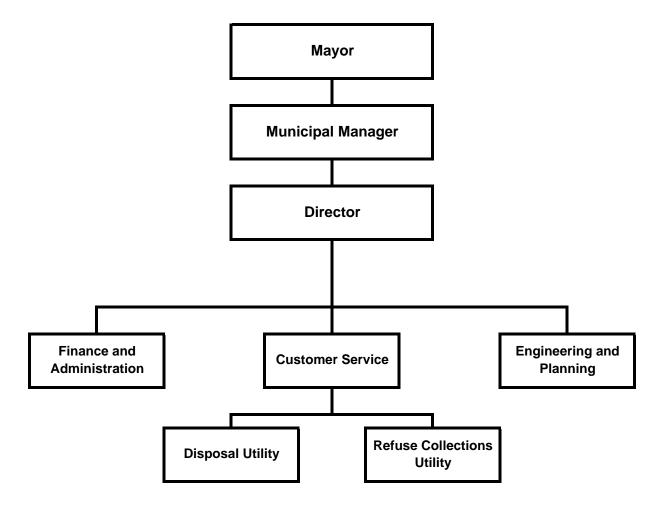
Solid Waste Services



Solid Waste Services Organizational Overview

Solid Waste Services, comprised of the Refuse Collection Utility and Solid Waste Disposal Utility, is defined as a municipal utility by Anchorage Municipal Code [AMC 26.10.015]. The Utilities are self-funded and self supporting by revenues derived from operations; primarily customer fees for services. No tax dollars are used by Solid Waste Services (SWS) operations. By Code and Municipal Charter, each utility is required to operate in accordance with general business standards common to the solid waste industry [Charter Article 16.01] and to provide a reasonable profit in accordance with industry standards [AMC 26.10.060].

To support Refuse Collection and the Disposal Utilities, SWS is comprised of three operating divisions: Engineering, Customer Service, and Administration. Each SWS supervisor reports to the Director.

Director

The Director is responsible for the overall management of SWS. The Director oversees operational decisions, with the Solid Waste and Recycling Advisory Commission providing an overview of strategies, operating plans and budgets, along with offering input on solid waste issues, ordinances and policies.

Refuse Collection Utility

Refuse Collection Utility provides both residential and commercial service to the "City of Anchorage" service area.

Commercial refuse collection is performed with a fleet of six commercial frontload refuse collections vehicles with a single operator on six routes serviced Monday through Friday and two routes on Saturdays. Refuse Collection services over 5,000 dumpsters weekly, with a route average of 635 dumpsters weekly and 127 dumpsters daily. All commercial refuse collected and unloaded at the Central Transfer Station.

Commercial dumpster service is supported by a container repair technician who is responsible for the transportation of commercial refuse containers between sites while operating a medium-duty flatbed truck and forklift, as well as the repair, cleaning, and inventory of dumpsters.

Residential service is changing, with all customers shifting into automated operations in 2013. Residential refuse and curbside recycling collection is performed with a fleet of five automated sideload vehicles with a single operator on five routes serviced Monday through Friday. Three automated residential trash routes service over 10,000 customers weekly, with a daily route average of 726 services. Recycling curbside is performed by two routes that service over 9,500 customers weekly, with an average of 700 daily. The remaining 2,000 can and bag customers receive traditional can/bag service collected manually, and are scheduled for conversion to automated service in the 2013. All residential refuse is collected and unloaded at the Central Transfer Station. Residential recycling is transported and unloaded at the Anchorage Recycling Center. Refuse Collections pays a recycling tipping fee.

Residential automated service is supported by a container inventory technician who is responsible for the transportation of trash and recycling roll carts between customer locations by a medium-duty cargo van, as well as the repair, cleaning, and inventory of roll carts.

Mixed paper and cardboard recycling collection for municipal offices began in 2005, and is provided on a weekly, bi-weekly, and monthly basis to more than 50 locations using 64-gallon roll-carts. Recycling service is provided using a semi-automated vehicle with a single operator. The average weight of mixed paper and cardboard collected annually is 112 tons. Mixed paper and cardboard is transported and unloaded at the Anchorage Recycling Center with no tipping fees and at no cost to MOA general government. The donation to general government is being evaluated.

All refuse and recycling collection activities are currently performed by the following positions:

General Foreman – Responsible for a total program of refuse collections.

Working Foreman – Coordinates daily activities associated with refuse collections.

Commercial Equipment Operators – Operates commercial frontload vehicles to service dumpsters for collection of commercial waste.

Residential Equipment Operators – Operates automated sideload vehicles to service roll carts for collection of residential waste.

Swampers – Assists with collection of commercial and residential waste.

Container Repair Technician – Responsible for transportation, repair, cleaning, and inventory of commercial dumpsters.

Container Inventory Technician – Responsible for transportation, repair, cleaning, and inventory of residential trash and recycling roll carts.

Refuse collection fleet consists of ten 40 cubic yard commercial frontload vehicles, nine 27 cubic yard automated sideload vehicles, one 25 cubic yard rear loader, six light-duty support vehicles, and one forklift. When Refuse Collection eliminates can and bag service in 2013, the residential manual 20 cubic yard vehicles and a 40 cubic yard frontloader will be sold.

Located within a warm storage facility at the central transfer station, Refuse Collection vehicle maintenance employees repair and maintain the refuse collection fleet.

Refuse Collection employees are members of the Teamster's union and Vehicle Maintenance employees are with the International Brotherhood of Electrical Workers. All operators are required to participate in a pre-route safety-operations briefing, and daily DOT required pre-shift and post-shift vehicle inspections.

Disposal Utility

The main function of the Disposal Utility is to dispose of household and commercial refuse generated in the Municipality. The refuse is brought to three locations: Girdwood Transfer Station, Central Transfer Station and the Anchorage Regional Landfill. The Disposal Utility has an extensive fleet of specialized equipment for the disposal of refuse that is maintained, operated and supported by highly skilled and trained individuals located at the landfill.

The Girdwood Transfer Station (GTS) receives over 10,000 household garbage loads totaling 800 tons of refuse annually. GTS has a paved area where garbage is discarded into an enclosure containing a 120 cubic yard trailer for transfer to the Central Transfer Station. GTS accepts used oil and batteries from customers. The items are picked up by Household Hazardous Waste contractors for proper disposal, recycling or for reuse.

The Central Transfer Station (CTS) is located between the old and new Seward Highways on 56th Avenue. The CTS transfers on average 50 loads totaling 1,000 tons per day. The refuse is transferred to the landfill by SWS tractors pulling 120 cubic yard open top trailers, referred to as transfer trucks. First, commercial and residential refuse is dumped on the tipping floor. Next, the transfer trucks pull into one of two loading pits and the refuse is pushed into the trailers by front end loader operators on the tipping floor. The refuse is then packed down in the trailers by a knuckle boom crane operator located above each loading pit. Finally, the loaded trailers are then driven to Anchorage Regional Landfill. CTS accepts residential used oil, batteries and appliances that are picked up by contractors for proper disposal, recycling or for reuse.

The Disposal Utility has a Household Hazardous Waste facility operated by a private contractor at CTS. Customers can drop off small quantities (less than 220 pounds per month) of unregulated hazardous waste not allowed in the landfill; some of the items are made available for reuse by the public at a Paint and Materials Exchange building located near the entrance on East 54th Avenue.

The Anchorage Regional Landfill (ARL), located near the intersection of the Glenn Highway and Hiland Road, is a 275 acre, award-winning, subtitle D landfill that disposes of 1,400 tons of refuse daily. Currently, nine cells are constructed, with a total of 12 cells to be developed. Every day the refuse is compacted, and then, by regulation, it must be covered using bulldozers. The cover material comes from the excavation of future cells. Each landfill cell is lined and contains a leachate collection system. Leachate is transported in pipelines to collection lagoons for pre-treatment. The leachate is aerated to increase the oxygen levels. On average, three specially designed leachate tankers transport and dispose of 50,000 gallons a day.

ARL employees are responsible for the daily disposal of refuse, the excavation and hauling of daily cover material, the installation and maintenance of landfill gas recovery wells and lines, the hauling leachate, the building and maintaining roads, snow removal, dust control and equipment repair.

Created in 2008, the Disposal Utility is responsible for a municipality-wide recycling program which has seen success in the last four years, as recycling has increased and trash disposed in the landfill has gone down; thus extending the life of the landfill. Funded from a recycling surcharge, the program promotes recycling and the recycling industry. The most visible feature is the semi-annual 'Anchorage to Zero Waste Guide'. Two part-time recycling coordinators answer public inquiries, and, in coordination with private and non-profit partners, prepare educational media campaigns and events related to recycling.

The surcharge has funded the development of an expanded paved public recycling dropoff site at the landfill that accepts aluminum cans, paper, plastic and cardboard. The materials are taken to the Anchorage Recycling Center. The program also provides support to public space recycling and to the Anchorage School District which collects mixed paper from all ASD facilities. Recycling is further supported through a grant for Christmas tree recycling, and a grant to offset the Port of Anchorage wharfage fees that the Anchorage Recycling Center pays to ship recyclables out of state. A large, but less visible effort is economic and business development grants. The funds are used for developing local recycling businesses reusing materials in-state, such as glass, tires, construction and demolition debris and organics.

Located within a warm storage facility located at ARL, vehicle maintenance employees repair and maintain heavy equipment and Disposal vehicles.

The main Household Hazardous Waste facility is located at ARL. It is operated by a private contractor that serves the residential and small business customers.

Engineering and Planning

Engineering and Planning consists of one engineer / manager and two engineering technicians. The group has these main functions:

- Planning, design and construction of new facilities;
- Major facility upgrades and repairs;
- Technical landfill operations;
- Landfill gas collection system operation
- Regulatory compliance

The division is responsible for planning, design and management of construction on landfill expansion cells, gas collection system piping, and landfill closure projects. Over the next ten years, the Engineering will manage over \$38 million in planned landfill cell construction. The division relies on contracted engineering services for major design and construction projects. As the landfill development progresses, engineering efforts will turn toward more closure and reclamation projects such as capping, re-vegetation and storm water management. The current closure cost includes \$36 million (2005 dollars) of closure construction work that will be conducted over a period of 20 years.

As facilities age, the Engineering and Planning division is responsible for planning, design and procurement of services for major repair and maintenance activities. These activities include periodic reconstruction of the Central Transfer Station tipping floor, paving of roads and work areas at the landfill, and rehabilitation of landfill gas and leachate wells and piping systems.

The Engineering and Planning division provides technical support to the Solid Waste Disposal landfill operations staff to improve landfill operations and maximize landfill airspace utilization. In 2011 and 2012, the division helped re-engineer outer landfill slopes, recovering landfill volume equivalent of nearly one year of waste disposal. The engineering staff monitors waste compaction and daily cover quantities. The division provides support for planning fill operations, developing access roads, and efficiently mining cover materials from the site. In 2011, in addition to processing approximately 300,000 tons of solid waste, the landfill crew mined in excess of 450,000 tons of gravel for current and future cover operations.

Operation of the landfill gas collection system will change from a compliance activity to a commercial production activity after startup of the Landfill Gas to Energy contract with

Doyon Utilities in late 2012. Operation will include daily checks on key operating parameters, as well as routine maintenance of well heads and monitoring equipment. The system will require bi-weekly checking and rebalancing of the 58 current gas collection points to optimize the efficiency of the gas collection system while maximizing the gas output delivered to Doyon Utilities.

The Engineering and planning division is responsible for compliance with environmental regulations at the Anchorage Regional Landfill, as well as three closed landfill sites. All sites have groundwater monitoring and reporting requirements, as well as solid waste permit compliance requirements relating to operation or post-closure monitoring. The Merrill Field landfill site has active landfill gas and leachate management systems which have both operational and regulatory reporting requirements.

The Anchorage Regional Landfill operates under an active Class I landfill operating permit, as well as a Title V Air Quality operating permit, both issued by the Alaska Department of Environmental Conservation. In addition to specific operating requirements, these permits require numerous inspections, as well as documentation and reporting requirements. Because the landfill accepts asbestos wastes, it is regulated under National Emissions Standards for Hazardous Air Pollutants which requires inspection and documentation of every load of regulated material received. Both the Landfill and Central Transfer Station have Storm Water Pollution Prevention Plans approved by the Alaska Department of Environmental Conservation which have regular inspection, monitoring, sampling and reporting requirements.

Customer Service

The Customer Service division is the direct communication link to the two utilities' customers. Not only does the division manage Refuse Collection garbage service requests, explain rates, enforce solid waste municipal codes, manage billing and debt collection, Customer Service also greets Disposal Utility customers, and conducts business with the public and the commercial haulers at the Central Transfer Station, Girdwood Transfer Station, and the Anchorage Regional Landfill. To facilitate and promote waste management efforts, the division collaborates with local organizations such as the Anchorage Chamber of Commerce, Anchorage Downtown Partnership, ALPAR, City Wide Spring Clean-Up, as well as schools, universities, and the military bases.

The Customer Service division consists of a Senior Administrative Officer, Junior Administrative Officer, Debt Collector, Administrative Account Representatives, Scale House/Cash Booth Representatives and a Code Enforcer. Customer Service Account Representatives are located in the main administrative building, but also work at two scale houses and three cash booth locations from Girdwood to Eagle River all days of the week between the hours of 6:15 a.m. to 5:30 p.m.

The Customer Service division responds to incoming calls and assists customers at the counter with payments or other service-related matters such as trash collection, proper disposal regulations, municipal ordinances, general hazardous waste disposal, recycling awareness, and billing-related questions. Receiving over 300 calls per day, the representatives setup site services, work to resolve customer's complaints and ensure that the best services are being provided for both trash pick up and disposal. The representatives facilitate work orders for route drivers, assist drivers in the field by radio

communication and ensure proper billing for services for each property that Refuse Collection Utility services and for Disposal Utility customer accounts.

The Debt Collection Representative is responsible for the investigation, analysis, and follow-up of overdue customer accounts. To obtain information and to secure the collection of debt, the Representative corresponds with customers, attorneys, outside agencies. To assist customers, payment agreements and plans are prepared.

The Code Enforcer monitors the SWS service area by actively facilitating corrective action for or resolution of code violations observed in the field or by general public complaints received.

Working inside two scale houses or three cash booths, the Disposal Utility Account Representatives screen customer loads, process charges and fees, assist with hazardous waste or recycling questions, and monitor the safety of customers and employees. The Customer Service Division is responsible for face-to-face interaction with over a quarter of a million customers per year.

Recognizing that the solid waste business is dangerous, the Customer Service strives to educate customer about safe disposal of waste and efficiently respond to as many waste related issues as possible to meet the needs of our customers. SWS works together to resolve customer issues as promptly as possible. Safety and customer service are the highest priorities.

Administration

The Administration division provides support to the Director and to each Utility. It is responsible for IT Systems & Communications, Safety, Finance & Accounting, Purchasing, and Accounts Payable, as well as human resources, labor relations, security, code enforcement, facility maintenance, and vehicle parts inventory functions.

The IT Systems & Communications Section. The IT section manages the solid waste based computer systems that track loads, weights, customer accounts receivable, billing, revenues, as well as the upload of SWS data into the Municipal accounting systems.

In addition, the section is responsible for the maintenance and technical support of the SWS 120,000 pound IP-based commercial truck scales for the Disposal Utility. The commercial scales are a vital resource that must be properly maintained and certified in order to conduct commerce, and are essential in monitoring the amount of waste Anchorage generates. The Disposal Utility has four scales at two locations—the Central Transfer Station and Anchorage Regional Landfill—which weigh and process over 150,000 transactions annually. This information is used for a multitude of business purposes such as revenue accounting, budget forecasting, and estimated landfill life.

The two SWS IT staff maintain all technology devices/equipment, and the associated software applications—nearly 200 networked and local devices running a multitude of applications (AD, SQL, IIS, Tower, Database, File, Print Server, and Antivirus Suites), along with numerous other hardware devices necessary to operate an efficient and safe, local and wide area network.

The SWS IT Staff also researches, evaluates, and implements existing and emerging technologies when deemed necessary, fiscally responsible, and/or becomes critical to operations. For example, in 2005 SWS completed a database conversion, and moved from a mainframe database in use since 1985 to a SQL platform, reducing software and hardware cost by \$20,000 annually (\$140,000 saved and still counting). The solid waste focused PC Scale Tower system that replaced the mainframe is not only less expensive to maintain, but also far more modern, scalable, and advanced than the previous system. It enables users to create and develop reports instantaneously. Current projects under evaluation include a Tower-integrated GPS system, landfill geotechnical systems to aid in proper compaction (less compacter passes, reclaimed air space, extends landfill life), and e-billing implementation.

The IT Staff at SWS recognizes the importance of technology in relation to business, and they are committed to ensuring that business requirements drive that technology—not vise versa.

The Safety Section. The Safety Section ensures that all operations are conducted in a safe manner. The Safety Section is responsible for compliance with OSHA safety standards by ensuring that the work environment is safe, as well as identifying and mitigating potential hazards for SWS employees and the public long before the hazard becomes an accident statistic.

The Safety Section is responsible for the development, administration and enforcement of safety codes, rules and practices. The Safety Officer inspects buildings, projects, equipment, operating practices and working conditions for compliance with various Municipal, State and Federal safety codes and regulatory requirements. The Safety Officer coordinates safety programs in training, personal protective equipment, clothing and devices, as well as organizes and conducting seminars on first aid and OSHA required safety training. The Safety Officer prepares reports and makes recommendations for improvement. By analyzing data on accident rates and compensation claims, the Safety Officer develops methods to reduce costs, loss time and personnel suffering.

Finance & Accounting Section. The Finance and Accounting section manages the financial matters of the two utilities, including the accounting for revenues and expenses, the preparation of budgets, asset management, capital expenditures, as well as providing financial reports to SWS managers, the Advisory Commission, the Administration and the Assembly.

The Purchasing Accounts Payable & Payroll section. The Purchasing and Accounts Payable section is responsible for the procurement of and the payment for all equipment, supplies, and contracts, in coordination with other municipal departments. Two employees process all accounts payable for both utilities. Invoices are received, checked, account coded, approved and entered into PeopleSoft for payment. Purchase orders are initiated at SWS: verifying proper account codes and funding, attaching all supporting documentation, obtaining proper department approval and then forwarding the packets to MOA Purchasing for final approval. Over 100 SWS timecards are processed each week into the PeopleSoft system from the Kronos timekeeping system to ensure proper pay and cost of service coding. Other support duties include: ordering office supplies, processing travel authorizations, expense reports, incoming and outgoing mail, maintaining files, providing administrative support to supervisors and to

the SWS Advisory Commission.

The SWS philosophy is to retain a small staff, while encouraging safety and dedication to a job well done.

Solid Waste Services Business Plan

Mission

Provide management of our solid waste resources to create a safe and sustainable waste system for the Municipality of Anchorage (MOA) in a way that is economical and environmentally responsible.

Services

The Refuse Collection Utility provides garbage collection to the service area of the former City of Anchorage, which is approximately 20% of the population of the MOA. Since at least 1952 there has been mandatory service for all occupants of the Refuse Collections Utility service area. The Refuse Collections Utility provides three types of service: commercial dumpster, automated roll cart service, and can and bag service.

The Solid Waste Disposal Utility serves the entire MOA. The services include the disposal of solid waste, the collection of household hazardous waste, and the promotion of community recycling. Municipal solid waste is received at three transfer stations located within MOA. The waste is then transported by the Utility to the Anchorage Regional Landfill for final disposal.

Business Goals

- Provide exceptional customer service for an equitable cost to the customer.
- Ensure facilities are safe for the customers and for Solid Waste Services employees
- Provide proper disposal of hazardous waste for commercial and residential generators.
- Promote community involvement through education and be responsive to the needs and concerns of municipal citizens.
- Use technology to optimize operations.
- Plan and prepare for current and future waste collection and disposal needs.
- Create incentives and programs to promote source reduction first, then recycling, then treatment, and finally disposal as the preferred means to handle waste.

Strategies to Achieve Goals

Solid Waste Services strategic plan provides a framework to achieve results for customers.

Refuse Collection Utility

- Reduce refuse volumes by promoting waste reduction and increased curbside recycling diversion
- 2. Reduce injuries associated with residential refuse collection.

Disposal Utility

- 1. Optimize solid waste transfer truck utilization.
- 2. Setting rates that reflect the cost of services while maintaining infrastructure.

Performance Measures to Track Progress in Achieving Goals

Solid Waste Services measures progress in achieving these goals using sets of quantifiable performance measures.

Refuse Collections Utility

- 1. Percent change in recyclable material diverted from the residential waste stream.
- 2. Percent change in worker injuries.

Disposal Utility

- Solid waste transfer truck payload weight.
 Maintain positive revenue stream.

Disposal Utility Solid Waste Services

Anchorage: Performance. Value. Results.

Mission

Dispose of municipal solid waste generated within the Municipality in compliance with state and federal regulations.

Core Services

- Operate the Anchorage Regional Landfill (ARL)
- · Operate the solid waste transfer stations and transfer fleet
- Promote community recycling efforts

Accomplishment Goals

Optimize solid waste transfer truck utilization

Performance Measures

Progress in achieving goals shall be measured by:

- Solid waste transfer truck payload weight
- Transfer loads per driver shift

Measure #1: Average transfer payload rate

The following provides actual average payloads by month from January 2009 through June 2012.

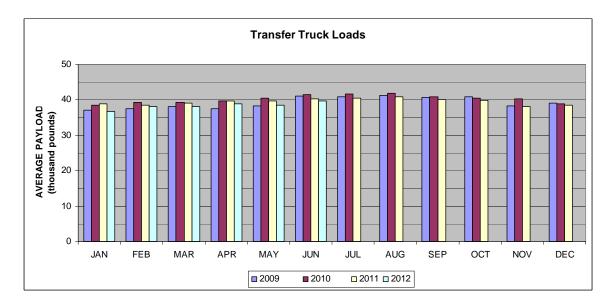


Table 1. Payload Data 2011 – 2012

			EXCEEDING TARGET		EXCEEDING (+/- 5	
MONTH	LOADS	AVERAGE WEIGHT	LOADS		LOADS	
JUL	930	39,850	507	55%	863	93%
AUG	788	38,136	456	58%	983	93%
SEP	794	38,529	510	64%	823	85%
OCT	930	39,850	507	55%	770	83%
NOV	788	38,136	456	58%	635	81%
DEC	794	38,529	510	64%	676	85%
JAN	778	36,689	288	37%	474	61%
FEB	703	38,192	417	59%	608	86%
MAR	733	38,115	418	57%	597	81%
APR	851	38,840	623	73%	773	91%
MAY	1,104	38,579	217	20%	545	49%
JUN	1,014	39,631	441	43%	848	84%

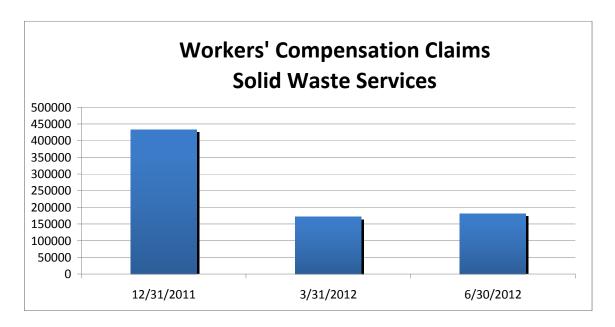
Table 2. Loads per Driver Shift Data 2011 – 2012

MONTH	SHIFTS	SHIFTS > 5 LOADS		SHIFTS >	- 4 LOADS
JUL	196	143	73%	184	94%
AUG	218	173	79%	202	93%
SEP	206	141	68%	203	99%
OCT	188	153	81%	184	98%
NOV	173	101	58%	163	94%
DEC	175	101	58%	162	93%
JAN	184	54	29%	165	90%
FEB	167	56	34%	144	86%
MAR	168	88	52%	144	86%
APR	183	117	64%	174	95%
MAY	176	133	76%	171	97%
JUN	208	156	75%	195	94%

PVR Measure WC: Managing Workers' Compensation Claims

Reducing job-related injuries is a priority for the Administration by ensuring safe work conditions and safe practices. By instilling safe work practices we ensure not only the safety of our employees but reduce the potential for injuries and property damage to the public. The Municipality is self-insured and every injury poses a financial burden on the public and the injured worker's family. It just makes good sense to WORK SAFE.

Results are tracked by monitoring monthly reports issued by the Risk Management Division.



Refuse Collection Utility Solid Waste Services

Anchorage: Performance. Value. Results.

Mission

Provide solid waste collection and disposal service to rate-paying customers within our defined service area.

Core Services

- Provide dumpster service to commercial and multifamily residential customers.
- Provide automated garbage and curbside recycle collection and disposal to residential customers.
- Provide manual garbage collection to residential customers not serviced by automated routes

Accomplishment Goals

- Reduce refuse disposal volumes by promoting waste reduction and increased curbside recycling diversion.
- Reduce injuries associated with residential refuse collection.

Performance Measures

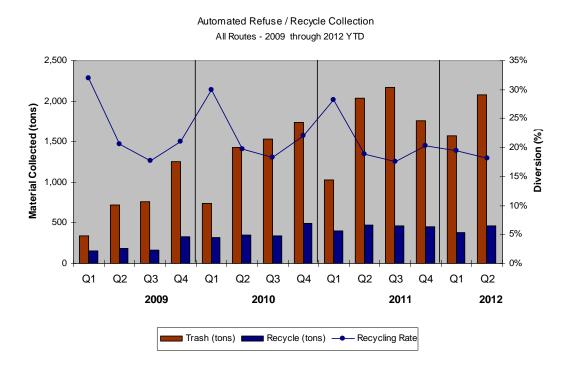
Progress in achieving these goals will be measured by:

- Percent change in recyclable material diversion from the residential waste stream.
- Percent change in worker injuries

The following provides actual data from 2012 year-to-date and previous years which quantify these measures:

Measure #2: Increase curbside recycle diversion

SWS Refuse Collection Residential Waste and Recycle Tonnage



Measure #3: Improved safety for Refuse Collection Workers

Workers Comp Losses 2008 - 2012 Municipal Refuse Collection Utility

Service	Injury	20	08	20	09	20	110	20	11	2012	(Q2)
Туре	Туре	Incidents	Losses	Incidents	Losses	Incidents	Losses	Incidents	Losses	Incidents	Losses
Manual	TLI	4	\$29,800	2	\$76,898	2	\$52,820	1	\$17,771	0	\$0
Residential	MO / RO	5	\$799	7	\$4,565	5	\$0	1	\$98	0	\$0
Automated	TLI	0	\$0	1	\$1,735	0	\$0	0	\$0	0	\$0
Residential	MO / RO	0	\$0	2	\$0	3	\$0	1	\$0	0	\$0
Commercial	TLI	0	\$0	2	\$45,750	2	\$104,878	0	\$0	0	\$0
Commercial	MO / RO	0	\$0	0	\$0	2	\$8,900	0	\$0	2	\$0
Vehicle	TLI	0	\$0	0	\$0	1	\$83,339	0	\$0	0	\$0
Maintenance	MO / RO	0	\$0	2	\$717	1	\$0	0	\$0	0	\$0
Other	TLI	0	\$0	1	\$85,571	0	\$0	0	\$0	0	\$0
Other	MO / RO	0	\$0	1	\$0	0	\$0	4	\$2,806	0	\$0
Total	TLI	4	\$29,800	6	\$209,954	5	\$241,037	1	\$17,771	0	\$0
	MO / RO	5	\$799	12	\$5,282	11	\$8,900	6	\$2,904	2	\$0

TLI = Time lost incident

MO = Incident required medical attention but no lost time

RO = Incident required no medical attention or lost time

Solid Waste Services Highlights and Future Events

Disposal Utility

To compare prior years to the 2013 budget, the Disposal Utility 2013 total budget is projected at \$20,663,958 compared to the 2012 approved budget of 20,203,063 and 2012 Proforma of \$20,190,520. The 2013 budget is 2.3% higher than the 2012 approved budget. The increase is due to higher labor, repair, utility, and professional services costs.

One important change in the amount to be appropriated by the Assembly is the removal of two non-cash items, depreciation and landfill closure expense, totaling \$5,742,527. Depreciation expense is projected at \$4,053,302 and the estimated landfill closure cost is \$1,689,225. Although the budget appropriation excludes non-cash items, both depreciation and landfill closure costs will be included in the utility's financial statements.

Removing the \$5,742,527 of non cash items from the total budget of \$20,663,958, results in a 2013 appropriation budget of \$14,921,431, 1.45% higher than the 2012 proforma (without non cash items).

Total revenue for 2013 is projected at \$21,015,168, compared to the 2012 Proforma revenue of \$23,247,016, 4.2% higher than the 2012 budget, primarily due to the \$5 per ton rate increase and to a one-time \$2 million dollar grant for the construction of a landfill gas capital project.

Despite the rate increase and the launch of the landfill gas project, a net income of \$351,210 is forecast for 2013. With the higher anticipated expenses, an additional rate increase will likely be required in the future.

With a capital budget of \$8.2 million, 2013 capital projects include the construction of the next landfill cell, several leachate projects, and landfill equipment.

Refuse Collection

To compare prior years to the Refuse Collection 2013 budget, the Refuse Collection's total operating budget is \$9,017,187 compared to the 2012 Proforma \$8,828,153 and the 2012 approved budget \$8,849,093. The 2013 budget is 2% higher than the 2012 approved budget due to increasing labor, facility maintenance and heating costs.

One important change in the amount to be appropriated by the Assembly is the removal of depreciation, a non cash item. The Refuse Collection budget authorization figure will exclude \$949,166 of depreciation. Although the budget appropriation excludes non cash items, depreciation will be included in the utility's financial statements.

Removing the \$949,166 of depreciation from the total budget of \$9,017,187, results in a 2013 appropriation budget of \$8,068,027, 2% higher than the 2012 proforma (without depreciation).

Total revenue for 2013 is projected at \$9,471,575, compared to the 2012 Proforma revenue of \$8,975,780, a 5.5% increase. The increase is due to a proposed increase for commercial dumpster rates. The estimated Refuse Collection net income is \$454,387 for 2013.

A capital budget of \$1.7 million is proposed. Capital expenses include the purchase of three residential automated side load vehicles, and one commercial front load vehicle, as well as dumpsters for solid waste commercial customers.

Solid Waste Services External Impacts

Disposal

SWS is scheduled to construct five new landfill cells at the Anchorage Regional Landfill before the end of 2020. The Utility anticipates utilizing the State of Alaska Clean Water Loans with a low interest rate and twenty year term, whenever possible. It is unknown if the program will be funded in the future; if the eligible expenses related to landfill construction will further limit use of these funds for construction; or if SWS will be awarded loans based on the program scoring criteria. Currently the total cost of the landfill expansion is over \$38 million, with potential loan amounts estimated at \$28 million to cover those costs.

The Landfill Gas to Energy project will begin commercial operation in 2013. Revenue to the Disposal Utility derived from the sale of landfill gas to Doyon Utilities is based upon the purchase price for natural gas as reported by Chugach Electric to the Regulatory Commission of Alaska. Future revenues anticipated from this project will be based upon gas price projections by Chugach Electric and other area utilities, but the actual revenue generated will ultimately depend upon market price of natural gas in Southcentral Alaska.

Currently Doyon Utilities Inc. holds a minor air quality permit which will allow continuous operation of three generating units at the landfill gas power plant on Fort Richardson. Doyon Utilities is in the process of applying for an additional permit to operate up to five generators. Until that permit is approved, landfill gas consumption at the facility will be limited to the operating annual hours in the current permit; limiting the amount of revenue which can be generated by the project. The duration of the permitting process is highly unpredictable.

Solid Waste Services Workforce Projections

Division	2011	2012	2013	2014	2015	2016	2017	2018
Refuse Collection	23	23	28	28	28	28	28	28
Disposal	48	48	55	55	55	55	55	55
Administration	21	21	18	18	18	18	18	18
Vehicle Maintenance	9	9	-	-	-	-	-	-
Total full time	101	101	101	101	101	101	101	101
Part time	8	8	9	9	9	9	9	9
Seasonal	7	7	7	7	7	7	7	7
Total FTE	116	116	117	117	117	117	117	117

In 2013, 9 FT Vehicle Maintenance Employees shifted into Refuse Collections (5) and the Disposal Utility (4). One FT Administration position shifted into 2 PT positions, and 1 Disposal Utility Recycling Coordinator went from PT to FT. Two Administration Engineering Technicians shifted to the Disposal Utility.

Solid Waste Services - Disposal 8 Year Summary

(\$ in thousands)

Financial Overview	2011 Actual	2012 Proforma	2013 Budget	2014	2015	2016 Forecast	2017	2018
Revenues	19,015	23,247	21,015	22,027	22,166	22,310	22,512	22,659
Expenses	18,011	20,191	20,664	21,815	22,591	23,479	24,619	25,734
Net Income (Loss) - Regulatory	1,004	3,056	351	212	(425)	(1,169)	(2,107)	(3,075)
Workforce Authorized per Budget F ⁻ * Total number of Utility FT and (all SWS E (28)	48(117) imployees). In	48(116) 2013, 4 Vehicle	55(117) Maintenance Er	55(117) nployees shifted ii	55/(117) nto Disposal. SW	55/(117) /S total includes	55/(117) SWS Admin (21)	55/(117) I, Refuse
Capital Improvement Program	2,372	11,916	8,178	7,540	6,963	6,641	8,809	3,821
Bond Sales/ New Debt	3,518	-	-	-	3,957	10,574	16,657	15,740
Net Plant (12/31)	56,041	61,957	63,805	68,217	71,076	73,059	74,356	77,354
Utility Revenue Distribution	-	-	-	-	-	-	-	-
Net Assets (12/31)	32,538	35,594	35,945	36,157	35,732	34,563	32,456	29,381
General/Construction Cash Pool	4,190	(558)	(6,260)	(6,476)	(6,641)	(8,185)	(8,328)	(4,651)
Future Landfill Closure Liability	22,149	23,802	25,491	27,231	29,023	30,869	32,770	34,728
Landfill Closure Cash Reserve**	6,387	8,040	9,729	11,274	13,066	14,912	16,813	18,771
**In 2008, a restricted account to fund Bond Redemption Cash	-	ie & post-cios	ure was approv	-	-		-	-
Total Cash (12/31)	19,952	15,204	9,697	9,481	9,316	7,772	7,629	11,306
IGC's - General Government	3,176	3,893	1,946	1,288	1,327	1,367	1,408	1,450
MUSA - 1.25%	218	211	244	257	258	260	262	264
MUSA - Regular	742	699	803	857	892	916	931	968
Total Outstanding Debt	18,463	16,745	15,027	13,308	15,547	20,467	25,369	23,291
Total Annual Debt Service	1,861	1,958	1,967	1,942	2,125	2,278	2,396	2,701
Debt Coverage	4.19	4.95	3.75	4.10	3.61	3.05	2.78	2.54
Debt/Equity Ratio	42/58	36/64	32/68	28/72	33/67	58/42	58/42	87/13
Rate Percentage Change (CTS /ARI	-)							
Tipping Fee Rate per Ton (ARL / C	\$53/\$63	\$58/\$68	\$58/\$68	\$58/\$68	\$58/\$68	\$58/\$68	\$58/\$68	\$58/\$69
Pickup Rate per Load	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16
Car Rate per Load	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
Statistical/Performance Trends								
Tons Disposed	308,646	317,981	308,646	317,981	317,981	317,981	317,981	317,981
Vehicle Count	242,646	238,993	242,646	238,993	238,993	238,993	238,993	238,993

Certain actual financial figures above will not match the Comprehensive Annual Financial Report; the CAFR combines Disposal with Administrative and Vehicle Maintenance figures.

Solid Waste Services - Disposal 2013 Statement of Revenues and Expenses

	2011 Actuals	2012 Proforma	2012 Revised	2013 Proposed	13 v 12 % Change
Operating revenue					
Landfill Disposal Fees	16,796,518	19,581,424	18,845,537	18,313,200	-2.8%
Hazardous Waste Fees	170,984	254,054	203,550	257,675	26.6%
Area Wide Reycling Surcharges	962,283	672,876	637,444	446,174	-30.0%
Landfill Methane Gas Sales	-	-	-	1,351,118	100.0%
Recycle Rebate	-	(164,816)	(177,000)	(125,000)	-29.4%
Reimbursed Costs	275,826	300,000	300,000	300,000	0.0%
Unsecured Loads	· -	17,790	19,000	17,851	-6.0%
Other	260,273	5,000	5,000	5,000	0.0%
Total Operating Revenue	18,465,884	20,666,329	19,833,531	20,566,018	3.7%
Non Operating Revenue	,,	,,	,,	,,,	
Interest from cash pool	416,442	300,000	200,000	300,000	50.0%
Misc. non-operating Revenue	132,664	2,216,634	68,290	74,150	8.6%
Unrealized Gains/Losses	102,001	25,000	25,000	25,000	0.0%
Other Property Sales	_	39,053	50,000	50,000	0.0%
Total Non Operating Revenue	549,106	2,580,687	343,290	449,150	30.8%
Total Revenue	19,014,990	23,247,016	20,176,821	21,015,168	4.2%
	13,014,330	23,247,010	20,170,021	21,013,100	7.2 /0
Operating Expenses					
Labor					
Straight time	2,632,815	2,986,899	2,986,899	3,407,051	14.1%
Overtime	356,475	346,061	346,061	399,213	15.4%
Benefits	1,549,109	1,913,024	1,913,024	2,238,645	17.0%
Workers Comp	94,156	170,000	170,000	105,000	-38.2%
Leave _	379,396	414,135	414,135	488,387	17.9%
Total Labor	5,011,951	5,830,120	5,830,120	6,638,295	13.9%
Non Labor					
Non Labor	3,011,659	3,747,283	3,747,583	5,043,523	34.6%
Travel	6,906	14,175	13,675	11,808	-13.7%
Landfill Closure Costs	1,689,202	1,653,240	1,458,059	1,689,225	15.9%
Debt Service	227,532	312,323	312,323	233,671	-25.2%
Depreciation and Amoritization	3,927,288	3,829,521	3,829,521	4,053,302	5.8%
Transfers (Musa and Gross receipts)	960,047	910,442	1,118,367	1,047,191	-6.4%
Total Non Labor	9,822,634	10,466,984	10,479,527	12,078,721	15.3%
Total Direct Cost	14,834,585	16,297,104	16,309,647	18,717,016	14.8%
Charges from other departments	3,176,602	3,893,416	3,893,416	1,946,942	-50.0%
Total Operating Expense	18,011,187	20,190,520	20,203,063	20,663,958	2.3%
Non Operating Expense	,,				
Total Non Operating Expense					0.0%
Total Expenses (Function Cost)	10 011 107	20 100 F20	20 202 062	20,663,958	
=	18,011,187	20,190,520	20,203,063	20,003,936	2.3%
Net Income	4 002 002	2.056.406	(26.242)	254 240	4.420.20/
	1,003,803	3,056,496	(26,242)	351,210	-1438.3%
Appropriation					
Total Expenses				20,663,958	
Less: Non Cash items					
Depreciation and Amortization				4,053,302	
Landfill Closure Costs				1,689,225	
Amortization of bond sale cost & Issuance				-	
Amortization of loss on Refunded Debt				-	
Interest during Construction				-	
PERS On-Behalf payments			<u></u>	<u>-</u>	
Total Non Cash			_	5,742,527	

Solid Waste Services - Disposal Reconciliation from 2012 Revised Budget to 2013 Proposed Budget

		P	ositions	
	Appropriation	FT	PT	1
2012 Revised Budget	20,203,063	48	7	6
2012 One-Time Requirements				
- Transfer of non labor from Vehicle Maintenance Reorganization	1,306,076	-	-	-
Transfers (to)/from Other Agencies				
- Charges to Others	(2,051,475)	-	-	-
- Transfers (MUSA and Gross Receipts)	(71,176)	-	-	-
Debt Service Changes				
- Debt Service Changes	(78,652)	-	-	-
Changes in Existing Funding for 2013				
- Salary and benefits adjustments	328,115	3	(1)	-
- Salary and benefits adjustments from Vehicle Maintenance Reorganization	464,060	4	-	-
- Landfill and closure costs	231,166		-	-
- Depreciation/Amortization	223,781	-	-	-
2013 Continuation Level	20,554,958	55	6	6
2013 One-Time Requirements - None	-	-	-	-
Transfers (to)/from Other Agencies - None	-	-	-	-
 2013 Budget Adjustment for Accounting Transactions In 2013, in-line with best practice, MOA will no longer include accounting entry transactions for items previously appropriated. 		-	-	-
- Depreciation/Amortization considered non cash in SAP	(5,742,523)	-	-	-
2013 Proposed Budget Changes				
- Professional services - bird control	23,000	-	-	-
- ARL blowers - ARL warm storage furnace	6,000 80,000	-	-	-
- 	· 			
2013 Proposed Budget	14,921,435	55	6	6

Solid Waste Services Division Summary Disposal

(Dept ID # 8920)

	2011 Actuals	2012 Revised	2013 Proposed	13 v 12 % Chg
Direct Cost by Category				
Salaries and Benefits	5,011,951	5,830,120	6,638,295	13.86%
Supplies	193,823	130,000	1,507,200	1059.38%
Travel	6,906	13,675	11,808	<13.65%>
Contractual/Other Services	5,467,081	6,194,008	6,272,739	1.27%
Manageable Direct Cost Total	10,679,762	12,167,803	14,430,042	18.59%
Debt Service, Depreciation	4,154,824	4,141,844	4,286,973	3.50%
Direct Cost Total	14,834,585	16,309,647	18,717,015	14.76%
Revenue bv Fund Fund 562 - Solid Waste Disposal	19,014,989	20,176,821	21,015,168	4.16%
Revenue Total	19,014,989	20,176,821	21,015,168	4.16%

Positions as Budgeted

	2011 Revised		2012 Revised			2013 Proposed		
	Full Time	Part Time	Full Time	Part Time		Full Time	Part Time	
Account Rep I/II/III	-	-	-	-		3	3	
Account Representative I	-	-	-	-		1	-	
Engineering Technician I	-	-	-	-		1	-	
Engineering Technician III	-	-	-	-		1	-	
Equipment Service Tech I	-	-	-	-		1	-	
Expeditor	-	-	-	-		1	-	
General Laborer	-	-	-	-		6	4	
Refuse Disp Foreman Wkg	-	-	-	-		2	-	
Refuse Disp Technician I	-	-	-	-		3	-	
Refuse Disp Utyman I	-	-	-	-		2	-	
Refuse Disp Utyman II	-	-	-	-		2	-	
Refuse Disp Utyman III	-	-	-	-		30	1	
Seasonal Account Rep I/II/III	-	-	-	-		-	2	
Special Admin Assistant I	-	-	-	-		1	1	
Superintendent	-	-	-	-		1	-	
SWS Account Rep I/II/III	-	-	-	-		-	1	
Positions as Budgeted Total	-	-	-	-		55	12	

Solid Waste Services Division Detail

Disposal

(Dept ID # 8920)

	2011 Actuals	2012 Revised	2013 Proposed	13 v 12 % Chg
Direct Cost by Category				
Salaries and Benefits				
1101 - Straight Time Labor	2,632,815	2,986,899	3,405,395	14.01%
1201 - Overtime	356,475	346,061	399,213	15.36%
1301 - Leave/Holiday Accruals	473,552	584,135	640,662	9.68%
1401 - Benefits	1,543,655	1,906,525	2,186,525	14.69%
1501 - Allow Differentials/Premiums	5,455	6,500	6,500	_
Salaries and Benefits Total	5,011,951	5,830,120	6,638,295	13.86%
Supplies	193,823	130,000	1,507,200	1059.38%
Travel	6,906	13,675	11,808	<13.65%>
Contractual/Other Services	5,467,081	6,194,008	6,272,739	1.27%
Manageable Direct Cost Total	10,679,762	12,167,803	14,430,042	18.59%
Debt Service, Depreciation	4,154,824	4,141,844	4,286,973	3.50%
Direct Cost Total	14,834,585	16,309,647	18,717,015	14.76%
Intra-Governmental Charges				
Charges By Other Departments	3,304,341	3,956,516	2,037,750	<48.50%>
Charges to Other Departments	(127,740)	(63,100)	(90,808)	43.91%
g	(,,	(,,	(==,===)	
Program Generated Revenue				
9494 - Copier Fees	108	-	-	_
9499 - Reimbursed Cost	275,826	300,000	300,000	_
9521 - Landfill Fees	16,886,985	18,845,537	18,313,200	<2.82%>
9522 - Recycle Rebate	(90,467)	(177,000)	(125,000)	<29.38%>
9524 - Hazardous Waste Fees	170,984	107,500	160,000	48.84%
9526 - Used Oil Fees	1,157	1,050	675	<35.71%>
9527 - Refrigerant Handling Fees	84,260	87,000	88,000	1.15%
9528 - E Waste	8,342	8,000	9,000	12.50%
9532 - Misc Non-Operating Income	77,419	68,290	74,150	8.58%
9535 - Unsecured Loads	17,390	19,000	17,851	<6.05%>
9536 - Late Fees	3,495	5,000	5,000	-
9537 - Community Recycle Residential	153,299	87,037	155,700	78.89%
9538 - Community Recycle Commercial	808,984	550,407	290,474	<47.23%>
9539 - Landfill Methande Gas Sales	-	-	1,351,118	_
9672 - Prior Yr Expense Recovery	166,514	-	-	_
9742 - Other Property Sales	2,400	50,000	50,000	-
9743 - Gain/Loss Sale Property	-	-	-	_
9761 - Cash Pools Short-Term Int	416,442	200,000	300,000	50.00%
9767 - Unrealized Gains & Losses	31,930	25,000	25,000	-
9767 - Unrealized Gains & Losses 9791 - Cash Over & Short	31,930 (78)	25,000	25,000 -	-

Solid Waste Services Division Detail

Disposal

(Dept ID # 8920)

		2011 Actuals	2012 Revised	2013 Proposed	13 v 12 % Chg
Net Cost					
	Manageable Direct Cost	10,679,762	12,167,803	14,430,042	18.59%
	Debt Service, Depreciation	4,154,824	4,141,844	4,286,973	3.50%
	Charges By Other Departments	3,304,341	3,956,516	2,037,750	<48.50%>
	Charges to Other Departments	(127,740)	(63,100)	(90,808)	43.91%
	Program Generated Revenue	(19,014,989)	(20,176,821)	(21,015,168)	4.16%
	Net Cost Total	(1,003,803)	26,242	(351,211)	<1438.37%
					>

8,809

3,821

41,952

6,641

6,963

Solid Waste Services - Disposal 2013 - 2018 Capital Improvement Program (in thousands)

2013 2014 2015 2016 2017 2018 **Project Category** Total Equipment 2,073 1,761 3,918 3,332 1,448 2,902 15,434 ARL Landfill Cell Construction 4,165 4,185 2,484 6,536 93 17,463 1,569 ARL & CTS Improvements 1,840 3,020 800 800 801 8,830 100 25 25 25 225 Office Equipment 25 25

7,540

8,178

Total

Source of Funding		2013	2014	2015	2016	2017	2018	Total
Clean Water Loan		-	4,165	4,185	-	-	6,536	14,886
Commercial Loan		-	-	-	4,000	7,000	-	11,000
Equity/Operations		8,178	3,375	2,778	2,641	1,809	(2,715)	16,066
	Total	8,178	7,540	6,963	6,641	8,809	3,821	41,952

Solid Waste Services Disposal (in thousands)

		State/Fed	Equity/	
Project Title	Debt	Grant	Operations	Total
ARL Engineering and Design	-	-	120	120
Construct ARL Gas Collection System Expansion	-	-	50	50
Construct Cell 11 Infrastructure	-	-	4,165	4,165
Construct Leachate Recirculation	-	-	200	200
Construct Leachate Split Flow Vault	-	-	750	750
Construct Storm Water Containment Cell 7	-	-	250	250
Design Leachate Pipeline	-	-	60	60
Install ARL & CTS Transfer Truck Express Scales	-	-	280	280
Pave ARL Roads	-	-	50	50
Purchase GPS Landfill Survey Management System	-	-	75	75
Purchase Roll Off Containers ARL Drop Off Site Recycle Materials	-	-	143	143
Rebuild Loader	-	-	510	510
Replace 1 Loader	-	-	408	408
Replace 3 Transfer Trailers	-	-	260	260
Replace ARL Fuel Pump & Spill Containment	-	-	15	15
Replace Computer & IT Systems	-	-	25	25
Replace Gas Emission Monitor Device	-	-	11	11
Replace Light Plant	-	-	17	17
Replace Pick Ups	-	-	112	112
Replace Six Wheel Cover Truck	-	-	612	612
Tire Shredder Upgrade	-	-	35	35
Upgrade ARL Security System	-	-	30	30
Total	-	-	8,178	8,178

Solid Waste Services - Disposal Statement of Cash Sources and Uses

	2011	2012	2013
Cook Flours From Operation Activities	Actual	Proforma	Budget
Cash Flows From Operating Activities	10 010 500	22 007 064	20 665 169
Receipts from Customers	18,810,500	22,907,964	20,665,168
Payments to Employees	(4,854,216)	(5,660,120)	(6,533,295)
Payments to Vendors Net Cash Provided by Operating Activities	(6,190,805) 7,765,479	(7,824,874) 9,422,970	(7,107,273) 7,024,600
Cash Flows From Non Capital and Related Financing Activities			
Intergovernmental Revenue	(004.047)	(040,440)	(4.047.404)
Transfers to Other Funds	(964,047)	(910,442)	(1,047,191)
Transfers from Other Funds		-	-
Net Cash Used by Non-Capital and Related Financing Activities	(964,047)	(910,442)	(1,047,191)
Cash Flows From Capital and Related Financing Activities			
Proceeds from Grants	-	2,000,000	-
Proceeds from Clean Water Loans	-	-	-
Proceeds from Commercial Loans	-	-	-
Principal Payments on Long-Term Obligations	2,343,855	(1,718,267)	(1,718,267)
Interest Payments on Long-Term Obligations	(241,791)	(312,323)	(248,985)
Acquisition and Construction of Capital Assets	(2,372,205)	(11,916,020)	(8,177,844)
Landfill Post Closure Cash Reserve	(1,790,024)	(1,653,240)	(1,689,225)
Gain on Asset Impairment	-	-	-
Proceeds from Disposition of Capital Assets	2,402	39,052	50,000
Net Cash Used by Capital and Related Financing Activities	(2,057,763)	(13,560,797)	(11,784,321)
Cash Flows From Investing Activities			
Proceeds from Sale of Investments	_	-	_
Investment Income (Loss)	416,636	300,000	300,000
Net Cash Provided (Used) by Investing Activities	416,636	300,000	300,000
Net Increase in Cash	5,160,305	(4,748,270)	(5,506,913)
Cash, Beginning of Year	14,791,891	19,952,196	15,203,926
Cash, End of Year	19,952,196	15,203,926	9,697,014
Reserved Landfill Closure Account, End of Year	6,387,183	8,040,423	9,729,648
Components of Cash			
Cash and Cash Equivalents	11,053,248	15,203,426	9,696,514
Capital Acquisition and Construction Accounts	8,898,948	500	500
Cash and Cash Equivalents, End of Year	19,952,196	15,203,926	9,697,014

Solid Waste Services - Disposal Statement of Cash Sources and Uses

	2011	2012	2013
	Actual	Proforma	Budget
Reconciliation of Operating Income (Loss) to Net Cash Provided By Operating	ating Activities		
Operating Activities			
Operating Income (Loss)	1,744,610	3,940,209	1,282,073
Adjustments to Reconcile Operating Income (Loss) to Net Cash			
Provided by Operating Activities:			
Depreciation	3,927,288	3,829,521	4,053,302
Amortization of Landfill Closure Costs	1,689,202	1,653,240	1,689,225
Changes in Assets and Liabilities Which Increase (Decrease) Cash:			
Accounts Receivable	246,282	-	-
Prepaid Items and Deposits	(654)	-	-
Accounts Payable	95,171	-	-
Compensated Absences Payable	23,588	-	-
Accrued Payroll Liabilities Payable	39,992	-	-
Net Pension and Other Postemployment Benefits Obligation	-	-	
Net Cash Provided by Operating Activities	7,765,479	9,422,970	7,024,600
Non Cash Investing, Capital and Financing Activities			·
Capital Purchases on Account	-	-	-
Deferred Refunding Loss	-	-	-

Solid Waste Services - Refuse Collection 8 Year Summary

(\$ in thousands)

	2011	2012	2013	2014	2015	2016	2017	2018
Financial Overview	Actual	Proforma	Budget			Forecast		
Revenues	8,963	8,976	9,472	9,472	9,472	9,472	9,472	9,472
Expenses	8,292	8,828	9,017	9,456	9,867	10,191	10,433	10,555
Net Income (Loss) - Regulatory	671	148	455	16	(395)	(719)	(961)	(1,083)
Workforce Authorized per Budget FT*	23 (117)	23(116)	28 (117)	28 (117)	28 (117)	28 (117)	28 (117)	28 (117)
* Total number of Utility FT and (all SWS Admin (21), Disposal (67)	Employees). Ir	n 2013, 5 Vehi I	cle Maintenand	e Employees s	hifted into Refu	use Collection.	SWS total incl	udes SWS
Capital Improvement Program	133	1,206	1,703	1,699	1,459	1,612	1,811	1,633
Bond Sales	-	-	-	-	-	-	-	-
Net Plant (12/31)	3,524	3,525	3,950	4,073	5,190	5,200	5,214	5,363
Utility Revenue Distribution	-	-	-	-	-	-	-	-
Net Assets (12/31)	10,476	10,620	11,080	11,100	10,710	9,990	9,030	7,950
General/Construction Cash Pool	6,584	6,440	5,870	5,136	4,495	3,612	2,439	1,385
IGC's - General Government	1,050	907	835	860	885	912	939	968
MUSA - 1.25%	-	-	-	-	-	-	-	-
MUSA - Regular	64	55	59	71	78	78	78	80
Total Outstanding Debt	-	-	=	-	-	-	-	-
Total Annual Debt Service	-	-	=	-	-	-	-	-
Debt Service Coverage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Debt/Equity Ratio	0/100	0/100	0/100	0/100	0/100	0/100	0/100	0/100
Rate Change Percentage			16.69%					
Residential Rate per month**		•	\$14.10 - \$36.5	50 pay as you thr	ow variable resid	dential rates		
Commercial Rate (3Yd-1 per wk)	\$85.70	\$85.70	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
**Phasing in automated collection: changing from \$14.10 - \$36.50 per month,						flat fee and a	llows choices fo	or rates
Statistical/Performance Trends								
Waste Collected (Tons)	38,495	38,495	38,495	38,495	38,495	38,495	38,495	38,495
Average Residential Services	12,120	12,120	12,120	12,120	12,120	12,120	12,120	12,120
Average Dumpsters Services	4,063	4,063	4,063	4,063	4,063	4,063	4,063	4,063

Solid Waste Services - Refuse Collection 2013 Statement of Revenues and Expenses

	2011 Actuals	2012 Proforma	2012 Revised	2013 Proposed	13 v 12 % Change
Operating revenue				-	
Commercial	5,026,464	5,027,034	5,013,200	5,659,386	12.9%
Residential	3,199,990	3,199,214	3,288,109	3,307,253	0.6%
Dumpster Container Rental	463,399	460,355	463,000	460,436	-0.6%
Other Collection Revenues	126,879	160,829	124,600	-	-100.0%
Total Operating Revenue	8,816,732	8,847,432	8,888,909	9,427,075	6.1%
Non Operating Revenue					
Interest from cash pool	128,840	127,848	5,000	5,000	0.0%
Misc. non-operating Revenue	17,142	500	500	39,500	78.0%
Total Non Operating Revenue	145,982	128,348	5,500	44,500	709.1%
Total Revenue	8,962,714	8,975,780	8,894,409	9,471,575	6.5%
Operating Expenses					
Labor					
Straight time	1,120,137	1,286,432	1,286,432	1,566,763	21.8%
Overtime	85,650	111,759	111,759	116,320	4.1%
Benefits	770,788	897,203	897,203	1,181,262	31.7%
Workers Comp	38,714	68,000	68,000	45,714	-32.8%
Leave	162,886	176,032	176,032	207,756	18.0%
Total Labor	2,168,440	2,539,426	2,539,427	3,117,817	22.8%
Non Labor					
Non Labor	2,841,743	3,001,676	3,035,053	3,564,012	17.4%
Contributions to others	4,000	-	-	-	0.0%
Transfers (Musa and Gross receipts)	64,147	54,882	69,402	59,245	-14.6%
Depreciation and Amoritization	764,324	914,305	914,305	949,166	3.8%
Total Non Labor	3,674,214	3,970,863	4,018,760	4,572,422	13.8%
Total Direct Cost	5,842,654	6,510,289	6,558,187	7,690,239	17.3%
Charges from other departments	2,449,324	2,317,864	2,290,906	1,326,949	-42.1%
Total Operating Expense	8,291,978	8,828,153	8,849,093	9,017,187	1.9%
Non Operating Expense					
Interest on bonded debt	_	-	-	-	100.0%
Total Non Operating Expense	-	-	-	-	100.0%
Total Expenses (Function Cost)	8,291,978	8,828,153	8,849,093	9,017,187	1.9%
Net Income	670,736	147,627	45,316	454,387	902.7%
Appropriation					
Total Expenses				9,017,187	
Less: Non Cash items					
Depreciation and Amortization				949,166	
Amortization of bond discount/premium				(1)	
Amortization of bond sale cost & Issuance				0	
Amortization of loss on Refunded Debt				1	
Interest during Construction				(9)	
PERS On-Behalf payments				3	
Total Non-Cash			-	949,161	
Amount to be Appropriated (cash expenses)			-	8,068,027	
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Solid Waste Services - Refuse Collection Reconciliation from 2012 Revised Budget to 2013 Proposed Budget

		P	ositions	
	Appropriation	FT	PT	•
2012 Revised Budget	8,849,093	23	-	1
2012 One-Time Requirements				
- Transfer of non labor from Vehicle Maintenance Reorganization	527,775	5	-	-
Transfers (to)/from Other Agencies				
- Charges to Others	(1,238,569)	-	-	-
- Transfers (MESA and Gross Receipts)	(10,157)			
Debt Service Changes				
- Depreciation/Amortization	34,861	-	-	-
Changes in Existing Programs/Funding for 2013				
- Salary and benefits adjustments	144,847	-	-	-
- Salary and benefits adjustments from Vehicle Maintenance Reorganization	455,828	-	-	-
	8,763,678	28		1
2013 One-Time Requirements				
- None	-	-	-	-
Transfers (to)/from Other Agencies				
- None	-	-	-	-
2013 Budget Adjustment for Accounting Transactions				
 In 2013, in-line with best practice, MOA will no longer include accounting entry transactions for items previously appropriated. 	-	-	-	-
- Depreciation	(949,161)	-	-	-
2013 Proposed Budget Changes				
- Non Labor	264,015	-	-	-
- Curbside Recycling Tipping Fee RocTenn from \$15 to \$10/ton	(10,505)	-	-	-
	8,068,027	28		1
2010 1 Toposcu Budget	0,000,027	20	-	

Solid Waste Services Division Summary Refuse

(Dept ID # 8950)

	2011 Actuals	2012 Revised	2013 Proposed	13 v 12 % Chg
Direct Cost by Category				
Salaries and Benefits	2,168,440	2,540,426	3,117,817	22.73%
Supplies	104,893	53,150	504,850	849.86%
Travel	189	3,160	3,163	0.09%
Contractual/Other Services	2,804,807	3,048,144	3,115,244	2.20%
Manageable Direct Cost Total	5,078,330	5,644,880	6,741,074	19.42%
Debt Service, Depreciation	764,323	914,306	949,166	3.81%
Direct Cost Total	5,842,653	6,559,186	7,690,240	17.24%
Revenue bv Fund Fund 560 - Refuse	8,962,693	8,894,409	9,471,575	6.49%
Revenue Total	8,962,693	8,894,409	9,471,575	6.49%

Positions as Budgeted

	2011 Revised		2012 Revised		2013 P	roposed	
	Full Time Part Time		Full Time	Part Time	Full Time	Part Time	
Automated Sideloader Operator	_	_		_	_	4	_
•	_	_	_		_	•	_
Commercial Refuse Equipment Op	-	-		-	-	6	-
Dispatch Technician	-	-		-	-	1	-
Equipment Service Tech I	-	-		-	-	1	-
Equipment Tech Foreman Wkg	-	-		-	-	1	-
Equipment Technician	-	-		-	-	2	-
Expeditor	-	-		-	-	1	-
General Foreman	-	-		-	-	1	-
Parts Warehouser II	-	-		-	-	1	-
Refuse Collection Foreman Wkg	-	-		-	-	-	-
Refuse Repair Technician	-	-		-	-	1	-
Res Refuse Equipment Operator	-	-		-	-	4	-
Route Coordinator	-	-		-	-	1	-
Sideloader Operator	-	-		-	-	1	-
Swamper	-	-		-	-	3	1
Positions as Budgeted Total	-	-		-	-	28	1

Solid Waste Services Division Detail

Refuse

(Dept ID # 8950)

	2011 Actuals	2012 Revised	2013 Proposed	13 v 12 % Chg
Direct Cost by Category				
Salaries and Benefits				
1101 - Straight Time Labor	1,120,137	1,286,432	1,578,228	22.68%
1201 - Overtime	85,650	111,760	116,320	4.08%
1301 - Leave/Holiday Accruals	196,148	245,032	253,470	3.44%
1401 - Benefits	765,542	896,003	1,168,599	30.42%
1501 - Allow Differentials/Premiums	964	1,200	1,200	-
Salaries and Benefits Total	2,168,440	2,540,426	3,117,817	22.73%
Supplies	104,893	53,150	504,850	849.86%
Travel	189	3,160	3,163	0.09%
Contractual/Other Services	2,804,807	3,048,144	3,115,244	2.20%
Manageable Direct Cost Total	5,078,330	5,644,880	6,741,074	19.42%
Debt Service, Depreciation	764,323	914,306	949,166	3.81%
Direct Cost Total	5,842,653	6,559,186	7,690,240	17.24%
Intra-Governmental Charges				
Charges By Other Departments	2,457,906	2,308,906	1,357,949	<41.19%>
Charges to Other Departments	(8,581)	(25,000)	(31,000)	24.00%
Program Generated Revenue				
9511 - Commercial Collection	5,026,464	5,013,200	5,659,386	12.89%
9512 - Residential Collection	3,199,990	3,288,109	3,307,253	0.58%
9513 - Other Collection Revenues	85,466	87,000	-	-
9531 - Container Rental Fees	463,400	463,000	460,436	<0.55%>
9532 - Misc Non-Operating Income	3,629	3,600	5,000	38.89%
9536 - Late Fees	37,783	34,000	34,000	-
9742 - Other Property Sales	4,043	500	500	-
9743 - Gain/Loss Sale Property	_	_	-	-
9761 - Cash Pools Short-Term Int	128,840	5,000	5,000	-
9767 - Unrealized Gains & Losses	13,100	-	-	-
9791 - Cash Over & Short	(20)	-	-	-
Program Generated Revenue Total	8,962,693	8,894,409	9,471,575	6.49%
Net Cost				
Manageable Direct Cost	5,078,330	5,644,880	6,741,074	19.42%
Debt Service, Depreciation	764,323	914,306	949,166	3.81%
Charges By Other Departments	2,457,906	2,308,906	1,357,949	<41.19%>
Charges to Other Departments	(8,581)	(25,000)	(31,000)	24.00%
Program Generated Revenue	(8,962,693)	(8,894,409)	(9,471,575)	6.49%
Net Cost Total	(670,716)	(51,317)	(454,386)	785.45%

Solid Waste Services - Refuse Collection 2013 - 2018 Capital Improvement Program

(in thousands)

Project Category		2013	2014	2015	2016	2017	2018	Total
Vehicle Replacement		1,173	1,213	974	1,127	1,326	1,147	6,960
Containers		450	450	450	450	450	450	2,700
Equipment		25	-	-	-	-	-	25
Office Equipment		5	5	5	5	5	5	30
Data Processing		30	30	30	30	30	30	180
Building Improvements		20	-	-	-	-	-	20
	Total	1,703	1,698	1,459	1,612	1,811	1,632	9,915

Source of Funding		2013	2014	2015	2016	2017	2018	Total
Equity/Operations		1,703	1,698	1,459	1,612	1,811	1,632	9,915
	Total	1,703	1,698	1,459	1,612	1,811	1,632	9,915

Solid Waste Services - Refuse Collection 2013 Capital Improvement Budget (in thousands)

		State/Fed	Equity/	
Project Title	Debt	Grant	Operations	Total
Install AirVac Vehicle Exhaust Removal System	-	-	20	20
Install GPS Billing Software	-	-	25	25
Replace 1 Commercial Frontloader Truck	-	-	300	300
Replace 3 Residential Auto Sideloader Trucks	-	-	873	873
Replace Data Processing Equipment	-	-	30	30
Replace Dumpsters	-	-	450	450
Replace Office Equipment	-	-	5	5
Total	-	-	1,703	1,703

Solid Waste Services - Refuse Collection Statement of Cash Sources and Uses

	2011 Actual	2012 Proforma	2013 Budget
Cash Flows From Operating Activities	, totaai	Troioinia	Budgot
Receipts from Customers	8,810,282	8,762,886	9,427,075
Payments to Employees	(2,127,733)	(2,471,427)	(3,072,102)
Payments to Vendors	(5,308,477)	(5,387,539)	(4,936,675)
Net Cash Provided by Operating Activities	1,374,072	903,920	1,418,298
Cash Flows From Non Capital and Related Financing Activities			
Intergovernmental Revenue			
Transfers to Other Funds	(68,147)	(54,882)	(59,245)
Transfers from Other Funds	-	-	-
Net Cash Used by Non-Capital and Related Financing Activities	(68,147)	(54,882)	(59,245)
Cash Flows From Capital and Related Financing Activities			
Acquisition and Construction of Capital Assets	(133,018)	(1,205,900)	(1,703,000)
Proceeds from Disposition of Capital Assets	4,043	500	500
Principal Payments on Long-Term Obligations	-	-	-
Interest Payments on Long-Term Obligations	-	-	-
Net Cash Used by Capital and Related Financing Activities	(128,975)	(1,205,400)	(1,702,500)
Cash Flows From Investing Activities			
Investment Income	135,544	212,394	44,000
Net Cash Provided by Investing Activities	135,544	212,394	44,000
Net Increase (Decrease) in Cash	1,312,494	(143,968)	(299,446)
Cash, Beginning of Year	5,271,716	6,584,210	6,440,242
Cash, End of Year	6,584,210	6,440,242	6,140,795
Components of Cash			
Cash and Cash Equivalents	4,278,016	6,440,242	6,140,795
Capital Acquisition and Construction Accounts	2,306,194		
Cash and Cash Equivalents, End of Year	6,584,210	6,440,242	6,140,795
Reconciliation of Operating Income (Loss) to Net Cash Provided By	Operating Activ	/ities	
Operating Income	592,879	16,573	469,132
Adjustments to Reconcile Operating Income to Net Cash			
Provided by Operating Activities:			
Depreciation	764,324	914,305	949,166
Changes in Assets and Liabilities Which Increase (Decrease) Cash:			
Accounts Receivable	(6,100)	-	-
Prepaid Items and Deposits	(264)	-	-
Accounts Payable	21,569	-	-
Deferred Revenue	(329)	-	-
Compensated Absences Payable	(4,357)	-	-
Accrued Payroll Liabilities Payable	6,350		-
Net Cash Provided by Operating Activities	1,374,072	930,878	1,418,298

About Solid Waste Services

Solid Waste Services (SWS) is composed of two separate utilities. The Refuse Collections Utility provides refuse collection service to residential and commercial customers in the "City of Anchorage" Service Area. The Solid Waste Disposal Utility operates multiple transfer stations and the regional landfill providing affordable and environmentally responsible municipal solid waste disposal services for the entire Municipality. SWS is divided into three organizations. The organizations include Refuse Collections and Solid Waste Disposal, which are separate operating utilities, and Administration, which is a support organization that fully charges out expenses to both Refuse Collections and Disposal Utilities.

Refuse Collection Utility

History

Refuse Collections Utility was originally a function of the former City of Anchorage Public Works Department. When the City and Borough merged in 1975, Refuse Collections became an enterprise activity of the Municipality.

Service

Refuse Collections Utility provides garbage collection to the service area of the former City of Anchorage, which is approximately 20% of the population of the Municipality of Anchorage. Since at least 1952 there has been mandatory service for all occupants of the Refuse Collections Utility service area. The Refuse Collections Utility has three types of services: commercial dumpsters, automated roll cart service, and can and bag service.

Refuse Collections Utility services over 5,000 dumpsters per week with six daily dumpster routes, and two Saturday routes to serve its commercial and multi-family residential customers.

Most residential customers are serviced using automated vehicles and roll carts. Curbside recycling included in the service. A small number of residential and commercial customers remain can and bag customers. While the Refuse Collections Utility planned to switch the remaining can and bag customers to automated operations in 2012, the roll cart delivery was delayed until winter; therefore, the last 2,000 can and bag customers will be phased into automated operations in 2013.

Regulation

The Refuse Collections Utility is regulated by the Regulatory Commission of Alaska (RCA). The utility is granted the exclusive right to collect solid waste within its defined service area by a Certificate of Public Convenience and Necessity. The Alaska Public Utilities Commission (predecessor to the RCA) relinquished economic regulation authority to the Anchorage Municipal Assembly.

As a part of Solid Waste Services, the Refuse Collections Utility has a seven member advisory commission. The members are appointed by the mayor and confirmed by the assembly. The commission meets monthly and, when necessary, holds special meetings. The advisory commission advises and makes recommendations to the

administration and assembly on matters pertaining to the operating budget, capital budget, rules, regulations, and administrative guidelines for the Utility.

Environmental Mandates

Although there is no specific state or federal regulations governing refuse collection, the Utility must comply with a number of federal and state mandated regulations. These regulations include, but are not limited to, the Federal Clean Air Act, the Clean Water Act and OSHA. These regulations have and will continue to impact the economics and operations of the Refuse Collections Utility.

Physical Plant

The Refuse Collection Utility's assets include:

Industry Specific truck fleet

- 10 commercial refuse collection vehicles
- 9 residential refuse and recycling vehicles (automated)
- 1 rear load vehicle for MOA paper collection and recycling
- 6 support vehicles

By the end of 2012 with the implementation of automated operations, the Utility will have purchased over 24,000 roll carts of various sizes for the use by residential customers for trash and for curbside recycling.

Refuse Collections maintains a 27,000 square foot building that contains vehicle maintenance and warm storage space and administrative offices.

Future Planning Efforts

In 2013, Refuse Collection will complete the switch from can and bag operations to automated collection services for all Solid Waste Services residential and small commercial customers.

Solid Waste Disposal Utility

History

Municipal solid waste disposal was originally a function of the City Public Works Department, which operated the city landfill at Merrill Field. Under unification, the Municipality acquired responsibility for five waste disposal sites from Peters Creek to Girdwood. The Solid Waste Disposal Utility was formed to operate and maintain these sites, while managing solid waste disposal matters throughout the Municipality. The five sites were closed and waste disposal was consolidated to a single site near Eagle River. The Anchorage Regional Landfill (ARL), an award winning, "state-of-the-art", fully lined, modern landfill, was started in 1987 and is the only operating landfill in MOA.

Service

The Solid Waste Disposal Utility serves the entire MOA. The services include the disposal of solid waste and collection of household hazardous waste. Municipal solid waste is received at three transfer stations located within MOA. The waste is then transported by the Utility to ARL for final disposal.

The ARL has a total land area of approximately 275 acres and is being developed in phases called cells. Currently 9 of 12 cells have been constructed, with the last cell completed in 2010. ARL is projected to have a total capacity in excess of 42.3 million cubic yards. It is estimated that ARL will reach full capacity in the year 2043. In 2011, 308,647 tons were deposited in ARL, 9,244 tons less than in 2010, a 3% decline from 2010.

Solid Waste Disposal Utility also operates three transfer stations located at Girdwood, midtown Anchorage (Central Transfer Station, CTS), and ARL. The transfer stations allow the Solid Waste Disposal Utility to reduce traffic flow to the landfill and to restrict access to the working face of the landfill. CTS receives the largest amount of solid waste, having received over 222,330 tons in 2011 from over 164,600 customers. This facility has an operating capacity of 1,600 tons per day. The 2011 quantity was 134 tons less than 2010. The Solid Waste Disposal Utility operates a fleet of 17 transfer tractor and trailers that transport the solid waste from CTS. The trailers have a capacity of 120 yards each.

Solid Waste Disposal Utility operates a 6,000 square foot hazardous waste collection facility built in 1989. In 1992, the facility was the only Hazardous Waste facility in North America to receive Solid Waste Association of North America's "System Excellence" award. Through 2011, the facility has collected over 22 million pounds of hazardous waste that otherwise may have been improperly disposed of at the landfill, the storm drain system or people's backyards.

Household hazardous waste can be dropped off at CTS or the Hazardous Waste Facility located at ARL. The hazardous waste is then handled by a contractor that sorts and processes the waste in proper containers. Hazardous products are shipped out of state to federally approved hazardous waste disposal sites. Other materials are rendered inert and landfilled, processed locally or recycled. In March 2000, a new reuse program was successfully implemented. Anchorage residents bring household items such as paints, cleaners, and solvents to Reuse Centers at CTS or at ARL. The items are then stocked for other Anchorage residents to take home for reuse on household projects. In 2011, over 1,800 people took advantage of the program and as a result over 14,500 items were reused.

Regulation

The Solid Waste Disposal Utility is not economically regulated by any non-municipal agencies. However, the Utility operates under numerous permits and many EPA regulations. ARL is operated under a Solid Waste operating permit issued by the Alaska Department of Environmental Conservation (ADEC). This permit must be renewed every five years. ARL construction and certain operations must comply with the EPA Resource Conservation and Recovery Act (RCRA) subtitle D. The facility is also regulated under a Title V air emissions operating permit issued by ADEC. The Disposal Utility operates under two permits from AWWU for industrial water discharge, one for disposal of leachate from ARL and one for discharge of leachate contaminated groundwater at Merrill Field. ARL has permits from the US Department of Fish and Wildlife and the Alaska Department of Fish and Game for bird management.

The Solid Waste Disposal Utility, as a part of Solid Waste Services, also has a seven member advisory commission. The members are appointed by the mayor and confirmed by the assembly. The commission normally meets monthly and when necessary holds

special meetings. The advisory commission advises and makes recommendations to the administration and assembly on matters pertaining to the operating budget, capital budget, rules, regulations, and administrative guidelines for the Utility.

Environmental Mandates

The Solid Waste Disposal Utility must operate under and comply with numerous environmental mandates. These mandates have a significant economic impact on the cost of operations and construction for the Utility. The main environmental mandates that have a significant impact on the Disposal Utility are RCRA subtitle D, the Clean Air Act, New Source Performance Standards (NSPS), the Clean Water Act, SARA Title 3 (Super Fund), NESAP (asbestos), and NPDES (storm water discharge). In 2010, EPA added greenhouse gas monitoring and reporting requirements that affect both active and closed landfill sites. It is projected that the environmental mandates regarding operating and constructing a landfill will become even more stringent in the future.

Physical Plant

The Disposal Utility's assets include:

Anchorage Regional Landfill

- 275 acres, estimated to last through the year 2043
- 42.3 million cubic yard capacity
- Phased construction of cells lasting four to five years each
- Nine of the twelve landfill cells are constructed
- Located on municipal land
- Scale house and a 22,000 square foot shop with an adjoining storage facility
- Heavy equipment fleet: dozers, loaders, dump trucks, boom truck, water truck, leachate trucks, tankers, lube trucks, grader and solid waste compactor
- Two leachate storage, treatment lagoons with a 2.9 million gallon capacity
- Gas collection facility with 700 square foot blower and flare station with a 2,000 cubic feet per minute capacity enclosed flare
- Gas processing facility under construction by Doyon Utilities will be completed by the end of 2012. The facility will process gas to fuel quality and will transport it by pipeline to Doyon Utility's power generation system to produce electricity on adjacent military lands

Three transfer stations provide intermediate disposal, easy access for public

- Cash Booths at Girdwood, Central, and the ARL public site
- One Scale house at CTS
- 21 transfer tractor and trailers haul from stations to landfill

Hazardous waste management

- 6,000 square foot collection facility for household hazardous waste
- Opened in 1989, operated by private contractor
- Received the "System Excellence Award" in North America from Solid Waste Association of North America

Future Planning Efforts

Future projects include:

- In 2011, completed development study for the next five landfill cells.
 Development of remaining cells will occur by 2020 with an estimated cost of \$38 million.
- Landfill methane gas to electricity project with Doyon Utilities was approved in 2011. Construction will be completed in 2012, with commercial operation expected to begin in 2013. The Disposal Utility will sell methane gas to Doyon under a twenty year agreement. Doyon will generate electricity to sell to JBER military customers.