	05/01/93
	462	93 SEDAN: CHEVROLET LUMINA 4 DR	2G1WL54T0P9208147	0	GASOLINE	11,916.75	05/01/93
	468	93 TRUCK: FORD RANGER PICKUP	1FTCR10X7PUC48318	0	GASOLINE	11,059.36	07/01/93
	472	93 TRUCK: FORD RANGER PICKUP	1FTCR10A1PUC48312	0	GASOLINE	9,393.28	05/01/93
	475	93 TRUCK: FORD RANGER PICKUP	1FTCR10A7PUC48315	0	GASOLINE	9,393.28	05/01/93
	477	93 SEDAN: CHEV CAVALIER 4DSD	1G1JC5443P7315150	0	GASOLINE	8,888.00	08/01/93
	480	93 SEDAN: CHEV CAVALIER 4DSD	1G1JC5441P7317057	0	GASOLINE	8,888.00	08/01/93
	481	93 SEDAN: CHEV CAVALIER 4DSD	1G1JC5443P7318341	0	GASOLINE	8,888.00	08/01/93
	482	93 SEDAN: CHEV CAVALIER 4DSD	1G1JC544XP7319129	0	GASOLINE	9,663.00	08/01/93
91812	483	93 SEDAN: CHEV CAVALIER 4DSD	1G1JC5445P7319183	0	GASOLINE	8,888.00	08/01/93

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EOUIP	MENT					ACQUIS	SITION
BQUIE	10011	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
91812		93 SEDAN: CHEV CAVALIER 4DSD	1G1JC5441P7325708	0	GASOLINE	8,888.00	08/01/93
91812		93 SEDAN: CHEV CAVALIER 4DSD	1G1JC5445P7336940	0	GASOLINE	8,888.00	08/01/93
91812	487	93 SEDAN: CHEV CAVALIER	1G1JC5446P7339197	0	GASOLINE	8,888.00	08/01/93
91812	488	93 TRUCK: GMC SUBURBAN 4WD	1GKGK26K1PJ746057	0	GASOLINE	22,422.59	08/01/93
91812	489	94 TRUCK: CHEV S-10 PICKUP	1GCCS1441R8180629	0 0	GASOLINE	10,554.48	06/01/93
91812	491	94 TRUCK: CHEV S-10 PICKUP	1GCCS1441R8178587	ő	GASOLINE	10,553.40	
91812	492	94 TRUCK: CHEV S-10 PICKUP(EXCH FOR 464)	1GCCS1444R8178969	ő	GASOLINE	10,553.40	06/01/94
91812	493	94 TRUCK: CHEV S-10 PICKUP	1GCCS1446R8178794	0	GASOLINE	10,554.49	06/01/94
91812	494	94 TRUCK: CHEV S-10 PICKUP	1GCCS1444R8180074	0	GASOLINE	10,553.40	06/01/94 06/01/94
91812	496	94 TRUCK: CHEVY S-10 PICKUP	1GCCS1449R8180068	0	GASOLINE	10,553.40	·. ·.
91812	500	94 SEDAN: OLDSMOBILE CUTLASS CIERA(EXC 456)	1G3AG55M5R6397806	0	GASOLINE	13,027.13	06/01/94
91812	501	94 STA WGN: OLDSMOBILE CUTLASS CRUISER	1G3AG55M3R6397822	ő	GASOLINE	13,130.25	06/01/94
91812	502	94 STA WGN: OLDSMOBILE CUTLASS CRUISER	1G3AJ85M4R6402884	ů 0	GASOLINE	13,832.34	06/01/94
91812	503	94 STA WGN: OLDSMOBILE CUTLASS CRUISER	1G3AJ85M6R6398806	0	GASOLINE	13,931.29	06/01/94
91812	504	94 STA WGN: OLDSMOBILE CUTLASS CRUISER	1G3AJ85M1R6399216	ő	GASOLINE	13,931.29	06/01/94
91812	505	94 STA WGN: OLDSMOBILE CUTLASS CRUISER	1G3AJ85M0R6399238	ő	GASOLINE	13,906.30	06/01/94
91812	506	94 STA WGN: OLDSMOBILE CUTLASS CRUISER	1G3AJ85M6R6400845	0	GASOLINE		06/01/94
91812	507	94 STA WGN: OLDSMOBILE CUTLASS CRUISER	1G3AJ85M5R6400707	0 0	GASOLINE	13,906.30	06/01/94
91812	508	94 TRUCK: CHEVROLET 1/2 TON PICKUP(EXCH 449	1GCDC14H1RZ217659	0	GASOLINE	13,931.29	06/01/94
91812	511	94 TRUCK: CHEVROLET 1/2 TON PICKUP	1GCDC14H8RZ21738	0		13,667.77	06/01/94
91812	512	94 VAN: GMC SAFARI	1GKDM15Z1RB542846	0	GASOLINE	13,666.77	06/01/94
91812	513	94 VAN: GMC SPORT RALLY	1GKEG25H3RF532871	0	GASOLINE	15,072.96	08/01/94
91812	514	94 STATION WAGON: CHEVROLET CAVALIER	1G1JC8445R7317633	0	GASOLINE	16,144.84	06/01/94
91812	517	94 TRUCK: CHEV PICKUP W/ SKID TRAILER	1GCGC33NORJ408472	-	GASOLINE	11,859.15	06/01/94
91812	518	94 TRUCK: GMC SIERRA CLUB COUPE	1GTHK39F4RE503732	0	GASOLINE	22,682.00	11/01/94
91812	519	85 TRUCK: CHEV 4WD P/U-MILITARY	1GCGD34J2FF434840	0	GASOLINE	143,457.00	09/01/95
91812	520	85 TRUCK: CHEV 4WD P/U-MILITARY	1GCHD34J0FF444366	0	GASOLINE	1,600.00	08/01/96
91812	521	84 TRUCK: CHEV. PICKUP		•	GASOLINE	1,600.00	08/01/96
91812	528	97 TRUCK: CHEV S-10 EXT CAB PICKUP CHEYENNE	1GCHD34J6EF357800 1GCCS19X1VK179464	0	GASOLINE	1,600.00	
91812	529	97 TRUCK: CHEV S-10 EXT CAB PICKUP CHEYENNE	1GCCS19X1VK179464 1GCCS19X2VK179571	0	GASOLINE	17,015.61	04/01/97
91812	530	97 TRUCK: CHEV S-10 EXT CAB PICKUP CHEYENNE	1GCCS19X2VK179571	-	GASOLINE	17,015.61	04/01/97
91812	531	97 TRUCK: CHEV S-10 EXT CAB PICKUP CHEYENNE	1GCCS19X4VK179665	0	GASOLINE	17,015.61	04/01/97
91812	532	97 TRUCK: CHEV S-10 PICK UP		0	GASOLINE	17,171.86	04/01/97
91812	533	97 TRUCK: CHEV S-10 PICK UP	1GCCS14X7V8169705	0	GASOLINE	14,648.95	05/01/97
91812	534	97 TRUCK: CHEV S-10 PICKUP	1GCCS14X3V8170558	0	GASOLINE	14,648.95	05/01/97
91812	535	97 TRUCK: CHEV S-10 PICKUP	1GCCS14X9V8169690	0	GASOLINE	14,648.95	05/01/97
91812		97 TRUCK: CHEV S-10 PICKUP	1GCCS14X2V8169854	0	GASOLINE	14,648.95	05/01/97
91812	538	97 TRUCK: CHEV 1/2 TON PICKUP	1GCCS14X7V8168862	0	GASOLINE	14,648.95	05/01/97
91812	539	85 TRUCK: CHEVROLET PICK UP	1GCEC14M0VZ216420	0	GASOLINE	19,269.78	06/01/97
91812	540	85 TRUCK: CHEVROLET PICK UP 85 TRUCK: CHEVROLET PICKUP	1GCGD34J2FF425426	0	GASOLINE	1,600.00	04/01/97
91812	541	85 TRUCK: CHEVROLET PICKUP	1GCGD34J5FF425498	0	GASOLINE	1,600.00	04/01/97
91812	542	86 TRUCK: CHEVKOLET PICKUP 86 TRUCK: CHEV 4WD P/U- MILITARY	1GCGD34JXFF426761	0	GASOLINE	1,600.00	04/01/97
91812	544	97 VAN: FORD ECONOLINE	1GCGD34J0GF362375	0	GASOLINE	1,600.00	06/01/97
91812	545		1FTHE242XVHB09473	0	GASOLINE	20,000.00	06/01/97
91812	545 546	97 VAN: FORD ECONOLINE 97 VAN: FORD ECONOLINE	1FTHE2421VHB09474	0	GASOLINE	20,000.00	06/01/97
91812			1FTHE2423VHB09475	0	GASOLINE	20,000.00	06/01/97
91812	547 548	96 TRUCK: TOYOTA PICK UP	4TAWN72NXTZ103533	3,670	GASOLINE	15,171.04	06/01/96
91812	548 549	96 TRUCK: TOYOTA FICK UP	4TAWN72NXTZ118386	3,670	GASOLINE	15,171.04	06/01/96
91812	549 553	92 STATION WAGON TOYOTA 4DR LAND CRUISER	JT3FJ80W3N0044046	4,700	GASOLINE	- 00	06/01/92
91812 91812	553 554	98 BLAZER CHEVROLET 4 DR	1GNCS13WXWK245714	0	GASOLINE	23,951.93	06/01/98
	554 556	92 WAGON: FORD EXPLORER STATION WAGON	1FMD432X1NUC59187	0	GASOLINE	.00	06/01/92
91817	220	98 SEDAN: CHEVROLET CAVALIER 4 DR.	3G1JC5243WS862406	0	GASOLINE	17,807.18	06/01/98

PERIOD: 07/01/07 THRU 06/30/08

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EQUIPMENT         DESCRIPTION         SEELL NUMBER.         GVW         FUEL         COST         DATE           93811         564         95         SEDAMA         CUBRIC CORSTCA 4 DR.         1011055M9727131838         0         GASOLINE         6,100.00         66/01/95           93812         565         95         SEDAMA         CUBRIC CARL         1011055M472748534         0         GASOLINE         6,100.00         66/01/95           93812         567         95         FEUCK. FORD RANGER         1011055M472748534         0         GASOLINE         1.00         06/01/95           93812         575         95         FRUCK. FORD RANGER         1PTREISUMERADSIG         0         GASOLINE         1.00         06/01/95           93812         575         95         FRUCK. FORD RANGER         1PTREISUMERADSIG         0         GASOLINE         1.00         06/01/95           93813         576         90         TRUCK. FORD RANGER         1RANGESTICASIG         0         GASOLINE         1.00         06/01/95           93813         577         90         TRUCK. FORD RANGER         1.00         1.00         1.00         06/01/95           93814         570         0         GASOLINE         1	EQUIP	MENT					ACQUIS	SITION
9:18:12         5:65         9:5         SEEDAN:         12:11:05:MF37271833         0         GASCLINE         6,100.00         0:6/01/95           9:18:12         5:67         9:5         SEEDAN:         CENTRON CENTROL 10:00         0:6/01/95           9:18:12         5:67         9:5         SEEDAN:         CENTROL 10:00         0:6/01/95           9:18:12         5:67         9:5         SEEDAN:         CENTROL 10:00         0:6/01/95           9:18:12         5:70         9:5         TRUCK: FORD BANGER         IPTERLIDUMENDSIAT         0         0:6/01/95           9:18:12         5:70         9:5         TRUCK: FORD BANGER         IPTERLIDUMENDSIAT         0         CASCLINE	Leon		DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
93812         565         95         SERAN.         CHEWROLFT CORSICA 4 DE.         1011DeSSM69723133         0         0         0.100.00         06/01/93           93812         567         95         SERAN.         CHEWROLFT CAPRICE 4DR.         1011DESSM697234394         0         CABOLINE         6.00.00         66/01/93           93812         567         95         SERAN.         CHEWROLFT CAPRICE 4DR.         1011DESSM69724394         0         CABOLINE         1.000.00         66/01/93           93812         557         95         TRUCK, FORD BANGER         IPTERISUMPA05345         0         CABOLINE         .00         66/01/93           93812         577         95         TRUCK, FORD BANGER         IPTERISUMPA05346         0         CABOLINE         .00         66/01/93           93812         577         9         TRUCK, FORD BANGER FLOC, IP         IPTERISUMPA05346         0         CABOLINE         .00         66/01/93           93812         580         0         MACOLINE         IAMONISMITIBAILINE         ICABOLINE         .00         66/01/93           93812         580         0         MACOLINE         1.00         66/01/93         .00         FORDINE         .00         66/01/93	91812	564	95 SEDAN: CHEVROLET CORSICA 4 DR.	1G11D55M7SV271838	•	CACOL THE	<i>.</i>	
93812         566         95         SEEN.         CHEWOLGET CORSIGN 4 DR.         1011.DESM427284594         00.000.01100         01.00.00         06/01/93           93812         567         95         SEEN.         CHEWOLGET CORSIGN 4 DR.         1011.DESM427284573         0         CABOLINE         1.10.00         06/01/93           93812         570         95         TRUCK FORD RANGER         IPTERISUMPROS145         0         CABOLINE         .00         06/01/93           91812         571         96         TRUCK FORD RANGER         IPTERISUMPROS145         0         CABOLINE         .00         06/01/93           91812         573         97         TRUCK FORD RANGER FUCK UP         IPTERISUMPROS146         CABOLINE         1.00         06/01/03           91812         573         95         SEDANI FORD TANGEN FUCK UP         IPTERISUMPROS146         CABOLINE         1.00         06/01/00           91812         563         0         TRUCK GOR CALL         DAL MARCES         IPTERISUMPROS146         CABOLINE         1.00         06/01/00           91812         564         0         TRUCK GOR CALL         DAL MALES         MARCES         1.00         06/01/01           91812         567         TRUCK GOR CALL<								
91812         567         95         SEDAN.         CHEVROLET CAPRICE 4DR.         10181230081813723         0         0         0.100.00         0         0.101.00         0         0.101.00         0         0.101.00         0         0.101.00         0         0.101.00         0 <th0< th=""> <th0< th="">         0        &lt;</th0<></th0<>	91812	566						
9312.2         569         99         TRUCK: FORD RANGER         IPTRISIMETORIST         0         0.03011NB         1.00         06/01/95           9312.2         57.0         99         TRUCK: FORD RANGER         IPTRISIMETORIST         0         GASCILINS         .00         06/01/95           9312.2         57.7         95         TRUCK: FORD RANGER         IPTRISIMETORIST         0         GASCILINS         .00         06/01/95           9312.2         57.7         95         SEDAN: FORD TAURUS 4 DR.         IPTRISIMETORISA10.0         GASCILINS         .00         06/01/95           9312.2         57.9         00         VAN: CHEVROLFT ADR. MALIBU         NILCIDES.2497626443         0         GASCILINS         1.00         06/01/00           9312.2         58.0         00         TRUCK: GMC 2-15 FU         IOTTTJ\$9078270070         0         GASCILINS         1.00         06/01/00           9312.2         58.4         00         TRUCK: GMC 2-15 FU         IOTTTJ\$907827039         0         GASCILINS         1.00         06/01/01           9312.2         58.0         00         TRUCK: GMC 2-15 FU         IOTTTJ\$907827039         0         GASCILINS         1.00         06/01/01           9312.2         54.9	91812	567			-			
9412         570         94         TRUCK: FORD MAYNE REPLORER         IPTRISUMPRO5347         0         GASOLINE         0.0         06/01/98           91412         575         94         TRUCK: FORD MAYNE REPLORER         INRUL4SMUJ420055         0         GASOLINE         0.0         06/01/98           91412         575         94         TRUCK: FORD TANNES 4 DR.         INRUL4SPUL420055         0         GASOLINE         0.0         06/01/98           91412         579         00         VAR: CHEVKOLET ASTRO         IARIMISMISIBILGE         0         GASOLINE         1.00         06/01/00           91412         560         00         BEINM: CHEVKOLET ASTRO         IARIMISMISIBILGE         0         GASOLINE         1.00         06/01/00           91412         563         00         BEINM: CHEVROLET ASTRO         IARIMISMISIBILGE         0         GASOLINE         1.00         06/01/01           91412         563         03         TRUCK DOGE ALTS         IARIMISMISSIBILGE         0         GASOLINE         1.00         06/01/01           91412         637         04         TRUCK DOGE ALTS         IARIMISSIBILGE         0         GASOLINE         1.00         06/01/01           91412         640	91812	569					•	· · ·
93412         571         96         TRUCK: FORD ANDRE EVICK UP         IPTRISUGAPUNDIOS         0         0.00         0.0/01/98           93412         578         95         TRUCK: FORD ANDRES PICK UP         IPTRISUGAPUNDIOS         0         0.00         0.0/01/98           93412         578         95         SEDNA: FORD TAURUS 4 DR.         IPALPENIDAZIANTE         0         0.00         0.0/01/98           93412         580         00         WACOM: JEEP CHEROKEE MYN 4 DR.         1.14FTR35UGHNOSTANTE         0         GASCLINE         1.00         0.0/01/91           93412         581         00         TRUCK: GMC 3-15 FU         1.07TTJ9W1267003         0         GASCLINE         1.0.00         0.0/01/00           93412         581         00         TRUCK: GMC 3-15 FU         1.07TTJ9W1267003         0         GASCLINE         1.0.00         0.0/01/00           93412         550         01         SERDAN: FORD TAURUS 4 DR         1.07TJ9W1267033         0         GASCLINE         2.1.025.00         0.0/01/01           93412         640         05         SERDAN: FORD TAURUS 4 DR         1.07TJ9W1267033         0         GASCLINE         2.1.05.00         0.0/01/01           93412         640         05 <t< td=""><td>91812</td><td>570</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	91812	570						
91812         2575         98         TRUCK. PORD BANGER PICK UP         1PTREINGERAD3146         0         080/01/98           91812         577         90         VAN. CHEVROLET ASTRO         1ANTM91VB181166         0         0ASCUINE         6,500.00         06/01/98           91812         577         00         VAN. CHEVROLET ASTRO         1ANTM91VB181166         0         0ASCUINE         100,100.00         06/01/09           91812         581         00         REGON JEEP CHENCKER MVR4 10R.         11447736321406971         0         0ASCUINE         1.00         06/01/00           91812         583         00         TRUCK. GRC 2-15 PU         107TT1948042370039         0         0ASCUINE         1.00         06/01/09           91812         595         01         SEDAN: CHEVROLET 4 DON IMPALA         2014F55819344274         4,423         0ASCUINE         5,900.00         06/01/93           91812         637         04         TRUCK. GOCS DAKOTA 4DR         1D7MAG845451854071         4,423         0ASCUINE         22,653.21         2/0/074           91812         637         04         TRUCK. GOCS DAKOTA 4DR         1D7MAG8454518546718546         0         0ASCUINE         23,55.29         12/30/05           91812         <	91812	571			-			
91812         578         95 SEDAN. FORD TAURUS 4 DR.         IFALPEQUISALIANTS         0         06/01/95           91812         570         0 VAN. CHEVROLET ASTRO         IAMMUS MYIENBILIG         0         GASOLINE         100,100.00         6/01/05           91812         580         00 WAGGN. JEEP CHERCKEE MYNY 4 DR.         IAMMUS MYIENSILG         0         GASOLINE         128,103.05         6/01/05           91812         581         00 SECAN. CHEVROLET A DR. MALIBU         SNICINES/200656443         0         GASOLINE         1.00         6/01/05           91812         581         00 TRUCK. GWC 2-15 UL         ICTUTY MWYEA57348         0         GASOLINE         1.00         6/01/05           91812         510         SEDAN. FORD TAIRUS 4 DOR IMPALA         201WF53513344274         4,423         GASOLINE         2.025.00         6/01/05           91812         615         95 ERDAN. FORD TAIRUS 4 DOR IMPALA         201WF53513344274         4,423         GASOLINE         2.025.00         6/01/05           91812         617         04 TRUCK. DODGE FLOOP CHEUP         1DTHAIGNISTOF3280         GASOLINE         2.025.00         6/01/05           91812         676         05 TRUCK. DODGE FLOOP CHEUP         1DTHAIGNISTOF4298         GASOLINE         2.1,76.93	91812	575						
93812         579         00         VAN: CHEVEGLET ASTRO         100701/911161166         GASOLINE         8.00.00         06/01/90           93812         580         00         RAGONIN JEDE CHENCREE MVH 4 DR.         1147T363211008971         GASOLINE         120,100         06/01/00           93812         580         00         SEDAN.         CHENROLET 4 DR. MALIBU         SNIG110523976356433         GASOLINE         1.00         06/01/00           93812         582         00         TRUCK. GRC 2-15 FU         10777194807837039         GASOLINE         1.00         06/01/01           93812         533         00         TRUCK. GRC 2-15 FU         107715947830757328         0         GASOLINE         21,0025         06/01/01           93812         657         01         SEDAN. FOR TARUEN 4 DR         1077834874370475         3,220         GASOLINE         21,025.00         06/01/01           93812         676         05         STUCK. DOOGE FLOCED PLOCUP         107781487156429         0         GASOLINE         23,152.31         21/0705           938122         676         05         STUCK. FORE EARDER FU         11978148715764295         0         GASOLINE         23,152.31         21/30/05           93122         676	91812	578			-			
91812         2580         00         WARGON JEEP CIERCOREN MYPH 4 DR.         114F7282211208971         0         GENGLINK         100,100.00         06/01/00           91812         552         00         TRUCK I GWC S-15 FU         10077739WF8267397         0         GAROLINK         1.7,485.30         06/01/00           91812         583         00         TRUCK I GWC S-15 FU         1077739WF8267397         0         GAROLINK         1.00         06/01/00           91812         584         01         TRUCK I GWC S-15 FU         1077739WF8267338         0         GAROLINK         1.00         06/01/03           91812         587         01         SEDANI FORD TAURUS 4 DOR         1PALF944X81210475         3.22         GAROLINK         21,025.00         06/01/03           91812         673         04         TRUCK DORDE DAURDER         1D7MAJSKA45718546         0         GAROLINK         22,859.23         12/09/04           91812         676         05         TRUCK PORD EXPLORER         1D7MAJSKA45718546         0         GAROLINK         23,152.93         92/29/05           91812         674         05         SUVF NORD EXPLORER         11971414515428         0         GAROLINK         21,30/05           91812	91812	579			-			
93812         581         00         SED.M:         CLUCKIC (SMC S-15 FU         ICTUTISMOVR237039         CASOLING         17.455.30         06/01/00           93812         582         00         TRUCK: GMC S-15 FU         ICTUTISMOVR237039         GASOLING         1.00         06/01/00           93812         583         00         TRUCK: GMC S-15 FU         ICTUTISMOVR237039         GASOLINE         1.00         06/01/03           93812         537         01         SED.M. CHEVROLET 4 DOOR IMFALA         201MP558913244274         4,423         GASOLINE         22,659.23         12/09/04           93812         637         04         TRUCK DODES DAKOTA 4DR         ID7MBJRKATSI1846         0         GASOLINE         22,659.23         12/09/04           93812         676         5 SUV.F. PORD EXPLORER         ID7MBJRKATSI1846         0         GASOLINE         23,352.98         0/29/29/05           93812         676         05         SUV.F. PORD EXPLORER         IDTMBJRKATSI18464         0         GASOLINE         21,105.80         12/30/05           93812         677         02         SEDAN: OLDSMOBILE ALERO         IGSML5PESC244433         0         GASOLINE         7,150.00         0/3/3/07           93812         679	91812	580			-			
93812         552         00         TRUCK: GMC 2-15 PU         IDTTIJ9W93870030         GASULINE         1.00         G6/01/00           93812         553         00         TRUCK: GMC 2-15 PU         IDTTIJ9W93870039         GASULINE         1.00         G6/01/00           93812         554         03         TRUCK: DODGE         PICKUP         IDTTIJ9W93870039         GASULINE         1.00         G6/01/00           93812         557         01         SEDAN: FORD TAURUS 4 DR         IDTMESTAB13444714         4,433         GASULINE         21,025.00         O6/01/01           93812         657         05         STUCK: DODGE PICTUP         IDTMESTAB2464         0         GASULINE         22,859.23         12/09/04           93812         676         05         STUCK: FORD FANGRE FU         IPTTMAUSZASUBSES9         GASOLINE         23,156.29         03/13/05           93812         677         02         SEDAN: OLDSMOBILE ALERO         IG3ML52F82C25330         GASOLINE         7,150.00         03/13/07           93812         663         UF ORD EXPEDITION KLS 4X4         IPMPU455GLA83461         GASOLINE         7,150.00         03/13/07           93812         693         05         SUF ORD EXPEDITION KLS 4X4         IPMPU455GLA83461	91812	581	00 SEDAN: CHEVROLET 4 DR. MALTBU					
91812         553         00         TRUCK: GWC 2-15         FU         10717194002370039         0         GMSULING         1.00         06/01/00           91812         554         01         SEDAN: CEUVED D250         RAM         1B7U236K5P237238         0         GASOLINE         1.00         06/01/00           91812         555         01         SEDAN: CEUVED D26         PACOR         IPALA         201WF55813344274         4/433         GASOLINE         2.00         06/01/05           91812         637         04         TRUCK DODGE PACOR         AR         IPALPS4485718546         GASOLINE         2.3,852.31         0.06/01/05           91812         676         05         SUCK: DODE PACOR         IPMUEAK45185464         GASOLINE         2.3,176.93         1.2/09/05           91812         676         05         SUCK: NODE PAKORR         IPMUEAK45U858639         GASOLINE         2.1,16.93         1.2/30/05           91812         677         02         SEDAN: OLDSMOBILE ALERO         IGMUESPEC243343         0         GASOLINE         7.150.00         0.3/13/07           91812         679         02         SEDAN: OLDSMOBILE ALERO         IGMUESPEC243344         0         GASOLINE         37,117.26         0.1/23/07	91812	582	00 TRUCK: GMC S-15 PU		-			
91812         584         93         TRUCK: DODGE PICKUP D250 RAM         ID70E3GX5952728         GASOLINE         1.00         06/01/03           91812         550         01 ESDAN: CHEVROLET 4 DOOR IMPALA         201WF5581394474         4,423         GASOLINE         2,000         06/01/03           91812         610         95         SEDAN: CHEVROLET 4 DOOR IMPALA         201WF5581394474         4,423         GASOLINE         2,959.33         12/09/04           91812         657         04         TRUCK: DOOR DANORA AD         IDTHAIGKES599         GASOLINE         23,352.39         09/29/05           91812         676         05         STUCK: FORD RANGER RU         IPTTEAGKES59230         GASOLINE         23,176.33         12/09/04           91812         676         05         STUCK: FORD RANGER RU         IPTTEAGKES59230         GASOLINE         7,150.00         03/13/07           91812         679         02         SEDAN: OLDSMOBLE ALERO         IG3ML52F92C2444334         GASOLINE         7,150.00         03/13/07           91812         691         05         SUV FORD EXPEDITION XLS 4X4         IPMEU4450GLA83461         GASOLINE         7,117.36         01/22/07           91812         692         6         SUV FORD EXPEDITION XLS 4X4	91812	583					1.00	06/01/00
93812         555         01         SEDAN: CHEVROLET 4 DOOR IMPALA         2018/05/01/01         31.00.00         06/01/31           93812         610         95         SEDAN: FORD TAURUS 4 DR         1PALP524X8323447         4,423         GASOLINE         21,025.00         06/01/31           93812         610         95         SEDAN: FORD TAURUS 4 DR         1DTHAISKAST18546         0         GASOLINE         21,025.00         06/01/31           93812         676         05         STUCK: DODGE DAKOTA AR         1DTHAISKAST18546         0         GASOLINE         23,152.39         09/29/05           93812         676         05         STUCK: FORD RANGER PU         1PTTRA4U25FASIT11         GASOLINE         23,176.00         03/13/07           93812         678         05         SEDAN: OLDSMOBILE ALERO         103ML52F32C243324         GASOLINE         7,150.00         03/13/07           93812         691         05         SUV FORD EXPEDITION XL5 4X4         1PMEU459GLA83463         GASOLINE         7,117.26         01/22/07           93812         693         06         SUV FORD EXPEDITION XL5 4X4         1PMEU457GLA83461         GASOLINE         7,117.26         01/22/07           93812         695         05         SUV FORD EXPEDITION X	91812	584			-			06/01/00
93812       610       95       SEDAN: FORD TAURUS 4 DR       IPALDE324320475       3,220       GASOLINE       1.00       06/01/95         93812       655       05       TRUCK DODGE DAKOTA 4DR       ID7HG38K845718546       0       GASOLINE       22,855.23       12/05/04         93812       676       05       TRUCK: DODGE EXPLORER       ID7HG38K845718546       0       GASOLINE       23,176.93       12/30/05         93812       676       05       TRUCK: FORD RANGER FU       IPTTA41255846711       0       GASOLINE       23,176.93       12/30/05         93812       676       05       TRUCK: FORD RANGER FU       IPTTA4125578204403       0       GASOLINE       7,150.00       03/13/07         93812       678       02       SEDAN: OLDSMOBILE ALERO       IG3NL52F92C244324       0       GASOLINE       7,150.00       03/13/07         93812       691       06       SUV FORD EXPEDITION XLS 4X4       IPMPU14596LA83461       0       GASOLINE       37,117.26       01/22/07         93812       693       06       SUV FORD EXPEDITION XLS 4X4       IPMPU14596LA83461       0       GASOLINE       37,117.26       01/22/07         93812       694       06       SUV FORD EXPEDITION XLS 4X4       IPMPU1	91812	595	01 SEDAN: CHEVROLET 4 DOOR IMDALA		-			06/01/93
91812         637         04         TBUCK DODGE DAKOTA 4DR         1DFML954X8345718546         0 GASOLINE         2.650.31         12/09/04           91812         655         05         TRUCK. DODGE DICKUP         1D/HALGM15/064298         0 GASOLINE         22.852.31         12/09/04           91812         676         05         TRUCK. FORD RANGER         1PWL02X45UB86599         0 GASOLINE         23.352.98         09/29/05           91812         676         05         TRUCK. FORD RANGER PU         1FTTR44U2SFR81711         0 GASOLINE         21.155.80         12/30/05           91812         677         02         SEDAN: OLDSMOBILE ALERO         103ML52F82C255380         0 GASOLINE         7.150.00         03/13/07           91812         6610         05         WV FORD EXPEDITION XLS 4X4         1PMPU1450GLA83463         0 GASOLINE         7,117.26         01/22/07           91812         693         06         SUV FORD EXPEDITION XLS 4X4         1PMPU1450GLA83463         0 GASOLINE         37,117.26         01/22/07           91812         694         06         SUV FORD EXPEDITION XLS 4X4         1PMPU1450GLA83463         0 GASOLINE         37,117.26         01/22/07           91812         694         06         SUV FORD EXPEDITION XLS 4X4			95 SEDAN. FORD TAILDIG 4 DR				21,025.00	06/01/01
91812         655         0.5         TRUCK DODE FISOD FICKUP         ID/MS368459/18446         0         GASOLINE         22,659.23         12/09/04           91812         674         05         SUV. FORD EXFLORER         IPMZUCZASUB86599         0         GASOLINE         23,176.93         12/30/05           91812         676         05         TRUCK. FORD EXFLORER         IPMZUCZASUB86599         0         GASOLINE         23,176.93         12/30/05           91812         677         02         SEDAN: OLDSMOBILE ALERO         IG3ML52F82C244324         0         GASOLINE         7,150.00         03/13/07           91812         663         04         VFORD EXFEDITION XLS 4X4         IPMPUL4506LA83462         0         GASOLINE         7,150.00         03/13/07           91812         693         06         SUV FORD EXFEDITION XLS 4X4         IPMPUL4506LA83462         0         GASOLINE         37,117.26         01/22/07           91812         694         06         SUV FORD EXFEDITION XLS 4X4         IPMPUL4576LA83464         0         GASOLINE         37,117.26         01/22/07           91812         697         06         SUV FORD EXFEDITION XLS 4X4         IPMPUL4576LA83465         0         GASOLINE         37,117.26         01/22/07 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>06/01/95</td>								06/01/95
91812         674         0.5         SUV: FORD EXPLORER         ID/MAIGRISH04298         0         GASOLINE         23,352.98         09/29/05           91812         676         0.5         TRUCK: FORD RANCER FU         IPTTRA4UZSRASUB6599         GASOLINE         23,176.93         11/30/05           91812         678         0.2         SEDAN: OLDSMOBILE ALERO         IG3NL52F82C255380         GASOLINE         7,150.00         03/13/07           91812         679         0.2         SEDAN: OLDSMOBILE ALERO         IG3NL52F82C244324         GASOLINE         7,150.00         03/13/07           91812         691         0.6         SUV FORD EXPEDITION XLS 4X4         IPMPUL450GLA83462         GASOLINE         7,117.26         01/22/07           91812         693         0.6         SUV FORD EXPEDITION XLS 4X4         IPMPUL450GLA83462         GASOLINE         37,117.26         01/22/07           91812         694         0.6         SUV FORD EXPEDITION XLS 4X4         IPMPUL451GLA83459         GASOLINE         37,117.26         01/22/07           91812         696         SUV FORD EXPEDITION XLS 4X4         IPMPUL451GLA83459         GASOLINE         37,117.26         01/22/07           91812         696         SUV FORD EXPEDITION XLS 4X4         IPMPUL451GLA83459						GASOLINE	22,859.23	12/09/04
91812         676         05         TRUCK INGER HU         IPRUGEXRUBBES59         0         GASOLINE         23,176.93         12/30/05           91812         678         02         SEDAN: OLDSMOBILE ALERO         IG3NL52F32C5380         0         GASOLINE         21,158.00         03/13/07           91812         678         02         SEDAN: OLDSMOBILE ALERO         IG3NL52F32C344403         0         GASOLINE         7,150.00         03/13/07           91812         691         05         SUV FORD EXPEDITION XLS 4X4         IPMPUL450CLR34461         0         GASOLINE         7,117.26         01/22/07           91812         693         06         SUV FORD EXPEDITION XLS 4X4         IPMPUL450CLR3461         0         GASOLINE         37,117.26         01/22/07           91812         693         06         SUV FORD EXPEDITION XLS 4X4         IPMPUL452CLR3464         0         GASOLINE         37,117.26         01/22/07           91812         695         06         SUV FORD EXPEDITION XLS 4X4         IPMPUL452CLR3456         0         GASOLINE         37,117.26         01/22/07           91812         697         05         SUV FORD EXPEDITION XLS 4X4         IPMPUL452CLR3456         0         GASOLINE         37,117.26         01/22/07 <td></td> <td></td> <td>05 SIN: FORD FYDIOPER</td> <td></td> <td>-</td> <td></td> <td>23,352.98</td> <td>09/29/05</td>			05 SIN: FORD FYDIOPER		-		23,352.98	09/29/05
91812         678         0.2 SEDAN: OLDSMOBILE ALERO         1PTYR41295A81711         0         GASOLINE         21,195.80         123/3/05           91812         679         0.2 SEDAN: OLDSMOBILE ALERO         1G3NL52F82C243403         0         GASOLINE         7,150.00         03/13/07           91812         661         0.2 SEDAN: OLDSMOBILE ALERO         1G3NL52F92C244403         0         GASOLINE         7,150.00         03/13/07           91812         661         0.2 SEDAN: OLDSMOBILE ALERO         1G3NL52F92C244403         0         GASOLINE         7,117.26         01/22/07           91812         691         0.5 GUV FORD EXPEDITION XLS 4X4         1PMPU1457GLA83461         0         GASOLINE         37,117.26         01/22/07           91812         695         0.5 UV FORD EXPEDITION XLS 4X4         1PMPU1457GLA83461         0         GASOLINE         37,117.26         01/22/07           91812         695         0.5 UV FORD EXPEDITION XLS 4X4         1PMPU1457GLA83456         0         GASOLINE         37,117.26         01/22/07           91812         696         GUV FORD EXPEDITION XLS 4X4         1PMPU1457GLA83456         0         GASOLINE         37,117.26         01/22/07           91812         707         08 TRUCK 07 F155 W/LIFT GATE <td< td=""><td></td><td></td><td></td><td></td><td></td><td>GASOLINE</td><td>23,176.93</td><td>12/30/05</td></td<>						GASOLINE	23,176.93	12/30/05
91812         679         02         SEDAN:         0.1DSMOSHLE ALERO         1GSMD52752244303         0         GASOLINE         7,150.00         03/13/07           91812         680         02         SEDAN:         0.1DSMOSHLE ALERO         1GSML52752244304         0         GASOLINE         7,150.00         03/13/07           91812         691         05         SUV FORD EXPEDITION XLS 4X4         1FMPU1459GLA83462         0         GASOLINE         37,117.26         01/22/07           91812         692         06         SUV FORD EXPEDITION XLS 4X4         1FMPU1457GLA83461         0         GASOLINE         37,117.26         01/22/07           91812         693         06         SUV FORD EXPEDITION XLS 4X4         1FMPU1457GLA83459         0         GASOLINE         37,117.26         01/22/07           91812         695         06         SUV FORD EXPEDITION XLS 4X4         1FMPU1457GLA83456         0         GASOLINE         37,117.26         01/22/07           91812         696         SUV FORD EXPEDITION XLS 4X4         1FMPU1457GLA83455         0         GASOLINE         37,117.26         01/22/07           91812         70         05         SUV FORD EXPEDITION XLS 4X4         1FMPU145GLA83465         0         GASOLINE         37,11					-	GASOLINE	21,195.80	12/30/05
91812         680         02         DESINT: OLDEMOBILE ALERO         IGML52F3/C244433         0         GASOLINE         7,150.00         03/13/07           91812         691         06         SUV FORD EXPEDITION NLS 4X4         IFMPU1459GLA83463         0         GASOLINE         37,117.26         01/22/07           91812         691         06         SUV FORD EXPEDITION NLS 4X4         IFMPU1459GLA83462         0         GASOLINE         37,117.26         01/22/07           91812         693         06         SUV FORD EXPEDITION XLS 4X4         IFMPU1459GLA83465         0         GASOLINE         37,117.26         01/22/07           91812         694         06         SUV FORD EXPEDITION XLS 4X4         IFMPU1459GLA83465         0         GASOLINE         37,117.26         01/22/07           91812         696         06         SUV FORD EXPEDITION XLS 4X4         IFMPU1455GLA83455         0         GASOLINE         37,117.26         01/22/07           91812         696         06         SUV FORD EXPEDITION XLS 4X4         IFMPU1455GLA83455         0         GASOLINE         37,117.26         01/22/07           91812         707         08         SUV FORD EXPEDITION XLS 4X4         IFMPU1455GLA83455         0         GASOLINE         37,117.26 <td></td> <td></td> <td>02 SEDAN: OLDSMOBILE ALERO</td> <td></td> <td>0</td> <td>GASOLINE</td> <td>7,150.00</td> <td>03/13/07</td>			02 SEDAN: OLDSMOBILE ALERO		0	GASOLINE	7,150.00	03/13/07
91812         691         0.6         SUV FORD EXPEDITION XLS 4X4         1PMPU4506LA33463         0         GASOLINE         7,150.00         03/13/07           91812         692         06         SUV FORD EXPEDITION XLS 4X4         1PMPU4506LA33462         0         GASOLINE         37,117.26         01/22/07           91812         692         06         SUV FORD EXPEDITION XLS 4X4         1PMPU4576LA33462         0         GASOLINE         37,117.26         01/05/07           91812         694         06         SUV FORD EXPEDITION XLS 4X4         1PMPU4576LA33458         0         GASOLINE         37,117.26         01/05/07           91812         695         06         SUV FORD EXPEDITION XLS 4X4         1PMPU4576LA33458         0         GASOLINE         37,117.26         01/22/07           91812         697         06         SUV FORD EXPEDITION XLS 4X4         1PMPU4556LA33465         0         GASOLINE         37,117.26         01/22/07           91812         70         06         SUV FORD EXPEDITION XLS 4X4         1PMPU4556LA34365         GASOLINE         37,117.26         01/22/07           91812         710         08         SUV FORD EXPEDITION XLS 4X4         1PMPU4556LA83465         GASOLINE         37,117.26         01/22/07					-	GASOLINE	7,150.00	03/13/07
91812       692       06       SUV FORD EXPEDITION XLS 4X4       IPMPU4596LA83463       0       GASOLINE       37,117.26       01/22/07         91812       693       06       SUV FORD EXPEDITION XLS 4X4       IPMPU4596LA83461       0       GASOLINE       37,117.26       01/05/07         91812       695       06       SUV FORD EXPEDITION XLS 4X4       IPMPU4596LA83465       0       GASOLINE       37,117.26       01/05/07         91812       695       06       SUV FORD EXPEDITION XLS 4X4       IPMPU4556LA83464       0       GASOLINE       37,117.26       01/22/07         91812       696       06       SUV FORD EXPEDITION XLS 4X4       IPMPU456LA83465       0       GASOLINE       37,117.26       01/22/07         91812       697       06       SUV FORD EXPEDITION XLS 4X4       IPMPU456LA83465       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07 F15.0 W/LIFT GATE       IPMFU125VCX7RD42204       0       GASOLINE       40,702.47       03/14/08         91812       714       08       SUV FORD EXPEDITION XLS 4X4       IPMEU350840315851       0       GASOLINE       40,762.47       03/14/08         91812       10       08       SUV FORD EXPEDITION X					0	GASOLINE	7,150.00	03/13/07
91812       693       06       SUV FORD EXPEDITION XLS 4X4       IFMPU14596LA83462       0       GASOLINE       37,117.26       01/22/07         91812       694       06       SUV FORD EXPEDITION XLS 4X4       IFMPU14576LA83464       0       GASOLINE       37,117.26       01/05/07         91812       696       06       SUV FORD EXPEDITION XLS 4X4       IFMPU14576LA83464       0       GASOLINE       37,117.26       01/22/07         91812       697       06       SUV FORD EXPEDITION XLS 4X4       IFMPU14576LA83465       0       GASOLINE       37,117.26       01/22/07         91812       697       06       SUV FORD EXPEDITION XLS 4X4       IFMPU14576LA83465       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07       F150       W/LIFT GATE       IFMPU14576LA83465       0       GASOLINE       37,117.26       01/22/07         91812       710       08       SUV FORD EXPEDITION XLS 4X4       IFMPU1456LA83465       0       GASOLINE       37,117.26       01/22/07         91812       710       08       SUV FORD EXPEDITION XLS 4X4       IFMPU1456LA83465       0       GASOLINE       37,117.26       01/22/07         91812       710       08 <td></td> <td></td> <td>OG SUV FORD EXPEDITION XLS 4X4</td> <td></td> <td>0</td> <td>GASOLINE</td> <td>37,117.26</td> <td></td>			OG SUV FORD EXPEDITION XLS 4X4		0	GASOLINE	37,117.26	
91812       05       05       SUV FORD EXPEDITION XLS 4X4       1FMPU14576LA83461       0       GASOLINE       37,117.26       01/05/07         91812       695       06       SUV FORD EXPEDITION XLS 4X4       1FMPU14576LA83459       0       GASOLINE       37,117.26       01/05/07         91812       696       06       SUV FORD EXPEDITION XLS 4X4       1FMPU14576LA83458       0       GASOLINE       37,117.26       01/22/07         91812       697       06       SUV FORD EXPEDITION XLS 4X4       1FMPU14576LA83458       0       GASOLINE       37,117.26       01/22/07         91812       697       06       SUV FORD EXPEDITION XLS 4X4       1FMPU14576LA83460       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07 F150 W/LIFT GATE       1FMFL10556LA83460       0       GASOLINE       40,702.47       03/14/08         91812       712       08       SUV FORD EXPEDITION 1MFKL6558LA08808       1FMFL10556LA83461       0       GASOLINE       41,086.76       04/21/08         91812       714       08       SUV FORD EXPEDITION 1MFKL6558LA08808       1FMFL10558LA08808       0       GASOLINE       30,756.42       05/28/08         91822       10       08 <td< td=""><td></td><td></td><td></td><td></td><td>0</td><td>GASOLINE</td><td>37,117.26</td><td>01/22/07</td></td<>					0	GASOLINE	37,117.26	01/22/07
91812       054       05       504       054       05       504       06       SUV FORD EXPEDITION XLS 4X4       1FMPU14526LA83464       0       GASOLINE       37,117.26       01/02/07         91812       695       06       SUV FORD EXPEDITION XLS 4X4       1FMPU14526LA83464       0       GASOLINE       37,117.26       01/22/07         91812       697       06       SUV FORD EXPEDITION XLS 4X4       1FMPU14556LA83460       0       GASOLINE       37,117.26       01/22/07         91812       696       OE VU FORD EXPEDITION XLS 4X4       1FMPU14556LA83465       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07       F150       W/LIFT GATE       1FTRF12VX7K042204       GASOLINE       40,702.47       03/14/08         91812       714       08       SUV FORD EXPEDITION IMFK16558LA08808       1FMFK16558LA08808       GASOLINE       30,756.92       05/12/08         91812       714       08       SUV FORD EXPEDITE VITUTIY 14X4       1FMEU73808UA15851       GASOLINE       30,756.42       05/28/08         91822       163       81       FORKLIFT: TOYOTA       2FG3020424       GASOLINE       20,046.00       09/01/95         91822       216				1FMPU14576LA83461	0	GASOLINE	37,117.26	
91812       035       06       SUV FORD EXPEDITION XLS 4X4       1FMPU1452GLA83464       0       GASOLINE       37,117.26       01/22/07         91812       696       06       SUV FORD EXPEDITION XLS 4X4       1FMPU1455GLA83458       0       GASOLINE       37,117.26       01/22/07         91812       697       06       SUV FORD EXPEDITION XLS 4X4       1FMPU1455GLA83465       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07 F150 W/LIFT GATE       1FTRF12VX7KD42204       0       GASOLINE       40,702.47       03/14/08         91812       710       08       SUV FORD EXPEDITION INFK16558LA08808       1FMFK16558LA08808       0       GASOLINE       40,702.47       03/14/08         91812       712       08       SUV FORD EXPEDITED IN IFMFK16558LA08808       1FMEU73E08UA15852       0       GASOLINE       30,756.42       05/28/08         91822       108       SUV FORD EXPEDITET TOUTA       2FG3020424       0       GASOLINE       30,756.42       05/28/08         91822       126       92       FORKLIFT: XALE FORKLIFT TRUCK       N523949       0       GASOLINE       80,861.00       09/01/95         91822       225       77       FORKLIFT: ALISCHALMERS ACC-40B				1FMPU14596LA83459	0	GASOLINE	37,117.26	
91812       65       06       SUV FORD       EXPEDITION XLS 4X4       1FMPU14576LA83458       0       GASOLINE       37,117.26       01/22/07         91812       697       06       SUV FORD       EXPEDITION XLS 4X4       1FMPU14556LA83460       0       GASOLINE       37,117.26       01/22/07         91812       698       06       SUV FORD       EXPEDITION XLS 4X4       1FMPU14556LA83465       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07       F150       W/LIFT GATE       1FTP12VX7KD42204       0       GASOLINE       37,117.26       01/22/07         91812       710       08       SUV FORD EXPEDITION XLS 4X4       1FMPU14556LA83468       0       GASOLINE       37,117.26       01/22/07         91812       710       08       SUV FORD EXPEDITION XLS 4X4       1FMPU14556LA83468       0       GASOLINE       37,117.26       01/22/07         91812       714       08       SUV FORD EXPEDITION TMLS 4X4       1FMEU736D42204       0       GASOLINE       40,702.47       03/14/08         91822       163       81       FORKLIFT: TOYOTA       2F03020424       0       GASOLINE       17,115.00       06/01/81         91822 <td< td=""><td></td><td></td><td></td><td>1FMPU14526LA83464</td><td>0</td><td>GASOL INE</td><td></td><td></td></td<>				1FMPU14526LA83464	0	GASOL INE		
91812       697       06       SUV FORD EXPEDITION XLS 4X4       1FMPU14556LA83460       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07 F150 W/LIFT GATE       1FMPU14546LA83465       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07 F150 W/LIFT GATE       1FMF12XX7K042204       0       GASOLINE       40,0702.47       03/14/08         91812       710       08       SUV FORD EXPEDITION 1FMFK16558LA08808       1FMFK16558LA08808       0       GASOLINE       40,0702.47       03/14/08         91812       712       08       SUV FORD EXFLORER 4X4       1FMEU73E08UA15852       0       GASOLINE       30,756.92       05/12/08         91822       163       81       FORKLIFT: TOYOTA       2FG0320424       0       GASOLINE       17,115.00       06/01/81         91822       2196       92       FORKLIFT: TYLE FORKLIFT TRUCK       N523949       0       GASOLINE       80,861.00       09/01/92         91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40E PS       102871       0       GASOLINE       1,500.00       06/01/77         91822       225       77       FORKLIFT: ALLSCHALMERS ACC-40E PS				1FMPU14576LA83458	0	GASOLINE		
91812       636       06       SOV FORD EXPEDITION XLS 4X4       1FMPU14546L83465       0       GASOLINE       37,117.26       01/22/07         91812       707       08       TRUCK 07 F150 W/LIFT GATE       1FTRF12VX7KD42204       0       GASOLINE       40,702.47       03/14/08         91812       710       08       SUV FORD EXPEDITION IMPKI6558LA08808       1FTRF12VX7KD42204       0       GASOLINE       40,702.47       03/14/08         91812       712       08       SUV FORD EXPEDITION IMPKI6558LA08808       1FMFK16558LA08808       0       GASOLINE       40,702.47       03/14/08         91812       714       08       SUV FORD EXPLORER 4X4       1FMEU73E08UA15852       0       GASOLINE       30,756.42       05/28/08         91822       163       81       FORKLIFT: TOYOTA       2FG3020424       0       GASOLINE       20,046.00       09/01/92         91822       220       94       TRUCK: GMC       1GDM7H1J8RJ502423       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40 BPS       102871       0       GASOLINE       900.00       06/01/77         91822       229       77       FORKLIFT: ALLISCHALMERS ACC-40 BPS				1FMPU14556LA83460	0	GASOLINE		
91812       707       08       TRUCK 07       F150       W/LIFT GATE       1FTRF12VX7KD42204       0       GASOLINE       40,702.47       03/14/08         91812       710       08       SUV FORD EXPLORER AX4       1FMEU73E08UA15852       0       GASOLINE       41,086.76       04/21/08         91812       714       08       SUV FORD EXPLORER SPORT UTILITY 4X4       1FMEU73E08UA15852       0       GASOLINE       30,756.42       05/28/08         91812       714       08       SUV FORD EXPLORER SPORT UTILITY 4X4       1FMEU73E98UA15851       0       GASOLINE       30,756.42       05/28/08         91822       163       81       FORKLIFT: TOYOTA       2FG3020424       0       GASOLINE       17,115.00       06/01/81         91822       220       94       TRUCK: GMC       1GDM7H13RJ502423       32,000       GASOLINE       80,861.00       09/01/95         91822       221       94       TRUCK: GMC       1GDM7H13RJ502423       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40 PS       102871       0       GASOLINE       1,500.00       06/01/77         91842       169       84       KELLY-CRESWELL STRIPING M				1FMPU14546LA83465	0	GASOLINE		
91812       710       08       SUV FORD EXPEDITION INMERIESSELA08808       1FMFR16558LA08808       0       GASOLINE       41,086.76       04/21/08         91812       712       08       SUV 00 BEXPLORER 4X4       1FMEU73E08UA15852       0       GASOLINE       30,756.92       05/12/08         91812       714       08       SUV FORD EXPLORER SPORT UTILITY 4X4       1FMEU73E08UA15851       0       GASOLINE       30,756.42       05/28/08         91822       163       81       FORKLIFT: TOYOTA       2FG3020424       0       GASOLINE       17,115.00       06/01/81         91822       2196       92       FORKLIFT: TALE FORKLIFT TRUCK       N523949       0       GASOLINE       20,046.00       09/01/95         91822       220       94       TRUCK: GMC       1GDMTHLJ3RJ501258       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40 PS       102871       0       GASOLINE       1,500.00       06/01/77         91842       169       84       KELLY-CRESWELL STRIPING MACHINE       3623       0       GASOLINE       9,994.40       11/01/84         91842       196       90       MOWER: CUBCADET POWER       0.05877521				1FTRF12VX7KD42204	0			
91812       712       08       SUV 08       FORD EXPLORER 4X4       1FMEU73E08UA15852       0       GASOLINE       30,756.92       05/12/08         91812       714       08       SUV FORD EXPLORER SPORT UTILITY 4X4       1FMEU73E98UA15851       0       GASOLINE       30,756.42       05/12/08         91822       163       81       FORKLIFT: TOYOTA       2FG3020424       0       GASOLINE       17,115.00       06/01/81         91822       196       92       FORKLIFT: YALE FORKLIFT TRUCK       N523949       0       GASOLINE       20,046.00       09/01/92         91822       220       94       TRUCK: GMC       1GDM7HLJ8RJ502423       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40E PS       102871       0       GASOLINE       900.00       06/01/77         91822       229       77       FORKLIFT: ALLISCHALMERS ACC-40BPS       102871       0       GASOLINE       9,994.40       11/01/84         91842       172       86       MSETIFING MACHINE       3-0584       0       GASOLINE       3,533.76       08/01/90         91842       196       90       MOWER: CUBCADET POWER       05077521       0 <td></td> <td></td> <td>08 SUV FORD EXPEDITION 1FMFK16558LA08808</td> <td>1FMFK16558LA08808</td> <td>0</td> <td></td> <td></td> <td></td>			08 SUV FORD EXPEDITION 1FMFK16558LA08808	1FMFK16558LA08808	0			
91812       714       08       SUV FORD EXPLORER SPORT UTILITY 4X4       1FMEU73E98UA15851       0       GASOLINE       30,756.42       05/28/08         91822       163       81       FORKLIFT: TOYOTA       2FG3020424       0       GASOLINE       17,115.00       06/01/81         91822       196       92       FORKLIFT: YALE FORKLIFT TRUCK       N523949       0       GASOLINE       20,046.00       09/01/92         91822       220       94       TRUCK: GMC       1GDM7H1J3RJ501258       32,000       GASOLINE       80,861.00       09/01/95         91822       221       94       TRUCK: GMC       1GDM7H1J3RJ501258       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40E PS       102871       0       GASOLINE       900.00       06/01/77         91842       169       84       KELLY-CRESWELL STRIPING MACHINE       3-0584       0       GASOLINE       2,784.09       06/01/86         91842       196       90       MOWER: CUBCADET POWER       000189371       0       GASOLINE       2,698.80       06/01/91         91842       214       94       MACHINE STRIPING KELLY CRESWELL       KCB42T       0 <td< td=""><td></td><td></td><td></td><td>1FMEU73E08UA15852</td><td>ō</td><td></td><td>•</td><td></td></td<>				1FMEU73E08UA15852	ō		•	
91822       163       81       FORKLIFT: TOYOTA       2FG3020424       0       GASOLINE       17,115.00       06/11/81         91822       196       92       FORKLIFT: YALE FORKLIFT TRUCK       NS23949       0       GASOLINE       17,115.00       06/01/81         91822       220       94       TRUCK: GMC       1GDM7H1J8RJ502423       32,000       GASOLINE       80,861.00       09/01/92         91822       221       94       TRUCK: GMC       1GDM7H1J3RJ502423       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40 PS       102821       0       GASOLINE       90.00       06/01/77         91842       169       84       KELLY-CRESWELL STRIPING MACHINE       3623       0       GASOLINE       9,994.40       11/01/84         91842       172       86       MB STRIPING MACHINE       3-0584       0       GASOLINE       2,784.09       06/01/81         91842       196       90       MOWER: CUBCADET POWER       000189371       0       GASOLINE       3,533.76       08/01/86         91842       214       94       MACHINE STRIPING KELLY CRESWELL       KCE42T       0       GASOLINE       19,344.			08 SUV FORD EXPLORER SPORT UTILITY 4X4	1FMEU73E98UA15851	0			
91822       196       92       FORKLIFT: YALE FORKLIFT TRUCK       N523949       0       GASOLINE       20,046.00       09/01/92         91822       220       94       TRUCK: GMC       1GDM7HLJ8RJ502423       32,000       GASOLINE       80,861.00       09/01/95         91822       221       94       TRUCK: GMC       1GDM7HLJ3RJ501258       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40B PS       10282       0       GASOLINE       90.00       06/01/77         91822       229       77       FORKLIFT: ALLSCHALMERS ACC-40BPS       102871       0       GASOLINE       9.094.40       11/01/84         91842       172       86       ME STRIPING MACHINE       3-0584       0       GASOLINE       2,598.40       06/01/91         91842       196       90       MOWER: CUECADET POWER       05077521       0       GASOLINE       3,593.76       08/01/90         91842       214       94       MACHINE STRIPING KELLY CRESWELL       KCB42T       0       GASOLINE       19,344.11       02/01/94         91842       239       96       GENERATOR, HONDA GA-6HZ       5131560       0       GASOLINE       2			81 FORKLIFT: TOYOTA		-			
91822       220       94 TRUCK: GMC       1GDM7H1J8RJ502423       32,000       GASOLINE       80,861.00       09/01/95         91822       221       94 TRUCK: GMC       1GDM7H1J8RJ501258       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77 FORKLIFT: ALIS CHALMERS ACC-40B PS       102882       0       GASOLINE       900.00       06/01/77         91842       169       84 KELLY-CRESWELL STRIPING MACHINE       3623       0       GASOLINE       9,994.40       11/01/84         91842       172       86 MB STRIPING MACHINE       3623       0       GASOLINE       2,784.09       06/01/86         91842       196       90 MOWER: CUBCADET POWER       000189371       0       GASOLINE       3,593.76       08/01/90         91842       214       94 MACHINE STRIPING KELLY CRESWELL       KCB42T       0       GASOLINE       2,698.80       06/01/91         91842       229       96 GENERATOR, HONDA GA-6HZ       5131560       0       GASOLINE       2,945.00       12/01/94         91842       239       96 MIXER, BETONIERA WORKMAN 250 CONCRETE       123789       0       GASOLINE       2,945.00       12/01/01/98         91842       239       98 STRIPING MACHINE KEL			92 FORKLIFT: YALE FORKLIFT TRUCK		-			
91822       221       94 TRUCK: GMC       1GDM7H1J3RJ501258       32,000       GASOLINE       80,861.00       09/01/95         91822       225       77 FORKLIFT: ALIS CHALMERS ACC-40E PS       10282       0       GASOLINE       80,861.00       09/01/95         91822       225       77 FORKLIFT: ALIS CHALMERS ACC-40E PS       10282       0       GASOLINE       900.00       06/01/77         91842       169       84 KELLY-CRESWELL STRIPING MACHINE       3623       0       GASOLINE       9,994.40       11/01/84         91842       172       86 MB STRIPING MACHINE       3623       0       GASOLINE       2,784.09       06/01/86         91842       196       90 MOWER: CUBCADET POWER       000189371       0       GASOLINE       2,698.80       06/01/90         91842       214       94 MACHINE STRIPING KELLY CRESWELL       KCB42T       0       GASOLINE       2,698.80       06/01/91         91842       229       96 GENERATOR, HONDA GA-6HZ       5131560       0       GASOLINE       2,945.00       12/01/94         91842       235       96 MIXER, BETONIERA WORKMAN 250 CONCRETE       123789       0       GASOLINE       2,945.00       12/01/96         91842       236       98 STRIPING MACHINE		220	94 TRUCK: GMC		-			
91822       225       77       FORKLIFT: ALIS CHALMERS ACC-40B PS       102882       0       GASOLINE       900.00       06/01/77         91822       229       77       FORKLIFT: ALLISCHALMERS ACC-40BPS       102871       0       GASOLINE       1,500.00       06/01/77         91822       169       84       KELLY-CRESWELL STRIPING MACHINE       3623       0       GASOLINE       9,994.40       11/01/84         91842       172       86       MB STRIPING MACHINE       3-0584       0       GASOLINE       2,784.09       06/01/91         91842       196       90       MOWER: CUBCADET POWER       000189371       0       GASOLINE       3,533.76       08/01/90         91842       214       94       MACHINE STRIPING KELLY CRESWELL       KCE42T       0       GASOLINE       2,945.00       12/01/94         91842       239       96       GENERATOR, HONDA GA-6HZ       5131560       0       GASOLINE       2,945.00       12/01/94         91842       235       96       MIXER, BETONIERA WORKMAN 250       CONCRETE       123789       0       GASOLINE       2,945.00       12/01/96         91842       239       98       STRIPING MACHINE KELLY CRESWELL HDCT-2       8007       0	91822	221	94 TRUCK: GMC		-		•	
91822       229       77       FORKLIFT: ALLISCHALMERS ACC-40EPS       102871       0       GASOLINE       1,500.00       06/01/77         91842       169       84       KELLY-CRESWELL STRIPING MACHINE       3623       0       GASOLINE       1,500.00       06/01/77         91842       172       86       MS STRIPING MACHINE       3-0584       0       GASOLINE       2,784.09       06/01/86         91842       196       90       MOWER: CUBCADET POWER       000189371       0       GASOLINE       3,593.76       08/01/90         91842       202       91       MOWER: SNAPPER POWER       05077521       0       GASOLINE       2,698.80       06/01/91         91842       229       96       GENERATOR, HONDA GA-GHZ       5131560       0       GASOLINE       19,344.11       02/01/94         91842       235       96       MIXER, BETONIERA WORKMAN 250       CONCRETE       123789       0       GASOLINE       2,442.96       01/01/98         91842       235       96       MIXER, BETONIERA WORKMAN 250       CONCRETE       123789       0       GASOLINE       2,442.96       01/01/98         91842       236       98       STRIFING MACHINE KELLY CRESWELL HDCT-2       8007	91822	225	77 FORKLIFT: ALIS CHALMERS ACC-40B PS					
91842       169       84 KELLY-CRESWELL STRIPING MACHINE       3623       0       GASOLINE       9,994.40       11/01/84         91842       172       86 MB STRIPING MACHINE       3-0584       0       GASOLINE       9,994.40       11/01/84         91842       196       90 MOWER: CUBCADET POWER       000189371       0       GASOLINE       3,593.76       08/01/90         91842       202       91 MOWER: SNAPPER POWER       05077521       0       GASOLINE       2,698.80       06/01/91         91842       214       94 MACHINE STRIPING KELLY CRESWELL       KCB42T       0       GASOLINE       19,344.11       02/01/94         91842       229       96 GENERATOR, HONDA GA-6HZ       5131560       0       GASOLINE       2,945.00       12/01/96         91842       239       96 MIXER, BETONIERA WORMAN 250 CONCRETE       123789       0       GASOLINE       2,442.96       01/01/98         91842       239       98 STRIPING MACHINE KELLY CRESWELL HDCT-2       8007       0       GASOLINE       17,290.70       06/01/98         91842       263       99 STRIPING MACHINE, ME WOLWER 512       100 2001020       0       GASOLINE       17,290.70       06/01/98	91822	229	77 FORKLIFT: ALLISCHALMERS ACC-40BPS					
91842       172       86 MB STRIPING MACHINE       3-0584       0       GASOLINE       2,784.09       06/01/86         91842       196       90 MOWER: CUBCADET POWER       000189371       0       GASOLINE       2,784.09       06/01/86         91842       202       91 MOWER: SNAPPER POWER       05077521       0       GASOLINE       2,698.80       06/01/91         91842       214       94 MACHINE STRIPING KELLY CRESWELL       KCB42T       0       GASOLINE       19,344.11       02/01/94         91842       229       96       GENERATOR, HONDA GA-6HZ       5131560       0       GASOLINE       2,945.00       12/01/96         91842       235       96       MIXER, BETONIERA WORKMAN 250 CONCRETE       123789       0       GASOLINE       2,442.96       01/01/98         91842       239       98       STRIPING MACHINE KELLY CRESWELL HDCT-2       8007       0       GASOLINE       17,290.70       06/01/91         91842       263       99       STRIPING MACHINE KELLY CRESWELL HDCT-2       8007       0       GASOLINE       17,290.70       06/01/98	91842	169	84 KELLY-CRESWELL STRIPING MACHINE					
91842       196       90 MOWER: CUBCADET POWER       000189371       0       GASOLINE       3,533.76       08/01/86         91842       202       91 MOWER: SNAPPER POWER       05077521       0       GASOLINE       2,698.80       06/01/91         91842       214       94 MACHINE STRIPING KELLY CRESWELL       KCB42T       0       GASOLINE       19,344.11       02/01/94         91842       229       96       GENERATOR, HONDA GA-6HZ       5131560       0       GASOLINE       2,945.00       12/01/94         91842       235       96       MIXER, BETONIERA WORKMAN 250 CONCRETE       123789       0       GASOLINE       2,442.96       01/01/98         91842       239       98       STRIPING MACHINE KELLY CRESWELL HDCT-2       8007       0       GASOLINE       17,290.70       06/01/98         91842       263       99       STRIPING MACHINE KELLY CRESWELL HDCT-2       8007       0       GASOLINE       17,290.70       06/01/98	91842	172			-			
91842       202       91 MOWER: SNAPPER POWER       05077521       0       0       GASOLINE       2,698.80       06/01/90         91842       214       94 MACHINE STRIPING KELLY CRESWELL       KCB42T       0       GASOLINE       19,344.11       02/01/94         91842       229       96       GENERATOR, HONDA GA-6HZ       5131560       0       GASOLINE       2,945.00       12/01/94         91842       235       96       MIXER, BETONIERA WORKMAN 250 CONCRETE       123789       0       GASOLINE       2,442.96       01/01/98         91842       263       99       STRIPING MACHINE, ME W/DOWED DITUE 10,00120       0       GASOLINE       17,290.70       06/01/98	91842	196						
91842         214         94 MACHINE STRIPING KELLY CRESWELL         KCB42T         0         GASOLINE         19,344.11         02/01/94           91842         229         96         GENERATOR, HONDA GA-6HZ         5131560         0         GASOLINE         19,344.11         02/01/94           91842         235         96         MIXER, BETONIERA WORKMAN 250         CONCRETE         123789         0         GASOLINE         2,442.96         01/01/98           91842         239         98         STRIPING MACHINE KELLY CRESWELL HDCT-2         8007         0         GASOLINE         2,442.96         01/01/98           91842         263         99         STRIPING MACHINE KELLY CRESWELL HDCT-2         8007         0         GASOLINE         17,290.70         06/01/98	91842	202			-			
91842         229         96         GENERATOR, HONDA GA-6HZ         5131560         0         GASOLINE         2,945.00         12/01/96           91842         235         96         MIXER, BETONIERA WORKMAN 250         CONCRETE         123789         0         GASOLINE         2,945.00         12/01/96           91842         239         98         STRIPING MACHINE KELLY CRESWELL HDCT-2         8007         0         GASOLINE         2,442.96         0/01/98           91842         263         99         STRIPING MACHINE KELLY CRESWELL HDCT-2         8007         0         GASOLINE         17,290.70         06/01/98	91842	214			-		•	
91842         235         96         MIXER,         BETONIERA         WORKMAN         250         CONCRETE         123789         0         GASOLINE         2,442.96         0/10/98           91842         239         98         STRIFING MACHINE         KELLY         CRESWELL         HDCT-2         8007         0         GASOLINE         2,442.96         0/10/98           91842         263         99         STRIFING MACHINE         KELLY         CRESWELL         HDCT-2         8007         0         GASOLINE         17,290.70         06/01/98           91842         263         99         STRIFING MACHINE         MERUTE         100011021         0         GASOLINE         17,290.70         06/01/98	91842	229			-			
91842         239         98         STRIPING MACHINE KELLY CRESWELL HDCT-2         8007         0         GASOLINE         2,442.96         01/01/98           91842         263         99         STRIPING MACHINE. ME W/DOWED DIVESTICATION         0         GASOLINE         17,290.70         06/01/98	91842	235						
91842 263 99 STRIPTING MACHINE, ME W/DOWED DUTY 5 10 20001107								
0 GASOLINE 11,467.00 06/01/99				2000/12002	•			
	_		The second and the second drive 5-12	3770412/1	0	GASOLINE	11,467.00	06/01/99

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PERIOD: 07/01/07 THRU 06/30/08

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EQUIPM	IENT	DESCRIPTION			ACQUISI	
-20111		DESCRIPTION	IAL NUMBER GV	FUEL	COST	DATE
91842	276	03 TRAILER: SPECTRUM W/CHEM SPRAYER TANK 159	ES16163H364226	GASOLINE		
91842					.00	06/01/97
91842	278	00 STRIPING MACHINE: KELLY CRESWELL HDCT SN8 00 STRIPING MACHINE: KELLY CRESWELL HDCT 817		GASOLINE	13,956.72	06/01/97
91842		03 STRIPPING MACHINE: KELLY CRESWELL B4-2T 837			13,956.72	06/01/97
91842				0	29,725.14	10/30/03
91842			ES14146H364223		31,340.00	05/01/07
91842		06 ERADICATOR ROBIN MOD 20H W/VACUUM	J1002570		6,495.00	02/16/07
91842			(		9,979.98	02/16/07
91842			14166H364224	0.000000000	31,340.00	05/01/07
91842			3892078 (		2,548.08	02/16/07
91862			35707 (		25,812.33	09/07/07
91862		87 ADVANCE INDUSTRIAL SWEEPER 215	-,		18,705.15	07/01/87
91862			0-1132 2,600		29,421.21	04/01/99
			0-1437 (		26,562.33	03/31/00
91862	119	06 FORKLIFT KOMATSU FG30HT-14 2043	327A (	GASOLINE	30,728.97	02/13/07
					FUEL TYPE TOTA	L, ·
91812	522	97 TRUCK: CHEV CREW CAB PICK UP CHEYENNE 1GC				
91812	523		GC33F0VF028201 (		27,121.70	06/01/97
91812	524		GC33F4VF028153 (		27,121.70	04/01/97
91812			GC33F8VF028205 (		27,121.70	04/01/97
91812	526	97 TRUCK: CHEV PICKUP CHEYENNE 1GCC	GC33F0VF027212 (		27,121.70	04/01/97
91812	526 527		GC33F7VF027398 (	010000	27,121.70	04/01/97
		97 TRUCK: CHEV CREWCAB PICKUP 1GCC	GC33F8VF027488 (		26,600.88	04/01/97
91812			HG39F0V1053533 9,500		50,770.80	06/01/97
91812 91812	550		GC33F5WF061065 (		31,621.33	06/01/98
	551		GC33F5WF061549 (	DIESEL	31,828.68	06/01/98
91812			GC33F0WF061927 0	DIESEL	31,829.66	06/01/98
91812	555		HK33FOXF006639 10,000	DIESEL	76,347.44	06/01/99
91812	557		GK26F8XG206132 0	DIESEL	33,848.74	06/01/99
91812	558	99 TRUCK: GMC SIERRA CREW CAB 1GTH	HC33F9XF012988 0	DIESEL	41,843.36	06/01/99
91812	559		HC33F9XF013235 0	DIESEL	41,843.36	06/01/99
91812			GC33F7XF060677 0	DIESEL	32,011.25	06/01/99
91812	561	99 TRUCK: CHEVROLET FLEETSIDE CREWCAB P/U 1GCC	GC33F3XF059719 0	DIESEL	32,115.42	06/01/99
91812			HC33F1XF010491 10,000	DIESEL	41,843.36	06/01/99
91812	577	00 TRUCK: GMC UTILITY BODY 1GDF	HC34F3YF415392 10,000	DIESEL	45,694.48	06/01/00
91812	585		GC33F0YF496692 9,000	DIESEL	33,906.03	06/01/00
91812	586	01 TRUCK: GMC 2500HD P/U 1GTH	HC24101E216685 9,200	DIESEL	33,246.44	06/01/01
91812	587	01 TRUCK: GMC 2500 HD P/U W/ARROW BOARD 1GTH	HC24111E216114 9,200	DIESEL	35,423.92	06/01/01
91812	588	01 TRUCK: GMC 2500 HD P/U W/LIFT GATE 1GTH	HC24171E218322 9,200	DIESEL	35,605.21	06/01/01
91812	594	01 TRUCK: GMC STAKE W/LIFT GATE 1GDJ	JC34171F141030 11,400	DIESEL	41,569.91	06/01/01
91812	596	01 TRUCK: FORD PICKUP W/EXT. CAB ONE TON 1FTW	WX32F41EC51441 11,000	DIESEL	32,714.45	06/01/01
91812	597		WX32F61EC51442 11,000	DIESEL	32,714.45	06/01/01
91812	598		WX32F81EC51443 11,000	DIESEL	32,714.45	06/01/01
91812	599		WX32F41EC51444 11,000	DIESEL	32,714.45	06/01/01
91812	600		WX32F11EC51445 11,000	DIESEL	32,714.25	06/01/01
91812	601		WX32F21EC51440 11,000	DIESEL	32,714.45	06/01/01
91812	602		WX32F31EC51446 11,000	DIESEL	32,610.44	06/01/01
91812	603		WX32F51EC51447 11,000	DIESEL	32,610.44	06/01/01
91812	605		WW32F51EC84032 11,000		•	
91812	606	· · · · · · · · · · · · · · · · · · ·		DIESEL	35,510.40	06/01/01
91812	607			DIESEL	33,246.44	06/01/01
91812				DIESEL	35,349.81	06/01/01
22012		12 INCOM, LOND ONE ION DITITIT FICKOP IFDW	VF32F91EC47609 11,000	DIESEL	35,349.81	06/01/01

PERIOD: 07/01/07 THRU 06/30/08

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						ACQUIS	ITION
EQUIPM	1ENT	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
91812		01 VAN: CHEVROLET FULL SIZE MODEL 3500	1GAHG35F611235570	9,500	DIESEL	30,117.00	06/01/01
91812		01 TRUCK: GMC W/AERIAL	3GDKC34F41M115307	15,000	DIESEL	98,393.22	03/27/02
91812		02 TRUCK: FORD ONE TON PU W/EXT. CAB	1FTWX32FX2EC50960	11,500	DIESEL	32,736 18	08/23/02
91812		02 TRUCK: FORD ONE TON PU W/EXT. CAB	1FTWX32F12EC50961	11,500	DIESEL	32,736.18	08/23/02
91812	615	02 TRUCK: FORD ONE TON PU W/EXT. CAB	1FTWX32F32EC50962	11,500	DIESEL	32,736.18	08/23/02
91812		02 TRUCK: FORD ONE TON PU W/EXT. CAB	1FTWX32F52EC50963	11,500	DIESEL	32,736.18	08/23/02
91812		02 TRUCK: FORD ONE TON PU W/EXT. CAB	1FTWX32F72EC50964	11,500	DIESEL	32,736.18	08/23/02
91812	620	02 VAN: CHEV 3500 FULL SIZE	1GNHG35F721243001	9,500	DIESEL	27,785.00	09/12/02
91812		02 VAN: CHEV. 3500 15 PASSENGER	1GAHG39F651243664	9,500	DIESEL	28,925.00	09/12/02
91812	622	03 TRUCK: FORD 4DR EXCURSION MPVH	1FMSU41P03ED13424	7,650	DIESEL	39,993.77	12/08/03
91812		03 TRUCK: FORD EXCURSION 4 DR MPVH	1FMSU41P43ED13426	7,650	DIESEL	39,993.77	12/08/03
91812	624	03 TRUCK: FORD 4DR EXCURSION MPVH	1FMSU41P63ED13427	7,650	DIESEL	39,993.77	12/08/03
91812		03 TRUCK: FORD 350 PICKUP W/CREW CAB	1FTWW32P53ED35668	11,500	DIESEL	36,186.18	12/08/03
91812	629	04 TRUCK: FORD EXCURSION 4X4 SPORT UTIL.	1FMSU41P94ED77883	0	DIESEL	40,060.64	11/18/04
91812	630	04 TRUCK: CHEV CREWCAB F350 4X2	1FTWW32P94ED29681	0	DIESEL	32,609.15	11/16/04
91812	631	04 TRUCK: FORD F350 CREW CAB	1FTWW32P04ED29682	ő	DIESEL	32,609.15	11/16/04
91812	632	04 TRUCK: FORD 4X2 CREW CAB	1FTWW32P24ED29683	0	DIESEL	32,609.14	11/16/04
91812	633	04 TRUCK: FORD F350 CREWCAB	1FTSF30P84ED37126	ŏ	DIESEL	30,848.43	11/16/04
91812	646	04 TRUCK: FORD F350 PICKUP	1FTWF32P84EE0972	6,640	DIESEL	29,107.05	08/10/05
91812	647	04 TRUCK: FORD F350 PICKUP	1FTSF31P64EE09701	0,040	DIESEL	31,165.37	09/09/05
91812	648	05 VAN: FORD E350	1FMNE31P45HA02083	0	DIESEL	29,407.10	08/17/05
91812	649	05 VAN: FORD E350	JFMNE31P65HA02084	0	DIESEL	29,407.11	08/17/05
91812	662	06 TRUCK: FORD PU	1FTSF30P46EA19555	0	DIESEL	29,407.11	12/29/05
91812	663	06 TRUCK: FORD PU	IFTSF30P66EA19556	0	DIESEL	29,770.77	12/29/05
91812	664	06 TRUCK: FORD PU	1FTSF30P86EA19557	0	DIESEL		
91812		06 TRUCK: FORD PU	1FTSF30PX6EA19558	0	DIESEL	29,770.77	12/29/05
91812	666	06 TRUCK: FORD PU	1FTSF30P16EA19559	0	DIESEL	29,770.77 29,770.77	12/29/05
91812	667	06 TRUCK; FORD PU	1FTSF30P86EA19559	0			12/29/05
91812	668	06 TRUCK FORD PU	1FTSF30PX6EA19561	0	DIESEL	29,770.77	12/29/05
91812	669	06 TRUCK: FORD PU F350		0	DIESEL	29,770.74	12/30/05
91812		06 TRUCK: FORD PU	1FTSF30P16EA19562		DIESEL	29,770.77	12/29/05
91812	671	06 TRUCK: FORD PU	1FTSF30P36EA19563	0	DIESEL	29,770.77	12/29/05
91812		06 TRUCK: FORD PU	1FTSF30P56EA19564	•	DIESEL	29,770.77	12/29/05
91812 91812	672	06 TRUCK: FORD PU	1FTSF30P76EA19565	0	DIESEL	29,770.77	12/29/05
91812 91812			1FTSF30P75ED36700	0	DIESEL	29,770.77	12/29/05
91812	702	06 TRUCK FORD F350 PU W/LIFT GATE	1FTWF30P96EA26082	0	DIESEL	36,706.92	02/23/06
91812 91812	702	06 TRUCK FORD 06 F350 PU	1FTWF30P66ED69920	0	DIESEL	30,931.75	04/21/07
		06 TRUCK FORD F350 PU	1FTWF30P66ED69917	0	DIESEL	30,931.75	04/19/07
91812	704	06 TRUCK FORD F350 PU	1FTWF30P56ED69908	0	DIESEL	30,931.75	04/19/07
91812	705	07 TRUCK FORD 06 F350 PU	TWF30P66ED69898	0	DIESEL	30,931.75	04/19/07
91812	706	06 TRUCK FORD F350	1FDWF30P66ED72523	0	DIESEL	35,603.52	07/17/07
91822	176	86 TRUCK: INT'L 50' AERIAL UTILITY	1HTLCHYN8GHA16614	35,000	DIESEL	79,044.16	01/01/84
91822	177	86 TRUCK: INTERNATIONAL FLATBED	1HTLDTVR2GHA58770	35,000	DIESEL	45,221.28	01/01/86
91822	180	87 TRUCK: THERMO-LAY ASPHALT	1FDWT74P6HVA64443	23,100	DIESEL	54,587.00	02/01/88
91822	181	89 TRACTOR: KENWORTH TANDEM TRUCK	1XKWD29X5KS524167	56,860	DIESEL	71,788.76	05/01/89
91822	182	90 TRUCK: INTL STAKE TRUCK W/ HYD TAILGATE	1HTSAZRL5LH224932	24,160	DIESEL	30,973.91	09/01/89
91822	184	90 TRUCK: INTERNATIONAL 2-1/2 CY DUMP TRUCK	1HTSAZPL2LH229525	24,160	DIESEL	30,448.89	09/01/89
91822	188	91 TRUCK: MACK 10 CY DUMP TRUCK	1M2AY80C5MM005596	56,540	DIESEL	68,348.13	01/01/91
91822	189	91 TRUCK: MACK 10 CY DUMP TRUCK	1M2AY80C7MM005597	56,540	DIESEL	68,348.14	01/01/91
91822	193	91 TRUCK: CHEV KODIAK 2 1/2 CY DUMP	1GBK6H1JXMJ111673	24,260	DIESEL	35,143.19	11/01/91
91822	194	91 TRUCK: CHEV KODIAK 2 1/2 CY DUMP	1GBK6H1J0MJ111732	24,260	DIESEL	35,664.04	11/01/91
91822	195	91 TRUCK: CHEV KODIAK 2 1/2 CY DUMP	1GBK6H1J3MJ111806	24,260	DIESEL	35,143.19	11/01/91
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EQUIPM	IENT	DES	SCRIPTI	ION	SERIAL NUMBER	GVW	FUEL	COST	DATE
91822	197	0.2	ייסווסייע.						
91822	197			: INT'L STAKE W/HYD TAILGATE : INT'L BITUMIOUS TANK	1HTSCPEL6PH469510	25,500	DIESEL	37,762.57	11/01/92
91822	201				1HTSDPPN2PH472254	28,080	DIESEL	78,157.00	11/01/92
91822	201			GMC 7CY DUMP	1GDP7H1J3NJ525485	35,000	DIESEL	45,289.00	11/01/92
91822	203			PETERBILT U/BRDG REACHAL CRANE357	AXPALBOX2PN331520	77,000	DIESEL	417,261.89	12/01/92
91822 91822	204			INTERNATIONAL DUMP 10 CY	1HTGGA2T6RH571307	56,000	DIESEL	70,727.99	01/01/94
91822 91822	205			CHEV KODIAK DUMP 2 1/2 CY	1GBK6H1J2RJ103896	24,260	DIESEL	35,595.50	02/01/94
	206			CHEV KODIAK DUMP 2 1/2 CY	1GBK6H1J5RJ103813	24,260	DIESEL	34,137.16	02/01/94
91822				CHEV KODIAK DUMP 7 CY	16BP7H1J4RJ103790	35,550	DIESEL	43,328.35	02/01/94
91822	208			INT'L UNDERBRIDGE REACHALL CRANE	1HTGGA6T2RH548438	77,000	DIESEL	428,900.34	05/01/94
91822	209			GMC STAKE DUMP	1GDMTH1J1RJ505924	27,060	DIESEL	39,577.73	04/01/94
91822	210			GMC STAKE DUMP	1GDM7H1J2RJ506113	27,060	DIESEL	39,577.74	04/01/94
91822	212			ALTEC AERIAL BUCKET MOD. 4900	1HTSDAAN9SH641782	33,000	DIESEL	234,584.84	10/01/94
91822	213			ALTEC AERIAL BUCKET MOD. 4900	1GTSDAABISG641783	33,000	DIESEL	117,292.42	10/01/94
91822				INT'L ALTEC DERRIC	1HTSDAAR9SH641784	35,000	DIESEL	123,952.24	11/01/94
91822				FORD STAKE DUMP TRUCK	1FDWF80C5SVA18402	26,000	DIESEL	36,389.70	11/01/94
91822				FORD STAKE W/HYD HOIST	1FDWF80C7SVA18403	26,000	DIESEL	36,389.70	11/01/94
91822				FORD STAKE DUMP	1FDWF80C9SVA18404	26,000	DIESEL	36,389.70	11/01/94
91822	218			INT'L DUMP 12 CY	1HTGGAUT6SH641780	56,000	DIESEL	71,329.67	02/01/95
91822	219	95	TRUCK :	INT'L DUMP 12 CY	1HTGGAUT8SH641781	0	DIESEL	70,808.82	02/01/95
91822	222	83	TRUCK:	FORKLIFT (MILILARY)	3336022159	47,000	DIESEL	1,600.00	08/01/96
91822	223	97	TRUCK:	INTL TUNNEL WASH VEHICLE	1HTSDAAR9VH46573	0	DIESEL	420,000.00	06/01/97
91822	224	99	TRUCK:	INTERNATIONAL STAKE CREWCAB	1HTSCAAL5XH646633	0	DIESEL	71,294.23	06/01/99
91822	226	99	TRUCK:	INT'L TECO AERIAL BUCKET	1HTSDAANOXH646635	33,000	DIESEL	179,086.70	06/01/99
91822	228			INT'L TECO AERIAL BUCKET	1HTSDAAN9XH646634	25,700	DIESEL	180,024.19	06/01/99
91822	230			FORD STAKE W/SCISSORS LIFT	1FDXF46F0XEC46765	15.000	DIESEL	76,867.99	06/01/99
91822	231			FORD F-800 W/BOOM	3FEXF8013XMA11609	33,000	DIESEL	121,266.15	06/01/99
91822	232			FORD F-8 W/BOOM	3FEXF801XXMA11610	33,000	DIESEL	121,266.15	06/01/99
91822	233			FORD FLATBED	1FDAF56F7XEB75284	17,500	DIESEL		
91822	234			INT'L. UTILITY SERVICE 4900	1HTSDAAN7YH212102	33,000	DIESEL	61,842.20	06/01/99
91822	235			TRACTOR PETERBILT MOD 378				114,544.98	06/01/00
91822	235			INTERNATIONAL DUMP MOD. 2674	1XPFD60X2YD505684	60,060	DIESEL	104,802.38	06/01/00
91822	238				1HTGLAER3YS218405	54,060	DIESEL	101,903.92	06/01/00
91822 91822	238			INT'L 3500 GALLON TANK	1HTGLAHT11H333470	64,000	DIESEL	140,919.12	06/01/01
	239			GMC 2 1/2 CU YD DUMP C 7500	1CDMTH1C3YJ516441	27,100	DIESEL	71,887.09	06/01/00
91822				GMC UTILITY BODY C6500	1GDG6H1C2YJ516513	23,100	DIESEL	83,825.07	06/01/00
91822	241			GMC LIFT-ALL AERIAL BUCKET C-8500	1GDP7H1C4YJ516705	35,000	DIESEL	174,423.48	06/01/00
91822	242			INTERNATIONAL DUMP 4700	1HTSCAAM72H409692	25,500	DIESEL	64,541.86	06/01/02
91822	243			INTERNATIONAL DUMP 4700	1HTSCAAM92H409693	25,500	DIESEL	64,541.86	06/01/02
91822	244			INTERNATIONAL DUMP 4700	1HTSCAAM02H409694	25,500	DIESEL	64,541.86	06/01/02
91822	245			INTERNATIONAL DUMP 4700	1HTSCAAM22H409695	25,500	DIESEL	64,021.03	06/01/02
91822	246	02	TRUCK :	INTERNATIONAL TRK TRACTOR 99001	2HSCHAET62C030153	58,860	DIESEL	101,511.59	06/01/02
91822	247	87	TRUCK :	FORD ASPHALT THERMO LAY TRUCK	1FDWT74P6HVA4443	23,100	DIESEL	.00	06/04/02
91822	248	02	TRUCK:	GMC 2 1/2 CY DUMP C6500	1GDK7H1C22J502285	25,950	DIESEL	75,362.55	08/28/02
91822	249	02	TRUCK:	GMC 2 1/2 CY DUMP C6500	1GDK7H1C12J502472	25,950	DIESEL	74,112.50	08/28/02
91822	250	03	TRUCK:	PETERBILT FLATBED W/CRANE	1NPZL00X13D714740	64,000	DIESEL	262,151.29	04/25/03
91822	251	02	TRUCK :	GMC DUMP C6500		23,100	DIESEL	65,923.31	05/14/03
91822	252	02	TRUCK :	GMC DUMP		25,950	DIESEL	75,978.03	05/14/03
91822	253			PETERBILT W/CRANE/DUMP		64,000	DIESEL	281,484.93	09/12/03
91822	254			GMC ALTEC AERIAL/UTILITY MDL 5500		19,500	DIESEL	95,355.56	01/15/04
91822	255			PETERBILT DUMP MDL 378		58,000	DIESEL	146,217.88	01/20/04
91822	256			PETERBILT DUMP MDL 378		58,000	DIESEL	146,217.88	01/20/04
91822	257			INTERNATIONAL DUMP MOD. 4400 SBA		12,780	DIESEL	69,676.86	01/20/04 05/24/04
	207	• •		INTERNATIONAL DOME HOD. 1400 BEA	TUIWCAND440032400	12,700	DIESEL	69,676.88	05/24/04

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EQUIPM	IENT	DESCRIPTION	SERIAL NUMBER	GVW	FUEL	COST	DATE
91822		05 TRUCK: PETERBILT TANK #357 SBFA	2NPLHZ8X75M852585	19,260	DIESEL	118,994.90	12/08/04
91822	261	04 TRUCK FORD F350 FLATBED	1FDWF36P74EA68038	8,620	DIESEL	36,606.02	12/02/04
91822	262	04 TRUCK FORD F350 FLATBED	1FDWF36P54EA68037	8,620	DIESEL	36,606.02	12/02/04
91822	263	04 TRUCK GMC AERIAL "C"	1GDE5C1205F503083	19,500	DIESEL	104,297.94	03/17/05
91822	264	05 TRUCK: GMC DUMP	1GDJ6C13X5F500437	25,640	DIESEL	73,592.38	06/21/05
91822	265	05 TRUCK: GMC DUMP	1GDJC1375F500492	25,640	DIESEL	73,592.38	06/21/05
91822	266	05 TRUCK: GMC "T" UTILITY SERVICE	1GDJ5C1285F506313	26,000	DIESEL	89,889.85	06/21/05
91822	267	05 TRUCK: GMC DUMP SOLID SIDE PANEL	1GDJ6C1335F531982	25,640	DIESEL	75,757.88	03/16/06
91822	268	05 TRUCK GMC FLATBED	1GDE5C1235F528737	19,500	DIESEL	57,894.68	03/16/06
91822	269	06 TRUCK TRACTOR PETERBILT 378SFFA	1XPFD40X66D632620	60,060	DIESEL	115,692.80	06/14/06
91822		07 TRUCK PETERBILT 7CY DUMP	2NPLHZ8X17M673736	17,160	DIESEL	117,166.09	02/09/07
91822	271	08 TRUCK GMC W/UTILITY BODY	1GDJ6C1BX8F401578	26,000	DIESEL	138,199.80	
91822	272	08 TRUCK GMC C5500 CAB CHASSIS W/AERIAL	1GDE5C1908F400294	19,500	DIESEL	145,360.76	04/21/08
91822	273	08 TRUCK INTERNATIONAL DUMP 7400	1HTWCAAR98J658638	36,220	DIESEL	112,043.88	04/30/08
91822	274	08 TRUCK INTERNATIONAL DUMP 4400	1HTMKAAL68H658559	25,999	DIESEL	91,253.29	04/30/08
91832	147	99 TRAILER: TRAIL KING LOW BOY TK50RG-402	1TKS04021XM026782	64,140	DIESEL	41,666.40	06/01/99
91832	158	05 TRAILER: WATER OMCO 5,000 GAL TANDEM	DTF450BSR20506506	0	DIESEL	131,989.64	12/28/05
91832	161	06 TRAILER: TRAILKING LOWBOY TK70HGD-472	1TKJ047256M103637	0	DIESEL	68,894.15	06/14/06
91842	166	82 OVERLOWE PORTABLE FLOOD LIGHT	824681	0	DIESEL	13,856.00	08/01/92
91842	170	85 POWER CURBER CURBING MACHINE	150785094	ő	DIESEL	6,562.40	08/01/85
91842	173	86 GENERATOR: MILLER WELDER/GENERATOR	JG057742	0	DIESEL	3,320.00	07/01/86
91842	174	86 GENERATOR: MILLER WELDER/GENERATOR	JG062668	0	DIESEL	3,320.00	07/01/86
91842		89 TRACTOR: FORD MOWER W/EXT FLAIL	BB85071	0	DIESEL	37,380.07	07/01/89
91842		93 TRACTOR: KUBOTA W/ FLAIL MOWER	21623	0	DIESEL	16,403.65	03/01/93
91842		93 LIGHT TOWER: MAGNUM PORTABLE 4060 K-MH	93294	0	DIESEL		
91842		94 LIGHT TOWER: INGERSOLL-RAND MOD L64MH	247798 I.D.#KNC6237	-	DIESEL	10,610.40 13,402.51	09/01/93
91842		94 WELDING UNIT MILLER BIG 40 DIESEL	KE700618	0		•	10/01/94
91842		94 WELDING UNIT MILLER BIG 40 DIESEL	KE700621	0	DIESEL DIESEL	8,145.80 8,145.80	12/01/94
91842		96 SPRAYER, FMC JOHN BEAN DM10E300FERH	JB00320NA	0	DIESEL	•	12/01/94
91842		96 CHIPPER, MORBARK EZ #2200	2773	0	DIESEL	11,048.64	02/01/96
91842		96 CHIPPER, MORBARK EZ #2200	2774	0		24,342.79	12/01/96
91842		96 CHIPPER, MORBARK EZ #2200	2774	0	DIESEL	24,343.83	12/01/96
91842		98 SIGN MESSAGE BOARD ELECTRONIC W/TRAILER		-	DIESEL	24,343.00	12/01/96
91842		98 MOWER: TORO GROUNDMASTER 580D	069801-T2	0	DIESEL	32,920.00	06/01/98
91842 91842			30581-80278	· · · · · ·	DIESEL	65,811.10	06/01/98
91842 91842	241 242	98 MOWER: TORO GROUNDMASTER 325D MOD 30795	30795-80338	0	DIESEL	25,357.45	06/01/98
91842 91842		98 MOWER: TORO GROUNDMASTER 325D MOD 30795	30795-80340	0	DIESEL	25,669.94	06/01/98
91842 91842		98 MOWER: TORO GROUNDMASTER 325D MOD 30795	30795-80342	0	DIESEL	25,878.28	06/01/98
		99 MOWER: KUBOTA TRACTOR MOWER	7030-21047	0	DIESEL	41,200.33	06/01/99
91842		99 MOWER: KUBOTA TRACTOR MOWER	7030-21049	0	DIESEL	41,200.33	06/01/99
91842	246	99 AUGER, MELROE MODEL 15	187403365	0	DIESEL	2,166.65	06/01/99
91842		99 MOWER: TORO GROUND MASTER	30243-90111	0	DIESEL	19,041.17	06/01/99
91842		99 MOWER: TORO GROUNDMASTER 223-D	30243-90114	0	DIESEL	19,560.92	06/01/99
91842		99 MOWER: TORO GROUNDMASTER 223-D	30243-90118	0	DIESEL	19,560.92	06/01/99
91842		99 MOWER: TORO GROUNDMASTER 223-D MOWER	30243-90119	0	DIESEL	19,560.92	06/01/99
91842		99 MOWER: TORO GROUNDMASTER 223-D	30243-90120	0	DIESEL	19,560.92	06/01/99
91842		99 MOWER: TORO GROUNDMASTER 325D MOD. 30795	90146	0	DIESEL	27,113.60	06/01/99
91842	258	99 MOWER: TORO GROUNDMASTER 325D MOD. 30795	90142	0	DIESEL	27,113.60	06/01/99
91842		99 MOWER: TORO GROUNDMASTER 325D MOD. 30795	90268	0	DIESEL	27,113.59	06/01/99
91842		99 MOWER: TORO GROUNDMASTER 325D MOD. 30795	90390	0	DIESEL	27,113.59	06/01/99
91842	261	99 MOWER: TORO GROUNDMASTER 325D MOD 30795	90176	0	DIESEL	26,686.38	06/01/99
91842	266	99 TRACTOR: KUBOTA W/SIDE EXT. MOWER M8200	10559	0	DIESEL	60,483.02	06/01/99

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91842	267	99 TRACTOR: KUBOTA W/SIDE EXT MOWER M8200	10561	0	DIESEL	60,170.52	06/01/99
91842	268	99 MOWER: TORO GROUNDMASTER 580D TRIPLEX	90489	0	DIESEL	71,246.83	06/01/97
91842	269	00 LIGHT TOWER: WACKER LTP4	5112668	0	DIESEL	10,622.00	06/01/97
91842	270	00 MOWER: TORO GROUNDMASTER 325D 30795	200000106	0	DIESEL	26,888.27	06/01/97
91842	271	97 MESSAGE BOARD PORTABLE ADDCO SOLAR	DH1000 SN584940	3,700	DIESEL	37,000.00	06/01/97
91842	272	97 MESSAGE BOARD PORTABLE ADDCO SOLAR	DH 1000 SN 584984	3,700	DIESEL	37,000.00	06/01/97
91842	273	97 MESSAGE BOARD PORTABLE ADDCO SOLAR	DH1000 SN584985	3,700	DIESEL	37,000.00	06/01/97
91842	274	97 MESSAGE BOARD PORTABLE ADDCO SOLAR	DH1000 SN 584991	3,700	DIESEL	37,000.00	06/01/97
91842	275	97 MESSAGE BOARD PORTABLE ADDCO SOLAR	DH1000 SN 584997	3,700	DIESEL	37,000.00	06/01/97
91842	279	01 LIGHT TOWER: TRAILER MOUNT WACKER LTP4Z	5231940	1,990	DIESEL	9,330.00	06/01/97
91842	280	01 LIGHT TOWER: TRAILER MOUNT WACKER LTP4	5231941	1,990	DIESEL	9,330.00	06/01/97
91842	281	01 LIGHT TOWER: TRAILER MOUNT WACKER LTP4	5231942	1,990	DIESEL	9,330.00	06/01/97
91842	282	01 LIGHT TOWER: TRAILER MOUNT WACKER LTP4	5231943	1,990	DIESEL	9,330.00	06/01/97
91842	283	01 TRACTOR: KUBOTA UTIL.W/R MTD.FLAIL MOWER		1,550	DIESEL	39,948.99	06/01/97
91842	284	02 MESSAGE BOARD: NATL SIGNAL TRAILER MTD	1S9M214112L358009	3,500	DIESEL	24,790.67	
91842	285	02 MESSAGE BOARD: NATL SIGNAL TRAILER MTD	1S9M24132L358013	3,500	DIESEL	24,790.67	09/12/02
91842		02 TRACTOR: CASE UTIL W/REAR MTD FLAIL MOWR		3,300	DIESEL		09/12/02
91842		02 TRAILER: SOLAR TECH MTD MESSAGE BOARD	408562	2,900	DIESEL	39,166.42	09/27/02
91842		02 TRAILER: SOLAR TECH MID MESSAGE BOARD	408563			24,834.28	11/20/02
91842		02 TRAILER: SOLAR TECH MID MESSAGE BOARD	408564	2,900 2,900	DIESEL	24,834.28	11/20/02
91842		02 TRAILER: SOLAR TECH MID MESSAGE BOARD	408565	-	DIESEL	24,834.28	11/20/02
91842		02 LIGHT TOWER: INGERSOLL-RAND TRAILER MTD.	331077/1077	2,900	DIESEL	24,834.28	12/12/02
91842		02 LIGHT TOWER: INGERSOLL-RAND TRAILER MID.	•	3,640	DIESEL	12,812.41	09/26/02
91842		02 LIGHT TOWER: INGERSOLL-RAND TRAILER MID 02 LIGHT TOWER: INGERSOLL-RAND TRAILER MID	3310781078	3,640	DIESEL	12,812.42	09/26/02
91842		02 MOWER: TORO GROUNDMASTER 328D	331079/1079	3,640	DIESEL	12,812.42	09/26/02
91842		03 TRACTOR: FORD T590 W/EXT S/R MTD FLAIL	30627-220000268	0	DIESEL	26,281.08	03/25/03
91842 91842		03 TRACTOR: FORD TS90 W/EXT S/R MTD FLAIL 03 TRACTOR: FORD T590 W/EXT. S/R MTD FLAIL	199806B	0	DIESEL	72,916.20	10/23/03
91842			199913B	0	DIESEL	72,916.20	10/27/03
91842		03 TRACTOR: FORD T590 W/EXT. S/R MTD FLAIL	200222B	0	DIESEL	72,916.20	10/27/03
91842 91842		03 TRACTOR: KUBOTA UTIL. W/REAR MTD FLAIL	11071	0	DIESEL	41,727.45	12/26/03
91842 91842		03 TRACTOR: KUBOTA UTIL W/REAR MTD FLAIL	11073	0	DIESEL	41,727.45	12/26/03
		85 LIGHT TOWER: OVER LOWE	851824/M	0	DIESEL	1,700.00	06/30/03
91842		85 LIGHT TOWER: OVER LOWE	851792/M	0	DIESEL	1,700.00	06/30/03
91842		85 LIGHT TOWER: OVER LOWE	851846/M	0	DIESEL	1,700.00	06/30/03
91842		05 LIGHT TOWER: INGERSOLL-RAND LIGHTSOURCE	356563UEP789	0	DIESEL	11,600.00	06/30/06
91852		82 CRAFCO ASPHALT SEALER W/JOINT CRACK MACH	3149 & C0185	3,500	DIESEL	23,040.16	09/01/82
91852		85 TRUCK: INTL SEWER HYDROJET VAC CLEANER	1HTLDTVR4FHA62673	35,180	DIESEL	104,893.36	10/01/85
91852		84 COMPRESSOR:LEROI	3119X1100	2,560	DIESEL	12,064.00	09/01/86
91852		88 LOADER: JOHN DEERE ARTICULATING	DW644ED520958	34,404	DIESEL	96,838.52	12/01/88
91852		88 BACKHOE: CASE LOADER	JJG0012229	17,500	DIESEL	38,323.03	11/01/88
91852		91 CASE LOADER/BACKHOE	JJG0163916	20,000	DIESEL	33,986.57	10/01/91
91852		92 COMPRESSOR: ATLAS COPCO PORTABLE AIR	ARP978949	0	DIESEL	11,197.95	10/01/92
91852		93 COMPRESSOR: ATLAS COPCO PORTABLE	H01600414	0	DIESEL	11,350.07	12/01/93
91852		93 JOHN DEERE BACKHOE TURBO 4X4	T0410DG794985	0	DIESEL	56,231.43	12/01/93
91852		93 ROLLER: DYNAPAC TANDEM CC-211	61510446	0	DIESEL	65,121.04	12/01/93
91852	155	94 SWEEPERS: JOHNSTON VANGUARD 4000 SP	1JSVM4H2XRC041015	26,000	DIESEL	134,292.10	08/01/94
91852	157	94 LOADER:CASE MDL:621-B	JEE0040796	0	DIESEL	79,404.42	10/01/94
91852	158	94 LOADER: CASE MDL 821-B	JEE0040797	0	DIESEL	126,904.57	10/01/94
91852	159	96 LOADER: BOBCAT SKID INGERSOL RAND #763	512220135	0	DIESEL	17,807.36	12/01/96
91852	160	98 LOADER/BACKHOE JOHN DEERE 310SE 4X4	TO310SE848919	0	DIESEL	68,393.31	06/01/98
91852	161	98 LOADER/BACKHOE JOHN DEERE 310SE 4X4	TO310SE848978	0	DIESEL	57,976.71	06/01/98
91852	162	99 SWEEPER: ELGIN/STERLING 4-WHEEL MECH.	49H6WFAA6XHA71218	32,000	DIESEL	15,138.61	06/01/99
		,				_0,100.01	, , - , - , - , - , - , - , - ,

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EQUIPN	IENT	DESCRIPTION	SERIAL NUMBER	GVW	FUEL		DATE
91852		99 BOBCAT: MELROE INGERSOLL RAND 873	514124589	0	DIESEL	35,854.77	06/01/99
91852		99 LOADER/FORKLIFT: KOMATSU WA180-3L	A80497	0	DIESEL	74,634.94	06/01/99
91852		00 COMPRESSOR: PDS 1855 AIRMAN AIR	53-6A11637	0	DIESEL	13,395.00	06/01/00
91852		99 ROLLER: WACKER VIBRATORY RD-25	5080819	0	DIESEL	30,721.25	06/01/99
91852		00 BOBCAT: MELROE INGERSOLL RAND 873	514141825	0	DIESEL	32,313.60	06/01/00
91852		00 BOBCAT: MELROE INGERSOLL RAND 873	514141831	0	DIESEL	32,313.60	06/01/00
91852		00 TRUCK: INT'L SEWER HYDRO JET VACUUM	1HTGLAHTOYH333471	66,000	DIESEL	253,878.68	06/01/00
91852		01 SWEEPER: INT'L. W/ELGIN CROSSWIND 4700	1HTSCAAN81H333472	33,000	DIESEL	135,115.42	06/01/01
91852		02 TRUCK: VOLVO SEWER HYDRO VAC JET CLEANER	4V5KC9UF92N329529	66,000	DIESEL	267,290.45	06/01/02
91852	172	01 LOADER: NEW HOLLAND LS 180	187694	0	DIESEL	32,770.62	06/01/02
91852	173	02 TRUCK: GMC MOUNTED DIESEL SWEEPER	1GDP7C1C02J504190	34,350	DIESEL	171,392.88	06/18/02
91852	174	02 TRUCK: GMC MOUNTED DIESEL SWEEPER	1GDP7C1C02J504223	34,350	DIESEL	171,288.71	06/18/02
91852	175	02 GRADER: GALION ARTICULATED MOTOR GRADER	71079	0	DIESEL	108,332.64	06/18/02
91852	176	02 SWEEPER: GMC TRUCH MOUNTED T8500	1GDP7C1C22J513277	34,350	DIESEL	172,846.84	12/16/02
91852	177.	02 SWEEPER: GMC TRUCK MOUNTED	1GDP7C1C82J513588	34,350	DIESEL	172,846.82	12/16/02
91852	178	03 BACKHOE/LOADER: NEW HOLLAND MOD LB90	031046530	. 0	DIESEL	68,228.73	05/04/04
91852	179	04 LOADER: CATERPILLAR TRACK MOD 939C	6DS01575	0	DIESEL	94,008.36	03/07/05
91852	180	05 TRUCK PETERBILT SEWER HYDRO JET-VACUUM	1NPAL00X05D851359	37,540	DIESEL	276,122.91	03/07/05
91852	181	04 SWEEPER GMC TRUCK T7F042	1GDM7F1344F509306	33,000	DIESEL	205,462.03	03/17/05
91852	182	05 LOADER: KOMATSU FRONT END WHEEL	65912	0	DIESEL	95,311.89	12/28/05
91852	183	05 LOADER/BACKHOE CASE 590SM	N5C394588	0	DIESEL	97,916.04	06/14/06
91852	184	08 EXCAVATOR 07 KOMATSU MOD PC13BUSLC	21539	ő	DIESEL	140,131.36	02/11/08
91852	185	07 PATCHER 07 PYTHON POTHOLE	PP-002-1207	0 0	DIESEL	288,871.90	04/02/08
91862	103	76 DROFT MOBILE CRANE	6223703	10,500	DIESEL	20,000.00	06/01/78
91862	108	98 TRUCK: LIFT BOOM GROVE ARTICULAT'G AMZ68	46668	27,420	DIESEL	95,907.76	09/01/98
91862		98 BARRIER TRANSFER MACHINE, BTM ZIPMOBILE	195	69,292	DIESEL	1,700,000.00	07/29/98
91862	110	98 BARRIER TRANSFER MACHINE, BTM ZIPMOBILE	196	69,292	DIESEL	1,700,000.00	09/11/98
91862		00 PALLET JACK: HYSTER ELECTRIC 60	B199H06696X	09,292	DIESEL	10,200.00	04/18/00
91862		99 PUMP GORMAN-RUPP PORT TRASH PA6160-4045D	1160590	5,200	DIESEL		
	115	84 FORKLIFT: 84 TCM 6000 MODEL #FG3DNT	44430599	5,200 16,280	DIESEL	39,893.49	06/01/00
91862		06 CHIPPER BANDIT 280	1107	10,280		1,400.00	05/17/04
91862	117	06 CHIPPER BANDIT 280	1108	0	DIESEL	46,666.38	12/29/06
91862		06 CHIPPER BANDIT 280	1110	-	DIESEL	46,666.36	12/29/06
21002	110	00 CHIFFER BANDII 280	1110	0	DIESEL	46,666.36	12/29/06
						FUEL TYPE TOTA	ΥL.
91812	537	97 TRUCK: CHEV PICKUP	1GCCS14X9V8171357	0	PROPANE	19,634.36	05/01/97
91812	563	99 TRUCK: GMC SIERRA EXT CAB PICKUP 2500	1GTGC29UXXE529685	8,600	PROPANE	32,735.04	06/01/99
91812	568	97 TRUCK: CHEVROLET MPVH BLAZER	1GNDT13W8V2239006	0,000	PROPANE	.00	06/01/99
91812	572	98 TRUCK: FORD MPVH EXPLORER	1FMZU34X9WUA20006	0	PROPANE	.00	06/01/98
91812		98 TRUCK: FORD MPVH EXPLORER	1FMZU34X0WUA20007	0	PROPANE	.00	06/01/98
	574	98 TRUCK: FORD MPVH EXPLORER	1FMZU34X2WUA20008	0	PROPANE	.00	06/01/98
91812	576	98 TRUCK: FORD RANGER PICK UP	1FTZR15X5WPA15246	0			
91812	589	00 TRUCK: FORD 4 W/D PU W/ALTERNATE FUEL			PROPANE	.00	06/01/98
91812		00 TRUCK: FORD 4 W/D FU W/ALTERNATE FUEL 00 TRUCK: FORD 4 W/D PU W/ALTERNATE FUEL	1FTZR15X3YPB48056	5,080	PROPANE	29,959.18	06/01/00
91812	641	04 VAN FORD E350	1FTZR15X5YPB48057	5,080	PROPANE	29,959.18	06/01/00
91812	641 642	04 VAN FORD E350 04 VAN: FORD E350	1FMNE31L94HB42867	0	PROPANE	39,765.11	03/17/05
91812 91842	233		1FMNE31L74HB42866	0	PROPANE	39,765.11	03/17/05
2±04⊿	600	97 THERMO PLASTIC STRIPING MACHINE		0	PROPANE	.00	01/01/97
						FUEL TYPE TOTA	LL
91812	591	00 TRUCK: FORD PU W/ALTERNATE FUEL	2FTPX17ZXYCA99791	7,700	PROPANE/GAS	22 242 22	05/01/00
91812		00 TRUCK: FORD PU W/ALIERNAIE FUEL 00 TRUCK: FORD PU W/ALIERNAIE FUEL		•	•	32,342.98	06/01/00
~~~~		CO INCOME FORD FO NYAHIEKNAIE FUEL	2FTPX17Z1YCA99792	7,700	PROPANE/GAS	31,822.15	06/01/00

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EQUIPM	ENT	DESCRIPTION	SERIAL NUMBER	GVW	FUEL		DATE
						0001	DALL
91812	593	00 TRUCK: FORD PU W/ALTERNATE FUEL	2FTPX17Z3YCA99793	7,700	PROPANE/GAS	32,342.98	06/01/00
91812	650	05 TRUCK FORD F150 PICKUP	1FTRF12W35NA04809	0	PROPANE/GAS	37,305.33	10/04/05
91812	651	05 TRUCK; FORD 150 PICKUP	1FTRF12W15NA04808	0	PROPANE/GAS	37,305.34	10/04/05
91812	652	05 TRUCK; FORD 150 PICKUP	1FTRF12WX5NA04807	0	PROPANE/GAS	37,305.34	10/04/05
91812	653	05 TRUCK; FORD 150 PICKUP	1FTRF12WX5NA04810	. 0	PROPANE/GAS	37,305.33	10/04/05
91812	654	04 VAN: FORD E350	1FMNE31L15HA05889	0	PROPANE/GAS	39,084.12	12/14/05
91812	700	07 SUV 06 FORD SPORT UTILITY EXPLORER	1FMEU62E56UB38457	0	PROPANE/GAS	32,245.22	06/22/07
91812	701	07 VAN 06 FORD E350	1FMNE31S66DB02148	0	PROPANE/GAS	39,752.87	06/21/07
91812	708	07 VAN FORD E150	1FMNE11LX7DB34373	0	PROPANE/GAS	43,739.25	04/21/08
91812	709	07 VAN FORD E150	1FMNE11L77DB34377	0	PROPANE/GAS	43,739.25	04/21/08
91812	711	08 SUV FORD ESCAPE COMPACT	1FMCU03Z08KB33431	0	PROPANE/GAS	29,922.50	04/30/08
91812	713	08 SUV FORD EXPLORER SPORT UTILITIY 4X4	1FMEU73E78UA15850	0	PROPANE/GAS	41,704.56	05/28/08
						FUEL TYPE TOTA	
91812	604	01 SEDAN: FORD 4 DOOR TAURUS	1FAFP52221A253114	4,684	ETHONAL/GAS	17,605.74	06/01/01
91812	612	02 SEDAN: FORD TAURUS 4DR	1FAFP52282A196807	4,684	ETHONAL/GAS	18,083.83	08/20/02
91812	618	02 TRK: FORD EXPLORER 4X4 4 DR.	1FMZU72K22ZC52474	5,840	ETHONAL/GAS	43,132.22	09/12/02
91812	619	02 TRK: FORD EXPLORER SPORT UTILITY	1FMZU62K12ZC52475	5,700	ETHONAL/GAS	40,151.83	09/12/02
91812	634	03 TRUCK FORD PU	1FTYR44V43TA01225	0	ETHONAL/GAS	18,500.25	12/09/04
91812	635	03 TRUCK FORD PU	1FTZR44V03PB22573	0	ETHONAL/GAS	18,500.25	12/09/04
91812	636	03 TRUCK FORD PU	1FTZR44V83PB35376	0	ethonal/gas	18,500.25	12/09/04
91812	638	04 TRUCK DODGE PU	1D7HA16P54J253265	0	ETHONAL/GAS	22,807.16	12/09/04
91812	643	05 SEDAN: FORD 4 DR. TAURUS	1FAFP532X5A160474	0	ETHONAL/GAS	14,551.99	06/24/05
91812	644	05 SEDAN: FORD 4DR TAURUS	1FAFP53265A160472	0	ETHONAL/GAS	1.00	06/24/05
91812	645	05 SEDAN: FORD 4 DR TAURUS	1FAFP53285A160473	0	ETHONAL/GAS	1.00	06/24/05
91812	656	05 SEDAN: FORD TAURUS 4 DR.	IFAFP532X5A303679	0	ETHONAL/GAS	15,940.24	12/28/05
91812	657	05 SEDAN: FORD TAURUS 4 DR.	1FAFP53245A303676	0	ETHONAL/GAS	15,940.24	12/28/05
91812	658	05 SEDAN: FORD TAURUS 4 DR.	1FAFP53265A303677	0	ETHONAL/GAS	15,940.24	12/28/05
91812	659	05 SEDAN: FORD TAURUS 4 DR.	1FAFP53285A303681	0	ethonal/gas	15,940.23	12/28/05
91812	660	05 SEDAN: FORD TAURUS 4 DR.	1FAFP53285A303678	0	ETHONAL/GAS	15,940.23	12/28/05
91812	661	05 SEDAN: FORD TAURUS 4 DR.	1FAFP53265A303680	0	ETHONAL/GAS	15,940.24	12/28/05
91812	675	05 SUV FORD EXPLORER	1FMZU62KX5ZA62730	0	ETHONAL/GAS	23,176.94	12/30/05
91812	681	06 SEDAN FORD TAURUS	1FAFP53266A262890	0	ETHONAL/GAS	24,037.98	01/23/07
91812	682	06 TRUCK DODGE RAM 1500 QUAD CAB PU	1D7HA18P96J200732	0	ETHONAL/GAS	26,568.58	12/22/06
91812	683	06 TRUCK DODGE QUAD CAB RAM 1500 PU	1D7HA18P06J200733	0	ETHONAL/GAS	26,568.58	12/22/06
91812	684	06 TRUCK DODGE RAM 1500 PU	1D7HA16P36J200728	0	ETHONAL/GAS	22,772.77	12/22/06
91812	685	06 TRUCK DODGE RAM 1500 PU	1D7HA16P36J200731	0	ETHONAL/GAS	22,772.77	12/22/06
91812	686	06 TRUCKK DODGE RAM 1500 PU	1D7HA16P56J200729	0	ETHONAL/GAS	22,772.77	12/22/06
91812	687	06 TRUCK DODGE RAM_1500 PU	1D7HA16P16J200730	0	ETHONAL/GAS	22,772.77	12/22/06
91812	688	06 TRUCK DODGE RAM 1500 QUAD CAB 4X4	7HU18P66J201912	0	ETHONAL/GAS	28,477.94	12/22/06
91812	689	06 TRUCK DODGE RAM 1500 QUAD CAB 4X4	1D7HU18P86J201913	0	ETHONAL/GAS	28,477.94	12/22/06
91812	690	06 TRUCK DODGE RAM 1500 QUAD CAB 4X4	1D7HU18PX6J201914	0	ETHONAL/GAS	28,477.94	12/22/06
91812	699	07 TRUCK 06 FORD F150 PU	1FTRF12VX6NB41044	0	ETHONAL/GAS	24,185.05	04/18/07
						FUEL TYPE TOTA	AL .
91822	227	99 FORKLIFT: CATERPILLAR ELECTRIC LIFT TRK	A2EC320272	0	ELECTRIC	31,437.30	06/01/99
						FUEL TYPE TOTA	T
01020	1.00						
91832	102	77 TRAILER: EVERGREEN SCALE	103	0	NOT APPLICABLE	.00	03/01/77
91832	103	49 TRAILER: FREUHAUF 20 TON LOWBOY W/O RAMP	FW15025	56,000	NOT APPLICABLE	1,016.19	99/99/99
91832	111	82 TRAILER: TRAIL KING SMALL	1TKU01621CM103194	12,500	NOT APPLICABLE	4,321.12	11/01/82

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EQUIPN	4ENT	DESCRIPTION	SERIAL NUMBER	. GVW	FUEL	COST	DATE
91832							
91832		82 TRAILER: TRAIL KING SMALL	1TKU01625CM103196	12,500	NOT APPLICABLE	4,321.12	11/01/82
91832		84 TRAILER: EAGER BEAVER UTILITY	1120TL10XES030032	7,200	NOT APPLICABLE	.00	10/01/84
91832 91832		86 TRAILER: MANNS WELDING UTILITY SCALE	TL648	0	NOT APPLICABLE	12,420.00	09/01/86
		88 TRAILER: HOMEMADE UTILITY	SOH022588HON	0	NOT APPLICABLE	2,855.00	03/01/88
91832		87 TRAILER: ZIEMAN TILT	1ZCT27E20HZP13858	14,000	NOT APPLICABLE	5,662.62	05/01/89
91832		89 TRAILER: CALKINS BOAT	1CXBP1413KS910653	0	NOT APPLICABLE	427.08	06/01/89
91832		66 TRAILER: STEVENS MFG.CO.CARGO	3801	0	NOT APPLICABLE	150.00	09/01/90
		93 TRAILER: TRAILEVATOR UTILITY	1T9ME1419PM199185	4,680	NOT APPLICABLE	6,408.35	10/01/93
91832		93 TRAILER: ZIEMAN UTILITY TILT MOD-2310	1ZC729B25PZP17467	22,500	NOT APPLICABLE	.00	12/01/93
91832		94 TRAILER: W/SKID RESISTANCE EQUIPMENT	M1270-082	0	NOT APPLICABLE	183,874.00	02/01/95
91832		96 TRAILER: (HOMEMADE)		0	NOT APPLICABLE	1.00	02/01/96
91832		96 TRAILER: SPECTRUM SCALE LT-2900	1S9EC1613TH364445	0	NOT APPLICABLE	16,110.93	12/01/96
91832		96 TRAILER: SPECTRUM SCALE LT-2900	1S9EC1615TH364446	0	NOT APPLICABLE	16,110.93	12/01/96
91832		96 TRAILER: BOBCAT SHOPBUILT BCT-16-7500	1S9BS2126TH364435	0	NOT APPLICABLE	6,250.00	12/01/96
91832		97 TRAILER: SHOPBUILT UTILITY	1S9US121XVH364555	0	NOT APPLICABLE	885.41	06/01/97
91832		97 TRAILER: SHOPBUILT UTILITY	1S9US1212VH364556	0	NOT APPLICABLE	885.41	06/01/97
91832		98 TRAILER: WEIGHT SCALE	EC161XVH364302	0	NOT APPLICABLE	17,587.38	06/01/98
91832		97 TRAILER WEIGHT SCALE SHOPBLT LODEC3030	1S9EC1611VH36403	0	NOT APPLICABLE	17,014.47	06/01/97
91832		98 TRAILER: INTERNATIONAL BW508	1ZFUF0818WB001623	0	NOT APPLICABLE	2,520.00	06/01/98
91832		98 TRAILER: SPECTRUM LAWNMOWER T3000	1S9LS1828WH364459	5,000	NOT APPLICABLE	5,800.00	06/01/98
91832	139	98 TRAILER: SPECTRUM LAWNMOWER T3000	1S9LS1826WH364460	5,000	NOT APPLICABLE	5,800.00	06/01/98
91832	140	98 TRAILER: SPECTRUM LAWNMOWER T3000	1S9LS1824WH364461	5,000	NOT APPLICABLE	5,800.00	06/01/98
91832	141	99 TRAILER: ZIEMAN UTILITY #8012 SPL	1ZCE18S22XZP20671	8,300	NOT APPLICABLE	6,508.30	06/01/99
91832	142	99 TRAILER: ZIEMAN UTILILY #8012 SPL	1ZCE18S24XZP20672	8,300	NOT APPLICABLE	6,508.29	06/01/99
91832	143	99 TRAILER: ZIEMA UTILITY #8012 SPL	1ZCE18S26XZP20673	8,300	NOT APPLICABLE	6,508.00	06/01/99
91832	144	99 TRAILER: SPECTRUM BOBCAT MOD. 2580	1S9BS2420XH364108	0	NOT APPLICABLE	7,276.00	06/01/99
91832	145	99 TRAILER: SPECTRUM LAWNMOWER	1\$9L\$1828XH364110	4,980	NOT APPLICABLE	5,800.00	06/01/99
91832	146	99 TRAILER: CHILTON UTILITY UT4815S-1	14DAC0810XC000231	1,500	NOT APPLICABLE	2,200.00	06/01/99
91832	148	00 TRAILER: SPECTRUM LAWNMOWER T-3000	1S9LS1826YH364107	5,280	NOT APPLICABLE	6,249.96	06/01/00
91832	149	00 TRAILER: BUTLER FLAT BED LT-812-DH	00-2059-2250LB	8,500	NOT APPLICABLE	5,168.75	06/01/00
91832	150	00 TRAILER: SPECTRUM BOBCAT BCT 16-12000	1S9BC2320YH364111	12,000	NOT APPLICABLE	8,749.94	06/01/00
91832	151	00 TRAILER: SPECTRUM BOBCAT	1S9BC2322YH364112	12,000	NOT APPLICABLE	8,749.94	06/01/99
91832	152	00 TRAILER: CARRY-ON UTILITY 5X8G	4YMUK0813YH042326	. 0	NOT APPLICABLE	2,864.68	06/01/00
91832	153	00 TRAILER: CARRY-ON UTILITY 5X8G	4YMUK0815YH042327	0	NOT APPLICABLE	2,864.68	06/01/00
91832	154	01 TRAILER: ZIEMAN UTILITY	1ZCE18\$2712P23136	8,300	NOT APPLICABLE	8,958.28	
91832	155	01 TRAILER: ZIEMAN TILT 1157	1ZCT21T261ZP23378	14,000	NOT APPLICABLE	8,609.32	06/01/01
91832	156	02 TRAILER: SPECTRUM LAWNMOWER	1S9US18201H364193	5,440	NOT APPLICABLE	•	06/01/01
91832	157	03 TRAILER: ZIEMAN UTILITY	1ZCE18S233ZP24562	8,300	NOT APPLICABLE	7,291.62	03/25/03
91832	159	05 SCALES ELECTRONIC AXLE W/TRAILER	12001002332624302	8,300		6,770.79	12/09/03
91832	160	05 SCALES ELECTRONIC AXLE W/TRAILER		0	NOT APPLICABLE	27,505.00	09/22/06
91842	123	75 WELDER: LINCOLN ARC	4795022		NOT APPLICABLE	27,505.00	09/22/06
91842	230	96 ERADICATOR, ROBIN EH 17	1098152	0	NOT APPLICABLE	3,121.00	06/01/97
91842	231	96 VACUUM: CLEANER, NELFISK GS83		0	NOT APPLICABLE	7,209.00	12/01/96
91842	237	98 OPEN RADAR SPEED MONITOR UNIT	960529-2064	0	NOT APPLICABLE	4,923.00	12/01/96
91842	237	98 OPEN RADAR SPEED MONITOR UNIT 98 OPEN RADAR SPEED MONITOR UNIT	4AGAU09SXWC027173	0	NOT APPLICABLE	9,765.00	06/01/98
91842	238	99 POST POUNDER, DANUSER MODEL MD-6	4AGAU09S1WC027174	0	NOT APPLICABLE	9,765.00	06/01/98
91842 91842	247		11827	0	NOT APPLICABLE	4,718.71	06/01/99
91842 91842	248 249	98 CART, EZ-GO GOLF CARGO CARRIERS #875E		0	NOT APPLICABLE	6,236.92	06/01/98
	-	98 CART, EZ-GO GOLF CARGO CARRIERS #875E		0	NOT APPLICABLE	6,236.92	06/01/98
91842	250	98 CART, EZ-GO GOLF CARGO CARRIERS #875E	21675	0	NOT APPLICABLE	6,236.92	06/01/98
91842 91842	256	97 MIXER: BETONIERA WORKMAN 250 CONCRETE	0000138311	0	NOT APPLICABLE	2,080.00	06/01/97
91842	264	99 MONITOR: MIGHTY MOVER SPEED CONTROL	4AGAU1112XC029946	2,000	NOT APPLICABLE	10,020.77	06/01/99

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91842	265	99 MONITOR: MIGHTY MOVER SPEED CONTROL	4AGAU1114XC029947	2,000	NOT APPLICABLE	10,020.77	06/01/99
91842	286	02 TRAILER: ITCP MTD SPEED CONTROL MONITOR	40XK111S02A0007	2,000	NOT APPLICABLE	11,999.00	09/12/02
91842	287	02 TRAILER: ITCP MTD SPEED CONTROL MONITOR	40XK111S22A020008	2,000	NOT APPLICABLE	11,999.00	09/12/02
91842	309	05 ARROWBOARD WANCO W/TRAILER WTSP75-LSAC	5F11S101351000	0	NOT APPLICABLE	7,830.00	09/22/06
91842	310	05 ARROWBOARD WANCO W/TRAILER WTSP75-LSAC	5F11S551000458	0	NOT APPLICABLE	7,830.00	09/22/06
91842	313	06 WELDER LINCOLN TIG K1828-1	U1060202431	0	NOT APPLICABLE	17,580.00	05/01/07
91842	315	06 POT PREMELTER TRANTEX THERMOPLASTIC	000504/000505	0	NOT APPLICABLE	133,702.00	02/16/07
91842	319	06 VACUUM EDCO 18 GAL DR VAC 250	061814230	0	NOT APPLICABLE	8,705,94	02/16/07
91842	321	07 MIXER STEEL DRUM CONCRETE WHITEMAN	C2752167	0	NOT APPLICABLE	3,508.00	12/13/07
91842	322	07 MIXER STEEL DRUM CONCRETE WHITEMAN	C2752132	0	NOT APPLICABLE	3,508.00	12/13/07
91842	323	07 MACHINE STRIPING TRANTEX THERMOPLASTIC	K8756	0	NOT APPLICABLE	44,965.00	04/23/08
					:	FUEL TYPE TOTA	AL.

# HHFDC ELECTRICAL CONSUMPTION DATA BY PROJECT FY - 2011

HONOKOWAI KAUHALE	KWH	COSTS		
JULY	5,525	\$ 1,965.37		
AUGUST	6,604	 \$ 2,332.28		
SEPTEMBER	6,559	 \$ 2,055.59		
OCTOBER	6,728	\$ 2,383.53		
NOVEMBER	6,762	\$ 2,537.21		
DECEMBER	7,202	 \$ 2,644.25		
JANUARY	7,117	\$ 2,723.70		
FEBRUARY	6,829	\$ 2,682.01		
MARCH	7,228	\$ 2,857.26		
APRIL	6,003	\$ 2,536.16		
MAY	6,029	\$ 2,623.01		
JUNE	5,921	\$ 2,667.14		
TOTALS	78,507	\$ 30,007.51		

## KAMAAINA HALE

## KWH

## COSTS

TOTALS	34,325	\$ 13,864.91
JUNE	2,704	\$ 1,268.33
MAY	2,717	\$ 1,251.38
APRIL	2,901	\$ 1,257.30
MARCH	2,695	\$ 1,127.13
FEBRUARY	2,781	\$ 1,101.53
JANUARY	3,205	\$ 1,291.60
DECEMBER	2,691	\$ 1,032.15
NOVEMBER	2,771	\$ 1,049.28
OCTOBER	2,967	\$ 1,106.54
SEPTEMBER	2,809	\$ 1,054.32
AUGUST	2,983	\$ 1,175.65
JULY	3,101	\$ 1,149.70

HHFDC ELECTRICAL CONSUMPTION DATA BY PROJECT FY - 2011

## KAMAKEE VISTA

KWH

COSTS

JULY	63,229	\$	14,790.44
AUGUST	59,059	\$	14,186.54
SEPTEMBER	57,979	\$	13,965.86
OCTOBER	59,326	\$	14,084.10
NOVEMBER	59,466	\$	14,074.43
DECEMBER	64,215	\$	15,081.00
JANUARY	53,415	\$	13,241.37
FEBRUARY	60,644	\$	14,982.27

MARCH	54,991	\$	14,474.64
APRIL	81,433	\$	16,631.80
MAY	54,702	\$	15,718.60
JUNE	59,573	\$	17,499.00
TOTALS	728,032	\$	178,730.05

KAUHALE KAKAAKO

KWH

COSTS

JULY	42,801	\$ 9,097.96
AUGUST	39,108	\$ 8,575.05
SEPTEMBER	37,438	\$ 8,306.64
OCTOBER	41,207	\$ 8,884.48
NOVEMBER	37,776	\$ 8,259.63
DECEMBER	38,679	\$ 8,533.25
JANUARY	42,963	\$ 9,573.40
FEBRUARY	39,164	\$ 9,087.50
MARCH	37,039	\$ 9,231.04
APRIL	43,646	\$ 11,179.57
MAY	38,286	\$ 9,788.21
JUNE	39,510	\$ 10,432.58
TOTALS	477,617	\$ 110,949.31

HHFDC ELECTRICAL CONSUMPTION DATA BY PROJECT

FY - 2011

## **KEKUILANI COURTS**

KWH

COSTS

JULY	4,194	\$ 1,069.95
AUGUST	3,758	\$ 974.75
SEPTEMBER	4,483	\$ 1,184.17
OCTOBER	3,732	\$ 999.27
NOVEMBER	3,763	\$ 938.55
DECEMBER	3,806	\$ 999.20
JANUARY	4,239	\$ 1,093.89
FEBRUARY	3,553	\$ 966.01
MARCH	3,957	\$ 1,092.48
APRIL	3,643	\$ 1,059.32
MAY	4,209	\$ 1,263.11
JUNE	4,343	\$ 1,364.57
TOTALS	47,680	\$ 13,005.27

**KEKUILANI GARDENS** 

KWH

COSTS

JULY	3,876	\$	1,017.66
AUGUST	3,463	\$	912.21
SEPTEMBER	3,953	\$	1,043.58
OCTOBER	3,345	\$	896.09

NOVEMBER	3,707	\$ 973.91
DECEMBER	3,542	\$ 973.11
JANUARY	3,773	\$ 1,045.48
FEBRUARY	3,172	\$ 889.70
MARCH	3,429	\$ 972.55
APRIL	3,184	\$ 972.92
MAY	3,717	\$ 1,185.74
JUNE	3,649	\$ 1,207.65
TOTALS	42,810	\$ 12,090.60

HHFDC ELECTRICAL CONSUMPTION DATA BY PROJECT FY - 2011

## LAILANI

KWH

COSTS

JULY	5,422	\$ 2,753.46
AUGUST	5,929	\$ 2,964.49
SEPTEMBER	5,101	\$ 2,878.82
OCTOBER	6,350	\$ 3,063.64
NOVEMBER	7,046	\$ 3,404.74
DECEMBER	5,939	\$ 3,045.12
JANUARY	6,779	\$ 3,379.58
FEBRUARY	5,884	\$ 3,088.77
MARCH	6,277	\$ 3,304.06
APRIL	6,141	\$ 3,250.65
MAY	6,435	\$ 3,534.23
JUNE	5,803	\$ 3,421.11
TOTALS	73,106	\$ 38,088.67

## NANI O PUNA

KWH

COSTS

JULY	3,773	\$	1,609.89
AUGUST	2,996	\$	1,368.23
SEPTEMBER	2,953	\$	1,388.67
OCTOBER	3,221	\$	1,467.36
NOVEMBER	2,578	\$	1,196.03
DECEMBER	3,027	\$	1,408.24
JANUARY	3,423	\$	1,558.96
FEBRUARY	3,104	\$	1,399.79
MARCH	2,972	\$	1,386.40
APRIL	2,855	\$	1,403.34
MAY	2,398	\$	1,262.64
JUNE	2,442	\$	1,339.60
TOTALS	35,742	\$	16,789.15

HHFDC ELECTRICAL CONSUMPTION DATA BY PROJECT

## **POHULANI**

JULY	220,560	\$ 47,512.75
AUGUST	214,080	\$ 46,915.36
SEPTEMBER	207,600	\$ 46,022.27
OCTOBER	228,000	\$ 49,008.20
NOVEMBER	193,920	\$ 42,621.86
DECEMBER	201,120	\$ 43,908.94
JANUARY	203,520	\$ 45,612.02
FEBRUARY	192,240	\$ 44,828.49
MARCH	183,360	\$ 45,834.71
APRIL	197,040	\$ 50,403.13
MAY	178,800	\$ 48,759.11
JUNE	197,125	\$ 55,116.66
TOTALS	2,417,365	\$ 566,543.50

FY2011 GRAND TOTAL			3,935,184	:	\$	980,068.97	
FY2008 Base Line Year (BLY)	)		4,781,493		\$ 1	1,036,663.37	
FY2009			4,061,936		\$	921,821.94	
FY2010			4,172,621		\$	896,281.49	
FY2011 w/%			3,935,184	17.70%	\$	980,068.97	5.46%
Average Usage / Percentage to BLY			4,056,580	15.16%	\$	932,724.13	10.03%
HHFDC USAGE & COST E	BY PROJE	СТ					
HONOKOWAI KAUHALE	FY08 FY11		98,398 78,507	20.21%	\$ \$	34,936.52 30,007.51	14.11%
KAMAAINA HALE	FY08 FY11		35,489 34,325	3.28%	\$ \$	13,695.24 13,864.91	-1.24%
KAMAKEE VISTA	FY08 FY11		968,887 728,032	24.86%	\$ \$	207,784.49 178,730.05	13.98%
KAUHALE KAKAAKO	FY08 FY11		617,384 477,617	22.64%	\$ \$	123,482.43 110,949.31	10.15%

Appendix 7: Hawaii Housing Finance and Development Corporation Electrical Data

KEKUILANI GARDENS	FY08	49,278	\$	12,109.66	
	FY11	42,810	13.13% \$	12,090.60	0.16%
LAILANI	FY08	76,986	\$	38 <i>,</i> 516.38	
	FY11	73,106	5.04% \$	38,088.67	1.11%
NANI O PUNA	FY08	48,473	\$	21,689.23	
	FY11	35,742	26.26% \$	16,789.15	22.59%
POHULANI	FY08	2,831,520	\$	571,583.44	
	FY11	2,417,365	14.63% \$	566,543.50	0.88%

HONOKOWAI KAUHALE	FY08	98,398		\$	34,936.52	
	FY09	72,846	25.97%	\$	23,802.17	31.87%
	FY10	74,358	-2.08%	\$	23,967.15	-0.69%
	FY11					
KAMAAINA HALE	FY08	35,489		\$	13,695.24	
	FY09	34,307	3.33%	\$	14,067.14	-2.72%
	FY10	43,814	-27.71%	\$	18,084.74	-28.56%
	FY11					
KAMAKEE VISTA	FY08	968,887		\$	207,784.49	
RAMARLE VIJIA	FY09	548,585	43.38%	ې \$	114,687.02	44.80%
	FY10	788,088	-43.66%	ې \$	174,622.97	-52.26%
	FY10 FY11	788,088	-45.00%	ç	174,022.97	-32.20/0
KAUHALE KAKAAKO	FY08	617,384		\$	123,482.43	
	FY09	594,381	3.73%	\$	122,228.78	1.02%
	FY10	538,957	9.32%	\$	104,591.11	14.43%
	FY11					
KEKUILANI COURTS	FY08	55,078		\$	12,865.99	
KEROLANI COORTS	FY09	53,048	3.69%	\$	-	-4.73%
	FY10	50,642	4.54%	ې \$	11,851.76	12.05%
	FY10 FY11	50,042	4.54%	ç	11,851.70	12.03%
KEKUILANI GARDENS	FY08	49,278		\$	12,109.66	
	FY09	41,137	16.52%	\$	11,804.27	2.52%
	FY10	43,936	-6.80%	\$	10,921.68	7.48%
	FY11					
LAILANI	FY08	76,986		\$	38,516.38	
	FY09	76,775	0.27%	\$	36,696.70	4.72%
	FY10	72,569	5.48%	\$	35,158.98	4.19%
	FY11	73,106	-0.74%			-8.33%
	EV/00	40 472		ć	21 (20) 22	
NANI O PUNA	FY08	48,473	4 000/	\$	21,689.23	2 470/
	FY09	49,097	-1.29%	\$	-	-3.47%
	FY10 FY11	47,937	2.36%	\$	19,534.07	12.95%

Appendix 7: Hawaii Housing Finance and Development Corporation Electrical Data

POHULANI	FY08	2,831,520	\$ 571,583.44	
	FY09	2,591,760	8.47% \$ 559,619.80	2.09%
	FY10	2,512,320	3.07% \$ 497,549.03	11.09%
	FY11			

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AVG FUEL ECONOMY		30.69	13.29	N/A	N/A	16.25	50.51	46.67	67.77	39.25	42.84	AVG FUEL	ECONOMY		16.20	AVG FUEL	ECONOMY		23.00	16.00	AVG FUEL	ECONOMY				e was not track	nis fiscal period	ended in fuel	d was \$30,702				AVG FUEL	
FUEL CONSUMPTION		281	78	-	-	640	421	465	305	560	147	FUEL	CONSUMPTION		1185	FUEL	CONSUMPTION		3542	322	FUEL	CONSUMPTION				Gas and mileage was not tracked	per vehicle in this fiscal period.	Total dollars expended in fuel for	this fiscal period was \$30,702				FUEL	CONSLIMPTION
ACTUAL MILEAGE		8,623	1,037	159	22,059	10,397	21,263	21,701	20,669	21,981	6,298		ACTUAL MILEAGE		19,203		ACTUAL MILEAGE		81,487	5,167		ACTUAL MILEAGE	CC1 20	102010	34.902	33,734	37,236	48,653	25,489	37,969	24,719	104,687		ACTUAL MILEAGE
RATED FUEL ECONOMY		14 - 16 MPG	21 - 32 MPG	21 - 32 MPG	20 - 28 MPG	21 - 32 MPG	18 - 26 MPG	21 - 32 MPG	RATED FUEL	ECONOMY		21 - 31 MPG	RATED FUEL	ECONOMY		18 - 25 MPG	15 - 24 MPG	RATED FUEL	ECONOMY	10/07	C7//T	12/16	12/16	18/26	14/18	21/30	21/30	21/30	N/A	RATED FUEL	FCONOMY			
ACQUISITION COST		6,241	9,495	9,495	6,883	6,883	6,883	4,992	6,883	6,392	6,205	ACQUISITION	COST		5,400	ACQUISITION	COST		6,500	donation	ACQUISITION	COST	11 000	000'CT	4.500	6,000	4,700	1,500	2,000	2,000	5,500	5,208		COST
YEAR		1998	1997	1997	2002	2002	2002	2001	2002	2002	2003		YEAR		2004		YEAR		2000	2009		YEAR	1000	OCCT	1999	2000	2001	2002	2002	2002	2003	2007		YFAR
MODEL		VAN	VAN	VAN	ALERO	ALERO	ALERO	STRATUS	ALERO	INTREPID	ALERO		MODEL		CLASSIC		MODEL		TAURUS	EL DORADO		MODEL		Cionan Vin	Van	F-150 Pickup	S-10 Pickup	SUV Blazer	Alero	Alero	Alero	Aerotech Van		MODFI
MAKE		СНЕVY	СНЕVY	CHEVY	OLDSMOBILE	OLDSMOBILE	OLDSMOBILE	DODGE	OLDSMOBILE	DODGE	OLDSMOBILE		MAKE		СНЕVY		MAKE		FORD	CADILLAC		MAKE		Tovota	Chevrolet	Ford	Chevrolet	Chevrolet	Oldsmobile	Oldsmobile	Oldsmobile	Ford		MAKF
LICENSE PLATE	CENTER	B617	B703	B704	C413	C414	C415	C846	C847	C848	D144		LICENSE PLATE	AMAKUA	SH 357		LICENSE PLATE		SH 3539	SH D887		ACQUIRED LICENSE PLATE			SHC536	SHD572	SHD573	SHE281	SHC537	SHD574	SHD575	<b>MRT095</b>		LICENSE PLATE
YEAR ACQUIRED	<b>HILO MEDICAL CENTER</b>	2005	2005	2005	2006	2006	2006	2007	2007	2007	2008	YEAR	ACQUIRED	HALE HOOLA HAMAKUA	2010	YEAR	ACQUIRED	<b>KAU HOSPITAL</b>	2004	2009	YEAR			POOL	2006	2008	2008	2008	2008	2008	2008	2010	YEAR	ACOUIRED

#### Appendix 8: Hawaii Health Systems Corporation Vehicle Data

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				hodort too some	was nut trached	Is listal periou.	and in the for	.coc'ct¢ spw r						AVG FUEL	ECONOMY		N/A	31 MPG	40 MPG	20 MPG	<b>15 MPG</b>	N/A	4 MPG	4 MPG	5 MPG		AVG FUEL	ECONOMY		25 MPG	12 MPG	12 MPG
					oas and inneage was not tracked	Total dollars available in find for	this fissal assist	COC,CIT & SAN DUITED AND SITU						FUEL	CONSUMPTION		252	115	240	517	128	293	243	235	486		FUEL	CONSUMPTION		146	194	57
Inoperable	128,141	45,000	92,417	871,310	138,000	76,096	117,530	108,042	35,078	15,449	60,573	19,420			ACTUAL MILEAGE		N/A	3,582	9,641	10,555	1,932	N/A	952	955	2,541			ACTUAL MILEAGE		3,692	2,269	720
15/19	15/20	N/A	14/18	N/A	13/18	17/25	13/17	21/30	13/17	21/30	22/25	22/25		RATED FUEL	ECONOMY		13- 18 MPG	19 - 27 MPG	19 - 27 MPG	16 - 23 MPG	20 - 28 MPG	20 - 28 MPG	18 - 26 MPG	18 - 26 MPG	13- 18 MPG		RATED FUEL	ECONOMY		20- 28 MPG	20- 28 MPG	20- 28 MPG
16,127	16,672	25,878	42,566	54,759	32,066	21,875	26'62	2'000	46,838	5,500	19,980	49,711		ACQUISITION	COST		000'9	24,000	2,000	24,730	4,500	2,000	24,000	4,700	27,000		ACQUISITION	COST		2,000	5,200	5,000
1989	1991	1992	1994	1995	1998	2000	2006	2003	2007	2003	2005	2010			YEAR		2000	2007	2007	2007	1999	2002	1998	2001	2005			YEAR		2000	2001	2001
2500 Truck	Astro Van	F-350 Flatbed	Mini Bus	3500 Flatbed	1500 Van	Taurus Wagon	E-350 Van	Alero	Entervan	Alero	E-350 Van	E-350 Van			MODEL		PICKUP	ALTIMA	ALTIMA	QUEST	STRATUS	STRATUS	S-10 PICKUP	ALERO	BUS			MODEL		<b>GREEN STRATUS</b>	BLUE STRATUS	
GMC	Chevrolet	Ford	Ford	Chevrolet	Chevrolet	Ford	Ford	Oldsmobile	Chevrolet	Oldsmobile	Ford	Ford			MAKE	DSPITAL	СНЕVY	NISSAN	NISSAN	NISSAN	DODGE	DODGE	СНЕVY	OLDSMOBILE	FORD			MAKE		DODGE	DODGE	DODGE
SH6494	SH5680	SH6495	SH6866	SH8274	6068HS	SH9845	SHB926	SHC538	SHC682	SHD576	SHE177	SHE282			LICENSE PLATE	KAUAI VETERANS MEMORIAL HOSPITAL	SH8537	KYS891	KYS901	KYS893	D954	D950	D952	D955	KYR470			LICENSE PLATE		B297	C626	C771
1991	1992	1994	1996	1998	2000	2005	2006	2007	2009	2010	2010	2010		YEAR	ACQUIRED	KAUAI VETERAN	1997	2007	2007	2007	2009	2009	2009	2009	2010		YEAR	ACQUIRED	<b>LEAHI HOSPITAI</b>	2007	2007	2007

KULA HOSPITAL

AVG FUEL	ECONOMY		11 MPG	6 MPG	<b>15 MPG</b>	
FUEL	CONSUMPTION		59	55	47	
	ACTUAL MILEAGE CONSUMPTION		665	321	714	
RATED FUEL	ECONOMY		14- 18 MPG	19- 27 MPG	18- 25 MPG	
ACQUISITION	COST		5,500	4,500	6,500	
	YEAR		1998	2000	2002	
	MODEL		ASTRO VAN	STRATUS	TAURUS	
	MAKE		СНЕVY	DODGE	FORD	
	LICENSE PLATE		SHB687	SHC412	SHC812	
YEAR	ACQUIRED	MALUHIA	2005	2007	2007	

23 MPG	85	1,977	16 - 22 MPG	5,600 ACOLIIEITION	2002	VENTURE	СНЕЛ	SHE290
9 MPG	117	1,040	16 - 22 MPG	5,600	2002	VENTURE	СНЕVY	SHE289
<b>15 MPG</b>	50	736	21 - 31 MPG	5,400	2004	CLASSIC	СНЕVY	SHE288
2 MPG	52	123	15- 20 MPG	28,919	2008	SILVERADO	СНЕVY	SHD432
3 MPG	116	337	13- 17 MPG	13,044	2001	TRUCK	СНЕVY	SHD390
5 MPG	96	488	16- 23 MPG	DONATION	1998	HANDI VAN	FORD	SH8191

				ACQUISITION	RATED FUEL		FUEL	AVG FUEL
ICENSE PLATE	MAKE	MODEL	YEAR	COST	ECONOMY	ACTUAL MILEAGE CONSUMPTION	CONSUMPTION	ECONOMY
ONA COMMUNITY HOSPITAL								
SHE158	DODGE	FLATBED TRUCK	2001	N/A	12- 16 MPG	5,708	439	<b>13 MPG</b>
SHD991	FORD	CARGO VAN	1986	N/A	8 - 12 MPG	5,678	630	9 MPG

# Hawaii State Public Library System LSS Delivery Vans 2010-2011 Figures

Van ID	Gallons	Miles	MPG
Kauai SH B427 2004 Ford E150	988.4	15,860	16.04
Maui SH D871 2009 Chevy 3500	837.62	10,977	13.11
Hawaii SH C117 2006 Ford E250	1,176.05	16,382	13.93
Hawaii SH C118 2006 Ford E250	1,205.60	23,818	19.76
Oahu SH 8486 1997 Chevy 3500	289.3	3,785	13.06
Oahu SH D872 2009 Dodge 3500	107.20	858.0	8.0
Oahu SH B428 2004 Ford E150	873.12	9,273	10.62
Oahu SH B982 2006 Ford E350	1,346.99	15,692	11.65
Oahu SH D870 2009 Chevy 3500	1,144.67	15,477	13.52
Oahu SH 9502 1999 Ford E250	418.42	4,773	11.41
Totals	8,387.90	<b>108,549.3</b>	12.94

# Hawaii State Public Library System ESSS/ASET Mini Vans 2010-2011 Figures

Van ID	Gallons	Miles	MPG
Hawaii SH9822 2001 Ford Windstar	382.47	6,743	17.63
Hawaii SHA315 2002 Chevy Astro	317.41	4120	12.98
Kahului SHA859 2004 Chevy Astro	529.23	6,753	12.76
Kauai SHB425 2004 Ford Freestar	571.93	7,355	12.86
Oahu SH9819 2001 Ford Windstar	508.88	8,015	15.75
Oahu SHB426 2004 Ford Freestar	837.55	11,508	13.74
Oahu SHB535 2005 Dodge GR Caravan	185.28	2,618	14.13
Oahu SHB960 2006 Ford Freestar	866.9	13,619	15.71
Oahu SHD881 2009 Dodge GR Caravan	317.57	3,887	12.24
Totals	4517.22	64,618	14.2

VEHICLE DESCRIPTION	MODEL YEAR	GROSS VEHICLE WEIGHT RATING	VEHICLE FUEL CONFIGURATION	CITY MPG	HWY MPG	ACQUISITION COST
FORD EXPLORER XLT	05	1	Gasoline	14	20	19,875.50
CHEVY IMPALA	07	1	Gasoline	18	28	15,846.64
DODGE CARAVAN	07	2	Gasoline	17	24	16,396.38
CHEVY IMPALA 4DSD	04	1	Gasoline	17	23	8,300.00
FORD TAURUS 4DSD	06	1	Gasoline	20	27	11,670.15
CHEVY IMPALA 4DSD	04	1	Gasoline	17	23	8,500.00
JEEP CHEROKEE	98	1	Gasoline	18	20	6,000.00
VAN CHEVY- 12 PASSENGER	08	2	Gasoline	16	20	18,644.00
CHEVY VAN - 7 PASSENGER	08	2	Gasoline	19	25	24,732.00
VAN CHEVY ALUM HIGH CUBE	99	1	Gasoline	18	25	33,000.00
VAN CHEVY (15 PASSENGER)	06	2	Gasoline	16	20	38,737.08
VAN CHEVY (15 PASSENGER)	06	2	Gasoline	16	20	38,737.08
VAN FORD (15 PASSENGER)	99	2	Gasoline	14	19	5,500.00
VAN CHEVY (15 PASSENGER)	07	2	Gasoline	16	20	32,931.00
VAN FORD (15 PASSENGER)	01	2	Gasoline	14	19	9,500.00
VAN CHEVY (15 PASSENGER)	08	2	Gasoline	16	20	25,643.97
VAN DODGE (12 PASSENGER)	01	2	Gasoline	19	26	7,000.00
VAN DODGE (12 PASSENGER)	97	2	Gasoline	19	26	3,000.00
VAN FORD (7 PASSENGER)	03	2	Gasoline	14	19	5,800.00
VAN CHEVY (15 PASSENGER)	06	2	Gasoline	15	20	14,999.00
VAN CHEVY (7 PASSENGER)	05	2	Gasoline	16	20	8,200.00
VAN CHEVY (12 PASSENGER)	01	2	Gasoline	15	20	4,100.00
P/U CHEVY S-10	01	1	Gasoline	15	20	3,700.00
CHEVY SUBURBAN	96	1	Gasoline	12	16	1,275.24
FORD BUS	94	4	Gasoline	N/A	N/A	10,000.00
VAN FORD 138 ECONOLINE	97	2	Gasoline	15	20	17,985.37
VAN FORD ECONOLINE CARGO	99	2	Gasoline	15	20	22,654.64
VAN FORD	97	1	Gasoline	15	20	8,984.32
TRUCK CHEVY	91	2	Diesel	16	21	2,000.00
VAN FORD	99	1	Gasoline	15	20	5,000.00
VAN FORD (15 PASSENGER)	97	2	Gasoline	15	20	4,000.00
VAN CHEVY	97	2	Gasoline	16	20	5,000.00
VAN CHEVY	97	2	Gasoline	16	20	5,000.00
P/U FORD	08	1	Gasoline	14	20	20,560.00
VAN FORD	09	1	Gasoline	N/A	N/A	41,660.00
SDN TOYOTA COROLLA 4DR	03	1	Gasoline	30	38	14,895.74
		1			25	15,338.34
FORD TAURUS 4DR VAN DODGE	05	1	Gasoline Gasoline	19 19		,
	90				26	800.00
	90	1	Gasoline Gasoline	18	26	2,500.00 13,821.00
	90			18 N/A	26	,
	87	N/A	N/A	N/A	N/A	22,000.00
	92	1	Gasoline	18	26	15,039.17
	94	1	Gasoline	23	30	24,990.83
	96	1	Gasoline	17	26	14,720.06
	97	1	Gasoline	17	23	17,232.72
SDN CHEVY CORSICA	95	1	Gasoline	24	31	6,300.00
SUV FORD BRONCO 2DR	92	2	Gasoline	14	18	19,739.65
SDN CHEVY CORSICA	95	1	Gasoline	24	31	6,300.00

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VEHICLE DESCRIPTION	MODEL YEAR	GROSS VEHICLE WEIGHT RATING	VEHICLE FUEL CONFIGURATION	CITY MPG	HWY MPG	ACQUISITION COST
VAN FORD CARGO	81	1	Gasoline	17	23	1,000.00
TRUCK CHEVY S-10	94	1	Gasoline	15	20	5,000.00
P/U TRUCK CHEVY	94	1	Gasoline	15	20	5,000.00
VAN CHEVY	94	2	Gasoline	16	20	5,200.00
VAN CHEVY (15 PASSENGER)	03	3	Gasoline	13	16	28,925.00
P/U DODGE	96	1	Gasoline	13	17	4,200.00
VAN FORD 3 DR E-350 (15 PASSENGER)	03	2	Gasoline	N/A	N/A	22,739.23
P/U TRUCK CHEVY	91	1	Gasoline	15	20	61,817.70
CHEVY IMPALA 4DSD	07	1	Gasoline	18	28	21,300.00
VAN CHEVY	07	1	Gasoline	16	20	30,820.00
VAN CHEVY	07	2	Gasoline	16	21	30,820.00
VAN FORD	08	1	Gasoline	15	20	30,820.00
VAN FORD	08	1	Gasoline	15	20	30,820.00
VAN FORD (12 PASSENGER)	08	2	Gasoline	16	21	23,933.64
P/U CHEVY	82	1	Gasoline	20	26	2,500.00
VAN CHEVY	93	2	Gasoline	16	20	2,500.00
P/U DODGE	86	1	Gasoline	13	17	750.00
VAN CHEVY (12 PASSENGER)	92	2	Gasoline	16	20	5,000.00
P/U TRUCK DODGE	82	1	Gasoline	13	17	3,000.00
VAN CHEVY	98	2	Gasoline	16	21	26,380.00
VAN CHEVY	98	2	Gasoline	16	21	26,380.00
VAN GMC	89	2	Gasoline	13	15	5,000.00
SDN CHEVY 4DR	87	1	Gasoline	23	32	12,000.00
P/U TRUCK CHEVY	78	1	Gasoline	13	17	1,500.00
P/U CHEVY	87	1	Gasoline	20	26	11,000.00
SDN CHEVY 4DR	87	1	Gasoline	23	32	12,000.00
CHEVY BUS (20 PASSENGER)	94	2	Gasoline	N/A	N/A	2,500.00
VAN CHEVY - 12 PASSENGER	08	2	Gasoline	16	21	24,732.00
DODGE INTREPID	02	1	Gasoline	21	30	2,500.00
VAN CHEVY (12 PASSENGER)	97	2	Gasoline	16	20	28,344.00
TRUCK CHEVY CREW CAB	98	2	Gasoline	13	16	28,600.00
VAN CHEVY (15 PASSENGER)	98	2	Gasoline	16	21	28,810.00
VAN CHEVY (12 PASSENGER)	97	2	Gasoline	16	21	28,344.00
VAN CHEVY (12 PASSENGER)	08	2	Gasoline	16	21	23,933.64
CHEVY MALIBU SDN	09	2	Gasoline	23	32	19,695.00
VAN TOYOTA SIENNA	09	1	Gasoline	18	24	24,036.31
TOYOTA CAMRY	07	1	Gasoline	24	34	24,030.31
VAN CHEVY EXPRESS (15 PASSENGER)	98	2	Gasoline	16	22	28,810.00
SDN CHEVY MALIBU VAN CHEVY EXPRESS	99 99	1 2	Gasoline Gasoline	23 16	32 20	18,452.70
						29,432.28
SDN FORD MERCURY 4DR	99	1	Gasoline	25	34	18,373.00
VAN CHEVY (15 PASSENGER)	01	2	Gasoline	16	22	28,875.00
	06	1	Gasoline	20	27	22,942.28
	98	1	Gasoline	11	15	30,042.48
FORD F-150 PKUP	02	1	Gasoline	17	22	12,965.00
	03	1	Gasoline	19	26	3,177.77
	07	2	Gasoline	16	23	32,240.00
MINI COOPER S	05	1	Gasoline	25	32	21,725.00

VEHICLE DESCRIPTION	MODEL YEAR	GROSS VEHICLE WEIGHT RATING	VEHICLE FUEL CONFIGURATION	CITY MPG	HWY MPG	ACQUISITION COST
VAN TOYOTA SIENNA (7 PASSENGER)	04	1	Gasoline	19	27	26,000.00
CROWN VICTORIA FORD	10	1	Gasoline	18	25	25,538.86
P/U FORD F-150	10	1	Gasoline	19	25	N/A
EXPLORER FORD	10	1	Gasoline	14	20	22,720.96
FUSION HYBRID FORD	10	1	Gasoline	N/A	N/A	29,075.00
TOYOTA 4RUNNERMPVH	06	1	Gasoline	18	22	33,419.33
SUV CHEVY TAHOE	99	2	Gasoline	12	16	31,600.00
SDN TOYOTA COROLLA	03	1	Gasoline	30	38	14,895.74
FORD TAURUS	05	1	Gasoline	19	25	14,941.91
VAN CHEVY	92	2	Gasoline	16	20	16,737.50
S/W FORD	92	1	Gasoline	15	21	18,260.48
P/U TRUCK CHEVY 1/2	93	1	Gasoline	15	20	13,198.00
VAN FORD	90	1	Gasoline	15	20	35,617.82
SDN CHEVY CELEBRITY 4DR	89	1	Gasoline	23	30	4,850.00
SDN OLDS CIERA 4DR	94	1	Gasoline	17	26	13,436.50
VAN CHEVY ASTRO WHITE	92	2	Gasoline	15	20	14,629.87
P/U FORD	00	1	Gasoline	15	20	14,127.51
SDN CHEVY	86	1	Gasoline	18	26	9,410.85
VAN DODGE	87	2	Gasoline	19	26	3,000.00
P/U TRUCK FORD	88	1	Gasoline	15	20	13,763.00
OLDS SDN	95	1	Gasoline	19	25	16,539.95
VAN CHEVY ASTRO WHITE	88	2	Gasoline	18	20	13,495.00
P/U DODGE	91	2	Gasoline	13	17	5,600.00
VAN CHEVY (15 PASSENGER)	98	2	Gasoline	16	21	24,995.00
VAN CHEVY (15 PASSENGER)	98	2	Gasoline	16	21	24,995.00
VAN GMC (15 PASSENGER)	00	2	Gasoline	N/A	N/A	24,999.84
VAN CHEVY (15 PASSENGER)	02	2	Gasoline	16	21	27,740.00
VAN CHEVY (15 PASSENGER)	98	2	Gasoline	16	21	24,995.00
CHEVY LUMINA	99	1	Gasoline	20	29	4,000.00
VAN CHEVY (15 PASSENGER)	98	2	Gasoline	16	21	24,995.00
VAN FORD - 12 PASSENGER	08	2	Gasoline	14	19	23,933.64
VAN FORD - 12 PASSENGER	08	2	Gasoline	14	19	23,933.64
CHEVY BUS (20 PASSENGER)	94	N/A	N/A	N/A	N/A	2,500.00
SDN CHEVY CELEBRITY 4DR	89	1	Gasoline	23	30	2,000.00
SDN CHEVY CAPRICE 4DR	92	1	Gasoline	18	26	3,000.00
SDN CHEVY CAPRICE 4DR	92	1	Gasoline	18	26	2,500.00
SDN CHEVY CAPRICE 4DR	92	1	Gasoline	18	26	2,500.00
SDN CHEVY CAPRICE 4DR	92	1	Gasoline	18	26	2,500.00
P/U TRUCK CHEVY 2500	88	1	Gasoline	20	26	1,144.00
P/U TRUCK CHEVY S-10	91	1	Gasoline	15	20	1,144.00
SUV CHEV BLAZER	93	2	Gasoline	13	16	500.00
SDN CHEVY LUMINA 4DR	93	1	Gasoline	20	29	7,713.57
TOYOTA TACOMA PKUP TRUCK	98	1	Gasoline	20	27	7,100.00
FORD TAURUS 4DR SDN	05	1	Gasoline	19	25	14,941.91
P/U TOYOTA TACOMA	03	1	Gasoline	20	23	3,567.71
VAN DODGE	90	1	Gasoline	19	26	2,500.00
SDN CHEVY 4DR	90	1	Gasoline	23	32	2,500.00
SDN CHEVY 4DR	90	1	Gasoline	23	32	2,500.00

VEHICLE DESCRIPTION	MODEL YEAR	GROSS VEHICLE WEIGHT RATING	VEHICLE FUEL CONFIGURATION	CITY MPG	HWY MPG	ACQUISITION COST
SDN CHEVY 4DR	90	1	Gasoline	23	32	2,500.00
SDN CHEVY 4DR	91	1	Gasoline	23	32	3,000.00
VAN CHEVY	83	2	Gasoline	16	20	7,383.42
FORD TAURUS	93	1	Gasoline	19	25	15,713.59
SDN PONTIAC GRAND PRIX 4DR	94	1	Gasoline	19	28	13,039.67
SDN PONTIAC GRAND PRIX 4DR	94	1	Gasoline	19	28	825.00
SDN FORD CROWN VICTORIA 4DR	95	1	Gasoline	18	25	17,450.00
SDN FORD CROWN VICTORIA	97	1	Gasoline	18	25	8,000.00
VAN CARGO FORD	86	2	Gasoline	15	20	1,283.54
SDN FORD CROWN VICTORIA	99	1	Gasoline	18	25	33,736.24
SDN FORD CROWN VICTORIA	99	1	Gasoline	18	25	33,736.24
SDN CHEVY CAPRICE 4DR	93	1	Gasoline	18	26	3,000.00
SDN DODGE DIPLOMAT FD	85	1	Gasoline	16	21	1,500.00
SDN CHEVY CAPRICE 4DR	91	1	Gasoline	18	26	2,500.00
VAN FORD AEROSTAR	93	1	Gasoline	15	20	825.00
VAN FORD AEROSTAR	93	1	Gasoline	15	20	825.00
VAN CHEVY (12 PASSENGER)	01	2	Gasoline	16	21	27,865.00
VAN CHEVY (12 PASSENGER)	01	2	Gasoline	16	21	27,865.00
VAN CHRYSLER VOYAGER	00	2	Gasoline	16	22	16,666.66
FORD TAURUS 4DSD	01	1	Gasoline	19	25	14,790.72
BUS FORD	96	N/A	N/A	N/A	N/A	55,617.00
SDN FORD CROWN VICTORIA	02	1	Gasoline	17	25	22,363.80
SDN FORD CROWN VICTORIA	02	1	Gasoline	17	25	22,363.81
P/U TRUCK FORD RANGER	02	1	Gasoline	17	22	14,000.00
P/UP FORD RANGER	00	1	Gasoline	17	22	13,720.00
VAN CHEVY	03	2	Gasoline	16	20	37,770.42
CROWN VICTORIA FORD	03	1	Gasoline	18	25	23,716.16
FORD CROWN VICTORIA POLICE INTER	00	1	Gasoline	16	20	8,000.00
CHEVY CAPRICE SEDAN	93	1	Gasoline	18	26	300.00
CHEVY IMPALA POLICE INTERCEPTOR	01	1	Gasoline	20	30	2,500.00
CHEVY IMPALA POLICE INTERCEPTOR	01	1	Gasoline	20	30	3,200.00
SDN FORD CROWN VICTORIA	02	1	Gasoline	18	25	8,000.00
CHEVY 4DSD IMPALA	02	1	Gasoline	19	29	3,200.00
CHEVY 4DSD IMPALA	02	1	Gasoline	21	32	2,500.00
SDN FORD CROWN VICTORIA	04	1	Gasoline	18	25	4,000.00
DODGE VAN (7 PASSENGER)	10	1	Gasoline	17	24	28,545.00
DODGE VAN (7 PASSENGER)	10	1	Gasoline	17	24	28,545.00
JEEP MPVH	95	1	Gasoline	18	20	17,593.82
SDN FORD CROWN VICTORIA	99	1	Gasoline	17	25	35,744.56
SUV CHEVY TAHOE	99	2	Gasoline	12	16	44,828.11
FORD ECONOLINE CLUB VAN	05	1	Gasoline	15	20	32,873.36
FORD ECONOLINE CLUB VAN	05	1	Gasoline	15	20	32,873.36
FORD CROWN VICTORIA	05	1	Gasoline	18	25	34,634.86
SDN FORD CROWN VICTORIA	03	1	Gasoline	18	25	4,000.00
FORD TAURUS 4DR SDN	05	1	Gasoline	19	25	14,941.91
FORD EXPLORER SUV 2WHEEL DR	05	1	Gasoline	14	20	22,184.80
SDN FORD CROWN VICTORIA	99	1	Gasoline	18	25	34,211.24
SDN FORD CROWN VICTORIA	03	1	Gasoline	18	25	30,238.05

VEHICLE DESCRIPTION	MODEL YEAR	GROSS VEHICLE WEIGHT RATING	VEHICLE FUEL CONFIGURATION	CITY MPG	HWY MPG	ACQUISITION COST
CHEVY IMPALA	03	1	Gasoline	21	32	3,500.00
P/U TRUCK DODGE RAMCHARGER	91	1	Gasoline	13	17	3,000.00
SDN FORD CROWN VICTORIA 4DR	00	1	Gasoline	18	25	31,876.88
CHEVY IMPALA POLICE INTERCEPTOR	01	1	Gasoline	16	20	7,500.00
FORD CROWN VICTORIA	05	1	Gasoline	18	25	38,773.77
FORD CROWN VICTORIA	05	1	Gasoline	18	25	38,773.77
SDN FORD CROWN VICTORIA	99	1	Gasoline	18	25	34,211.24
SDN FORD CROWN VICTORIA	00	1	Gasoline	18	25	30,238.05
VAN CHEVY ASTRO PASS	94	2	Gasoline	16	20	8,000.00
FORD BRONCO	92	1	Gasoline	14	18	11,000.00
SDN CHEVY IMPALA 4 DR	00	1	Gasoline	19	29	7,739.43
SDN CHEVY IMPALA 4 DR	00	1	Gasoline	19	29	7,739.43
CHEVY PVAN	99	1	Gasoline	16	20	4,000.00
FORD VAN - 7 PASSENGER	01	1	Gasoline	17	22	7,000.00
SDS OLDS 4DSD	02	1	Gasoline	19	25	4,500.00
SDS DODGE 4DSD	04	1	Gasoline	19	25	6,700.00
SDS DODGE 4DSD	04	1	Gasoline	19	25	6,700.00
P/U CHEVY	01	1	Gasoline	15	20	4,500.00
CHEVY VAN - 7 PASSENGER	01	1	Gasoline	19	25	24,732.00
SDS FORD 4DSD	99	1	Gasoline	19	25	28,542.00
SDS FORD 4DSD	99	1	Gasoline	19	25	28,542.00
SDS FORD 4DSD	00	1	Gasoline	19	25	25,858.00
SDN CHEVY CORSICA	90	1	Gasoline	24	31	5,550.00
VAN CHEVY ASTRO	88	2	Gasoline	18	20	5,400.00
BUS CHEVY (15 PASSENGER)	91	2	Gasoline	16	20	18,200.00
VAN FORD WINDSTAR	98	1	Gasoline	18	25	18,200.00
		1		-		
P/UP CHEVY BUS FORD CHAMPION (14 PASSENGER)	00	2	Gasoline	15 N/A	20	29,530.00
	97		Gasoline	N/A	N/A	3,500.00
ECONOLINE FORD 15 PASS CLUB WAGON	05	2	Gasoline	19	19	22,354.80
FORD TRUCK	06	1	Gasoline	21	26	13,898.31
MAZDA TRUCK	00	1	Gasoline	15	19	11,101.00
VAN FORD	07	1	Gasoline	15	20	19,156.14
VAN CHEVY (7 PASSENGER)	09	1	Gasoline	19	25	29,373.00
VAN CHEVY (7 PASSENGER)	03	1	Gasoline	16	20	29,373.00
VAN CHEVY ASTRO	92	1	Gasoline	15	19	6,879.65
SUV CHEVY (15 PASSENGER)	92	2	Gasoline	16	21	23,341.65
SUV CHEVY S10 BLAZER	92	1	Gasoline	13	16	5,000.00
VAN CHEVY	92	1	Gasoline	16	20	7,000.00
P/U CHEVY	87	1	Gasoline	15	20	5,000.00
P/U CHEVY S/W GMC	73 86	1	Gasoline Gasoline	15 15	20 21	2,500.00 2,500.00
P/U TRUCK DODGE RAM CHARGER	87	1	Gasoline	13	17	5,000.00
VAN CHEVY (7 PASSENGER)	95	1	Gasoline	15	20	30,932.39
SUV FORD BRONCO	88	2	Gasoline	14	18	15,000.00
P/U CHEVY K-20 4X4	98	1	Gasoline	15	20	24,185.20
P/U CHEVY K-20 4X4	98	1	Gasoline	15	20	24,185.20
P/U CHEVY S-10	98	1	Gasoline	15	20	15,439.95
P/U CHEVY S-10	98	1	Gasoline	15	20	15,439.95
P/U CHEVY S-10 VAN CHEVY EXPRESS	98 98	1	Gasoline Gasoline	15 16	20 20	15,439.95 24,995.00

VEHICLE DESCRIPTION	MODEL YEAR	GROSS VEHICLE WEIGHT RATING	VEHICLE FUEL CONFIGURATION	CITY MPG	HWY MPG	ACQUISITION COST
VAN CHEVY EXPRESS	98	2	Gasoline	16	20	24,995.00
TRUCK DODGE FLTBD	87	2	Gasoline	N/A	N/A	1,200.00
P/U FORD	08	1	Gasoline	14	20	20,560.00
FRHT FORD BUS (22 PASSENGER)	96	8	Gasoline	N/A	N/A	10,000.00
FORD BUS (28 PASSENGER)	99	8	Gasoline	N/A	N/A	15,000.00

## Department of Public Safety FY11 Fuel Report

PROGRAM	COST OF FUEL		
Non-State Facilities	\$432.00		
НССС	\$48,531.00		
MCCC	\$6,685.00		
0000	\$44,048.00		
WCCC	\$18,987.00		
Intake Service	\$1,892.00		
Sheriff	\$135,300.00		
Admin	\$12,684.00		
HCF	\$20,011.00		
WCF	\$28,107.00		
КССС	\$11,311.00		
CSP	\$37,019.00		
Health care	\$430.00		
NED	\$10,825.00		
НРА			
Total	\$376,262.00		