

Public Utilities	Unit No	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

MISSION

Solid Waste Services is committed to providing quality refuse collection and solid waste processing and disposal services to the citizens of the Municipality of Anchorage in an efficient, responsive, economically sound, environmentally responsive and safe manner.

GOALS

- 1. Provide a high level of service at a reasonable cost.
- 2. Promote community involvement and be responsive to the needs and concerns of municipal citizens.
- 3. Plan and prepare for future refuse collection and solid waste processing and disposal needs.
- 4. Meet or exceed federal, state and local environmental regulations and expectations.
- 5. Provide for the safety of the public and solid waste employees at all solid waste facilities.
- 6. Emphasize positive employee and customer relations.
- 7. Minimize the quantity of solid waste being generated and disposed.

Public Utilities	Unit No	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

FACTORS DRIVING THE UTILITY

- 1. Population growth within the Municipality. Increases in population have resulted in increased quantities of solid waste.
- 2. Citizen habits and attitudes relative to waste generation and disposal. Municipal residents currently dispose an average of 6.8 pounds of waste per person per day. This rate is higher than national averages and has been increasing in recent years.
- 3. Level of construction activity within the Municipality of Anchorage. A 1984 study showed that construction-demolition materials comprised 20% of the waste generated within the Municipality. Any significant change in local construction activity could impact the level of solid waste services necessary.
- 4. Federal and state regulations. Federal Environmental Protection Agency and State Department of Environmental Conservation permitting regulations will require extensive environmental monitoring and protection devices at current and future solid waste facilities.
- Role of federal and state governments in hazardous waste disposal. In past years resources have been provided by both federal and state agencies to collect and dispose hazardous waste generated by household and small business sources. Future availability of these resources is unknown.
- 6. Community participation in hazardous waste disposal programs. Citizen participation in hazardous waste collection and disposal programs has risen in recent years. Continued public demand for a safe and readily available means of disposing of potentially hazardous materials will impact local public sector involvement.
- 7. Community participation in recycling programs. Public opinion surveys have indicated a strong public desire for recycling alternatives to traditional landfilling methods. Public participation in pilot programs will determine future resource commitments.
- 8. Cooperation of public and private organizations in approving the proposed site for the Anchorage Regional Landfill. A start date of October 1986, for operation of the Anchorage Regional Landfill is dependent on cooperation and support from the military, native corporations, state and federal regulatory agencies and the general public.

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

- 9. Level of funding from state and federal sources. Anticipated cutbacks in state and federal funding will require service reductions or increased levels of local funding.
- 10. Land use patterns within the refuse collection service area. The trend in recent years has been toward higher population density and increased numbers of multiple family dwellings. This results in a larger percentage of customers being serviced with dumpsters and front loading collection vehicles.
- 11. Private sector involvement in solid waste services. With the role of solid waste services expanding in the areas of waste transfer, recycling and hazardous waste, opportunities may exist for private sector involvement.
- 12. Performance of Municipal staff organizations. Centralized staff departments such as Labor Relations and Cash Management can have significant impacts on the cost of doing business. Organizational changes decentralizing support functions will impact the utility.

Public Utilities	Unit No	Utility	Unit No.	Divísion	Unit No.
	8000	SOLID WASTE SERVICES	8900		

PLANNING ASSUMPTIONS

The following assumptions have been used in developing the Solid Waste Services 1986-1991 long-range plans. It is recognized that some of these assumptions may change over time. The stated assumptions represent the best data available at this time.

- 1. The Anchorage Regional Landfill will be located on the proposed Ft. Richardson site and will be operational by October 1, 1986.
- 2. The Anchorage Regional Landfill will be a limited access facility.
- 3. A transfer facility will be constructed in Anchorage.
- 4. State funding will not be available for solid waste services or facilities.
- 5. All required capital financing will be secured through long-term debt.
- 6. The Anchorage population will continue to grow at a moderate rate.
- 7. Low-to-moderate inflation will continue with no real increase or decrease in wages or the costs of goods and services.
- 8. Federal and state regulations will significantly increase the cost of developing and operating the Anchorage Regional Landfill.
- 9. Increasing the level of employee training will result in a higher level of morale and productivity.
- 10. Increased numbers of multiple family dwellings will impact collection methods.
- 11. Recycling activities will play an increasingly significant role in refuse collection and solid waste processing and disposal.
- 12. Increased local resources will be directed to the management of hazardous waste.
- 13. Ft. Richardson and Elmendorf AFB will utilize the Anchorage Regional Landfill.

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	800	SOLID WASTE SERVICES	8900		`

OBJECTIVES/PROGRAMS

General Manager

- Improve communication with customers and community.
 - Promote community involvement in the selection of sites for solid waste transfer and recycling facilities through public meeting and multi-media advertisement.
 - Involve the Anchorage Solid Waste Commission in the development and modification of solid waste policies, programs and facilities.
 - Educate the general public on the availability of existing and planned solid waste programs and services.
 - Develop and implement a program to provide departmental speakers to interested civic groups, clubs and organizations.
- 2. Improve organizational communication and install a positive "we are here to serve you" attitude.
 - Meet with Solid Waste management personnel individually to communicate organizational goals, objectives and programs.
 - Develop and maintain performance standards that clearly define the role of each manager.
 - Attend weekly Administrative Council and Public Utilities Administration staff meetings.
 - Conduct weekly meetings of Solid Waste management staff.
 - Conduct two team building sessions involving all Solid Waste management staff.
 - Coordinate solid waste activities with other departments.

Public Utilities	Unit No	Utility	Unit No.	Division .	Unit No.
	8000	SOLID WASTE SERVICES	8900		

- Maintain a high level of motivation among Solid Waste employees.
 - Recognize and reward employees for outstanding achievements within the department.
 - Support employee self-development and improvement by encouraging participation in Municipal training classes, membership in professional and community service organizations and enrollment in local educational institutions.
 - Involve employees at all levels in the decision-making process by encouraging team building and two-way communication.
- 4. Ensure existing departmental services and programs are efficient and cost effective.
 - Monitor departmental fiscal reporting systems to ensure a high degree of fiscal responsibility while providing essential services to solid waste customers.
 - Monitor departmental productivity and business reporting systems to ensure departmental objectives and programs are accomplished in a manner consistent with Municipal goals and competitive with industry standards.
- 5. Ensure that the future solid waste needs of Municipal residents are met in a manner consistent with the department's mission and goals.
 - Monitor the development and implementation of technological changes within the solid waste industry.
 - Research and evaluate alternative methods for improving solid waste services.
 - Continue to plan and implement facilities, programs and projects designed to improve productivity and delivery of service.
 - Monitor proposed regulatory changes impacting solid waste services, influence when appropriate and implement when necessary.

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

Finance and Administration

- 1. Provide for financial integrity and control.
 - Conduct comprehensive review of Municipal code provisions dealing with solid waste services, clarify and update where necessary.
 - Develop a five-year user fee plan which provides for an adequate return on rate base to ensure financial stability of the utility.
 - Develop in-house monthly financial reports to provide management with timely information on budgetary status.
 - Develop computer application to automate the distribution of costs to the functional utility service categories.
 - Develop written procedures for the control and replacement of all solid waste inventories.
 - Evaluate the feasibility of in-house accounting and financial statement preparation.
- 2. Maximize the use of automation to improve office productivity.
 - Develop a five-year business systems plan.
 - Develop software application to be used in budget forecasting.
 - Evaluate in-house equipment management systems and replace current system if results indicate the need.
 - Conduct systems analysis of the collection and use of solid waste operating statistics.
 - Maintain all existing computer hardware and software to minimize downtime and maximize benefit to the user.

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

- 3. Improve budget development and forecasting techniques.
 - Involve employees at all levels of the organization in the budget development and execution process.
 - Clearly communicate and assign responsibility for the accomplishment of budget programs to individual managers.
 - Use the quarterly business report to track the status of budget programs and financial performance.
- 4. Improve the efficiency of the customer billing and customer service functions.
 - Review, document and implement an authorization system for the issuance of disposal permits.
 - Document and implement standard procedures for responding to customer requests for historical billing records.
 - Evaluate the feasibility of an independent customer billing, collections and customer service system.
 - Automate the storage and retrieval of all customer records.
 - Promptly and politely respond to all requests for service.

Engineering and Planning

- 1. Ensure that all Municipal landfills are environmentally safe.
 - Evaluate existing solid waste facilities, environmental data and environmental monitoring programs.
 - Establish the desired level of monitoring appropriate for each facility.
 - Install equipment, collect and analyze data, and implement corrective measures.

Public Utilities '	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

- 2. Eliminate the mishandling of hazardous waste within the Municipality of Anchorage.
 - Cooperate and support the Alaska Department of Environmental Conservation in the annual collection of small quantities of hazardous waste.
 - Implement the Hazardous Waste Management Plan.
 - Investigate the use of waste oil for heating buildings at the Anchorage Regional Landfill.
- 3. Ensure that the future solid waste collection and disposal needs of Municipal citizens are satisfied.
 - Administer the design and construction contracts for the Anchorage Regional Landfill.
 - Administer the design and construction contracts for the recommended transfer facility.
 - Develop and implement transitional operating plans for phasing into new facilities.
 - Plan, locate, develop and implement, if practical, construction-demolition disposal sites.
 - Evaluate and implement, if desirable, contracts for the development, ownership and operation of solid waste transfer facilities.
 - Promote privatization of recycling facilities and programs. Seek to further reduce transportation costs to processing sites in the Pacific Northwest.
- 4. Implement a waste-to-energy resource recovery plant when it becomes economically advantageous.
 - Develop economic model to evaluate resource recovery on an ongoing basis.
 - Monitor economic factors such as the cost of fossil fuels and electricity, cost of capital, and the probability of non-Municipal development. Update the model when factors change.
 - Monitor and evaluate non-economic factors such as changes in resource recovery technology.

Public Utilities	Unit No	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

Operations

- 1. Provide refuse collection within the certificated service area and solid waste processing and disposal to all Municipal residents.
 - Provide weekly residential and commercial can/bag collection service to 12,350 residential customers in 1986.
 - Provide weekly containerized collection service to 1,700 commercial and multi-family residential customers in 1986.
 - Dispose of approximately 275,000 tons of waste at the Merrill Field and Anchorage Regional Landfill and approximately 20,000 tons at the Peters Creek Landfill in 1986.
 - Transfer approximately 2,000 tons of waste from the Girdwood Transfer Facility to Municipal land-fills in 1986.
 - Maintain and repair a fleet of 84 vehicles used in the collection, transportation and disposal of solid waste.
- 2. Increase employee morale and performance standards with each employee.
 - Set goals, objectives and performance standards with each employee.
 - Cross train employees to allow for fill-in of absent employees, improved knowledge of departmental operations and to better prepare employees for promotional opportunities.
 - Conduct regularly scheduled meetings to communicate department policies and decisions to all employees.
 - Establish management advisory teams.
- 3. Improve safety awareness and decrease accidents.
 - Continue to conduct a safety award program.

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

- Develop and implement an employee fitness program emphasizing the relationship between employee fitness, attitude, productivity and on-the-job injuries.
- Retro-fit all refuse containers with lightweight plastic lids.
- Develop and conduct employee training in identifying and disposing of hazardous waste.
- Maintain and expand Material Safety Data Sheet notebook.
- Supply and explain a hazardous waste directory to each employee.
- 4. Follow sound environmental practices in refuse collection and disposal.
 - Contain collected refuse through continued enforcement of the covered load ordinance and the prompt collection of windblown litter in the vicinity of Municipal waste disposal sites.
 - Monitor vehicles emissions for compliance with local standards.
 - Continue operation of waste oil and asbestos disposal programs.
 - Develop operations manual and implement employee training programs at all Municipal disposal facilities.
- 5. Maintain and improve upon an effective and efficient operation.
 - Educate employees on the proper use of equipment and tools.
 - Use effective employee scheduling to maximize productivity and eliminate unnecessary overtime.
 - Improve landfill compaction densities by increasing the use of compaction equipment and personnel thus extending the life of existing landfills.
 - Evaluate results of pilot program using side load collection vehicles for residential collection and expand program if results justify.

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900		

- Conduct commercial route evaluation, analysis and improvement through productivity reporting and employee interviews.
- Investigate the use of computers in the route development and analysis.
- 6. Increase the quantity of waste diverted from landfill through recycling activities.
 - Deliver the recycle van to shopping centers located throughout the Municipality on a rotating weekend schedule.
 - Evaluate and improve the recycle theme park at the Municipal shredder plant.
 - Encourage private sector participation in recycle activities.

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
	8000	SOLID WASTE SERVICES	8900	,	

MANPOWER FORECAST

DIVISION	1985	1986	1987	1988	1989	1990	1991
Manager	2	4a	4	4	4	4	4
Finance/Admin.	6	6 ^b	9£	9	9	9	9
Engineering	2	2	2	2	2	2	2
Operations	1	2c	2	2	2	2	2
Collections	30	30	30	30	30	30	30
Disposal	32	50d	48g	48	48	50h	50
Vehicle Maint.	6	<u>10</u> e	10	10	10		10
TOTAL:	79	104	105	105	105	107	107

- a Transfer Receptionist from Finance/Admin and add a Utility Management Assistant.
- b Transfer Receptionist to Manager and add Programmer Analyst.
- c Add Office Associate to support Operations and Finance/Admin Manager.
- Add 2 Scalehouse Attendants, 17 Truck Drivers and 4 Plant positions at the shredder/transfer station, add 4 positions at the Anchorage Regional Landfill, add 2 plant workers and 1 Scalehouse Attendant at the landfill receiving station, delete 11 plant positions at the shredder facility and delete 1 Scalehouse Attendant at the Peters Creek Landfill.
- e Add 1 Mechanic and 1 Equipment Serviceman at the Anchorage Regional Landfill and 1 Mechanic and 1 Equipment Serviceman at the Anchorage Transfer Facility.
- f Add two Customer Service Representatives and a Senior Accountant to support Solid Waste Services customer billing and accounting.
- g Delete 2 positions at the Shredder Plant.
- h Add 2 positions at the Anchorage Regional Landfill.

Public Utilities	Unit No	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8900	REFUSE COLLECTION	8950

RESOURCE IMPACTS

Growth Factors	1986	1987	1988	1989	1990	1991
Tons Collected Billed Customers	52,885 13,950	53,330 14,025	53,775 14,100	54,313 14,250	54,856 14,400	55,405 14,550
Bond Sales	0	0	0	0	0	0
Grants Anticipated	0	0	0	0	0	0
Personnel Increases	0	0	0	0	0	0
TOTAL Personnel	28 + 2T	28 + 2T	28+2T	28+2T	28+2T	28+2T
Revenue	6,153,000	6,966,200	7,025,200	7,089,800	7,484,300	7,553,400
Expenses	5,983,000	6,653,000	6,852,590	7,058,170	7,269,910	7,488,010
Net Income Regulatory	170,000	313,200	172,610	31,630	214,390	65,390
Possible Rate Increase	15%	15%	NC	NC	5%	NC

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8900	REFUSE COLLECTION	8950

STATISTICAL PERFORMANCE TRENDS

	1980	1981	1982	1983	1984	Pro Forma 1985	Budget 1986
Waste Collected (Tons)	38,114	40,691	45,319	47,167	48,990	50,900	52,885
Residential Services	11,468	11,677	11,772	11,881	12,060	12,160	12,260
Billed Customers	12,824	13,106	13,383	13,592	13,650	13,800	13,950
Municipal Owned Containers	1,347	1,651	1,819	1,901	1,951	2,051	2,150
Average Commercial Dumpster Collections Per Week	5,239	5,382	5,505	5,626	5,744	5,890	6,040
Cost/Customer Percent Change	\$197.24 6.4	\$205.60 4.2	\$251.19 22.2	\$285.21 13.5	\$345.73 21.2	\$391.12 13.1	\$428.92 9.7
Cost/Collected Ton Percent Change	\$ 66.36 5.7	\$ 65.16 -1.8	\$ 74.17 13.8	\$ 82.19 10.8	\$ 95.33 17.2	\$106.04 10.1	\$113.14 6.7
Tons Collected/Employee Percent Change	1,314 2.9	1,427 8.6	1,563 9.5	1,627 4.1	1,689 3.8	1,755 3.9	1,824 3.9

MUNICIPALITY OF ANCHORAGE		·					PA	GE
ublic Utilities	Unit No.	Utility		Unit No.	Division	*		Unit N
PUBLIC UTILITIES	8000	SOLID WAST	TE SERVICES	8900	RE	FUSE COLLECTION		895
		MUI	NICIPALITY OF ANCHORAG	GE				·
LINE ITEM DESC	CRIPTION		1984 ACTUAL	1985 PRO-FOF	RMA	1986 PROPOSED	1986 AD	OPTED
KEY FINANCIAL RATIOS								
Operating Income			555,500	106	,100	286,400	2	86,40
Operating Revenue			5,028,800	5,260	,700	6,033,400	6,0	33,40
Operating Margin			11.0%		2.0%	4.7%		4.7
Operating Expense (Cont	rollable)		4,083,700	4,709	,400	5,183,300	. 5,1	83,30
Operating Revenue			5,028,800	5,260	,700	6,033,400	6,0	33,40
Operating Ratio			81.2%	89	9.5%	86.0%		86.0
Debt/Equity Ratio			41/59	4:	1/59	39/61	•	39/6
			,					
•					·			
							,	

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8900	REFUSE COLLECTION	8950

Fund 0560 is an enterprise fund providing refuse collection services within the City Service area. It is a semi-regulated utility in that only service area boundaries are regulated by the Alaska Public Utilities Commission. Financial regulation and rate approval is within the authority of the Anchorage Assembly. Fund 0561 is a capital improvement fund which accounts for all capital assets purchased for refuse collections purposes.

Operating Budget

The Refuse Collection budget increases by 10.8 percent in 1986. The largest single increase is in charges from Solid Waste Administration which account for 3.2 percent. This is primarily due to costs associated with the planned customer billing and accounts receivable functions. These costs will in part be offset by decreases in existing chargebacks during 1986 because of a mid-year implementation of the new system. Significant reductions in charges from Utility Customer Service and Municipal Information Systems are expected to occur in 1987. Another 2 percent is a result of an increase in depreciation expenses also associated with the customer billing and accounts receivable functions. The planned rate increase for Solid Waste Disposal will result in a 3 percent increase in cost for the Refuse Collection Utility. The remaining 2.6 percent is a result of inflationary increases for continued goods and services.

Capital Budget

Capital expenditures planned for 1986 consist of \$586,000 for replacement of vehicles and equipment and \$359,000 for the purchase of equipment and software to implement the planned customer billing and accounts receivable functions. All funding will come from prior year operational income and accumulated depreciation.

Public Utilities	Unit No.	Utility		Unit No.	Division		Unit No.
PUBLIC UTILITIES	8000	SOLID WAS	TE SERVICES	8900	RE	EFUSE COLLECTION	8950
	.1.	MU	NICIPALITY OF ANCHORAG)E			
			1984	1985			
LINE ITEM DESCRIPT	ION		ACTUAL	PRO-FOF	RMA	1986 PROPOSED	1986 ADOPTED
Operating Budget							
Revenue			5,211,000	5,440	,000	6,153,000	6,153,000
Expense			4,719,000	5,397	,000	5,983,000	5,983,000
Net Income - Governmental				43	,000	170,000	170,000
Adjustments			0		0	0	0
Net Income - Regulatory			492,000	43	,000	170,000	170,000
Capital Budget							
Project Category							
Buildings Equipment			53,000 · 418,000	648	0 ,000	0 945,000	0 945,000
Total Capital			471,000	648	,000	945,000	945,000
							•
							,

Public Utilities	Unit No.	Utility		Unit No.	Division		Unit No.
PUBLIC UTILITIES	8000	SOLID WAST	re services	8900	RE	FUSE COLLECTION	8950
	1	MUN	NICIPALITY OF ANCHORAG	GE	· I · · · · · · · · · · · · · · · · · ·		
			FINANCIAL DATA				·
			1984	1985			
LINE ITEM DESCRIPT	ION		ACTUAL	PRO-FOR	RMA	1986 PROPOSED	1986 ADOPTED
STATEMENT OF REVENUE AND EX	PENSE				·		
Commercial Collections			2,809,000	2,957	900	3,401,600	3,401,600
Residential Collections			1,688,000	1,688	,000	1,941,200	1,941,200
Other Collections			9,900	8	,000	8,000	8,000
Container Rental Fees			182,700	182	,800	210,100	210,100
Contracted Services		•	339,200		,000	472,500	472,500
TOTAL OPERATING REVENUE			5,028,800	5,260	,700	6,033,400	6,033,400
OPERATING EXPENSE			·				
Personal Services			1,578,800	1,738	900	1,790,600	1,790,60
Supplies			14,200		500	18,400	18,40
Other Services and Charges			1,360,500	1,624,800		1,828,200	1,828,200
Charges From Other Departme	nts		1,130,200	1,327,200		1,524,600	1,524,600
Depreciation (Non-Contribut			389,600	445	,100	558,700	558,700
Municipal Utility Service A		nts	-0-	-0-		26,500	26,500
TOTAL OPERATING EXPENSE			4,473,300	5,154	,500	5,747,000	5,747,000
OPERATING INCOME (Loss)			555,500	106	, 200	286,400	286,400
NON-OPERATING REVENUE							
Sale of Property			8,600	10	,000	0	•
Short-Term Interest			173,900		,400	120,000	120,000
TOTAL NON-OPERATING REVEN	UE		182,500	179	,400	120,000	120,000
NON-OPERATING EXPENSE							
Interest on Long-Term Debt			246,000		, 900	236,400	236,40
TOTAL NON-OPERATING EXPEN	SE		246,000	242	,900	236,400	236,400
NON-OPERATING INCOME (Los	g)		(63,500)	(63	,500)	(116,400)	(116,400
NET INCOME (Loss)			492,000	42	,700	170,000	.170,00
					,		

ublic Utilities	Unit No.	Utility			Unit No.	Division		. Un	nit No
PUBLIC UTILITIES	8000	SOLID	WASTE	SERVICES	8900	RE	FUSE COLLECTION	ON 895	
			MUNIC	CIPALITY OF ANCHORA	\GE				
				FINANCIAL DATA					
				1984	1985	,			
LINE ITEM DESC	RIPTION			ACTUAL	PRO-FO	RMA	1986 PROPOSED	1986 ADOPTE	ED
STATEMENT OF SOURCES AND	USES OF C	ASH FUNI	os						
SOURCES OF CASH FUNDS:									
Net Income (Loss)				492,000	42	,600	170,000	170,	,00
Depreciation				389,600	445	,100	558,700	558,	-
Net Change Current Ass				(220,700)		0	0		
Net Change Current Li TOTAL SOURCE OF CASH			_	(101,000)	7.03	0 700	0		30
TOTAL SOURCE OF CASH	ב מאט			559,900	487	,700	728,700	728,	, /0
USES OF CASH FUNDS:									
Additions to Plant				471,000	648	,000	945,000	945,	,00
Bond Principal Payment				25,000	25,000		25,000	25,	,00
Net Change Special Fun	ds			(59,200)		0	0		
TOTAL USES OF CASH FU	NDS			436,800	673	,000	970,000	970,	,00
Net Increase (Decrease) In Cash	Funds		123,100	(185	,300)	(241,300)	(241,	, 30
Cash Balance January 1			_	1,228,900	1,352	,000	1,166,700	1,166,	,70
Cash Balance December	31		=	1,352,000	1,166,700		925,400	925,	<u>, 40</u>
DETAIL OF CASH BALANCE:							,		
Equity in General Cash	Pool			821,100	838	,700	624,700	624,	.70
Equity in Construction				245,900		,000	15,700	15,	
Bond Redemption Reserv				285,000		,000	285,000		,00
TOTAL CASH DECEMBER 3	ı		***************************************	1,352,000	1,166	,700	925,400	925,	,40
			[=						

lic Utilities	Unit No.	Utility		Unit No.	Division			Unit No
PUBLIC UTILITIES	8000	SOLID WAST	E SERVICES	8900 REI		FUSE COLLECTION	895	
		MUN	CIPALITY OF ANCHORAG	E				
			1984	1985				
LINE ITEM DESCI	RIPTION		ACTUAL	PRO-FOP	IMA	1986 PROPOSED	1986 AD	OPTED
STATEMENT OF CHANGES IN	FUND EQUIT	<u>Y</u>						
Balance January 1		Biological	2,152,400	2,644	,400	2,687,000	2,6	87,00
Net Income (Loss)			492,000	42	,600	170,000	1	70,0
Balance December 31	lance December 31		2,644,400	2,687	,000	2,857,000	2,857,0	
•								
Detail of Fund Equity								
Retained Earnings			2,507,300	2,549,900		2,719,900	2,719,	
Contributed Capital			137,100	137,100		137,100	137,	
Total Fund Equity Decemb	er 31		2,644,400	2,687	,000	2,857,000	2,8	57,0
						•		
•								
r.								
						,		

Public Utilities	Unit No.	Utility		•	Unit No.	Division		Unit No	
PUBLIC UTILITIES	8000	SOLID	WASTE	SERVICES	8900	RE	FUSE COLLECTION	8950	
	<u> </u>	<u> </u>	MUNIC	CIPALITY OF ANCHORAGE	<u>l</u>	1	•		
	*	***************************************							
LINE ITEM DESCRIPT	ION			1984 ACTUAL	1985 PRO-FOF	RMA	1986 PROPOSED	1986 ADOPTED	
STATEMENT OF DEBT SERVICE O	OVERAGE								
Income Available for Debt Service				1,127,600	730	,700	991,600	991,600	
Debt Service Requirement				271,000	267	, 900	261,400	261,400	
Debt Coverage			=	4.2		2.7	3,8	3.1	
							,		
NET PROFIT MARGIN									
Net Income				492,000	42	,600	170,000	170,000	
Operating Revenue			_	5,028,800	5,260	,700	6,033,400	6,033,400	
Net Profit Margin			_	9.8%		0.8%	2.8%	2.83	
				į				•	
•									

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8900	REFUSE COLLECTION	8950

1986 CAPITAL IMPROVEMENT BUDGET FINANCIAL SUMMARY

	Total	FUNDING SOURCE				
Project Category	Project Cost	Bonds	<u>Operations</u>	Grants		
Equipment	945	0	945	0		
TOTAL	945	0	945	0		

Dollars in Thousands

Public Utilities	Unit No	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8900	REFUSE COLLECTION	8950

1986-1991 CAPITAL IMPROVEMENT BUDGET FINANCIAL SUMMARY

		ANNUAL PROJECT COST						FUNDING SOURCE		Total
Project Category	1986	<u>1987</u>	1988	1989	1990	1991	Bonds	Operations	Grants	Program
Equipment	945	541	590	702	697	863	0	4,338	0	4,338
TOTAL	945	541	590	702	697	863	0	4,338	0	4,338
Source of Funds	0	0	0	0						
Revenue Bonds	0	0	0	Δ.						
	_		_		0	. 0	0	0	0	0
GO Bonds	0	0	0	0	0	. 0 0	0 0	Ō	0 0	0 0
Operations	0 94 5		_				=	0 0 4,338	0 0 0	0 0 4,338
	-	0	0	0	0	0	0	Ō	0	0
Operations	945	0 541	0 5 9 0	0 702	0 697	0 863	0	0 4,338	0	0

Dollars in Thousands

Utilities	Unit No Utility			Unit No. Division			Unit N
PUBLIC UTILITIES	8000 SOLID	WASTE SERVICE	s	8902 PR	CESSING AND	DISPOSAL	8920
		RESOURCE	IMPACTS				
Growth Factors	1986	1987	1988	1989	1990	1991	
			1700			1771	•
Population	244,032	253,320	259,447	267,778	276,446	283,361	
Tons Disposed	310,220	324,440	339,060			375,280	
Bonds Anticipation Notes	16,000,000			•	•	0	
G.O. Bonds	0	14,500,000	3,500,000	0	0	0	
Revenue Bonds	0		4,722,000		1,279,000	1,401,000	
Grants Anticipated	C	0			0	0	
Personnel Increases	10+81	(2)	NC	nc nc	2	NC	
TOTAL Personnel	40+101	38+10T	38+101	38+10T	40+10T	40+10T	
Revenue	7,826,000	10,840,000	11,314,000	11,746,000	11,796,000	12,146,000	
Expenses	7,669,000	10,650,000	11,219,000	11,386,000	11,631,000	11,767,000	
Net Income Regulatory	157,000	190,000	95,000	360,000	165,000	379,000	
Possible Rate Increase							
Residential							
Percent	NC	NC	NC	NC	NC	NC	
User Fee	\$2/Car	NC	\$3/Car		NC	NC	
	\$5/Pickup		\$6/Pickur				
Commercial	•						
Percent	71	NC	NC	NC NC	(3)	NC	
	\$36/Ton				\$35/Ton		

^{1 -} Rate to be effective with the opening of the Anchorage Regional Landfill and Anchorage Transfer Facility planned for October 1, 1986.

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8902	PROCESSING & DISPOSAL	8920

STATISTICAL PERFORMANCE TRENDS

TONS DISPOSED	1980	1981	1982	1983	1984	Pro Forma 1985	Budget 1986
Anchorage	161,041	198,521	227,391	265,830	263,425	273,320	286,233
Eagle River	0	670	15,305	34,488	20,094	22,320	23,990
TOTAL TONS DISPOSED	161,041	199,191	242,696	300,318	283,519	295,640	310,223
Vehicles Utilitizing Disposal Site	131,655	149,742	209,855	273,024	216,233	227,760	236,630
Cost/Ton Disposed Percent Change	\$12.00 37.2	\$13.05 8.8	\$14.66 12.3	\$12.59 -14.1	\$17.03 35.3	\$21.05 23.6	\$24.96 18.6
Tons Disposed/Employee Percent Change	6,442 -0.4	7,968 23.7	9,708 21.8	12,013 23.7	10,310 -14.2	9,537 -7.5	7,386 -22.5
Employee (FTE)	25	25	25	25	27.5	. 31	42

Public Utilities PUBLIC UTILITIES	Unit No. 8000	Utility	e cenurara	Unit No.	Division		Unit No.
LODDIO OLIETIIES	8000	SOLID WAST	e SERVICES	8902	PRO	CESSING & DISPOSA	L 8920
		MU	NICIPALITY OF ANCHORAC FINANCIAL DATA	GE .			
LINE ITEM DE	SCRIPTION		1984 ACTUAL	1985 PRO-FOR	MA .	1986 PROPOSED	1986 ADOPTED
KEY FINANCIAL RATIOS							
Operating Income			(36,800)	(160,	100)	897,900	897,900
Operating Revenue			4,687,300	5,344,	500	6,836,400	6,836,400
Operating Margin	Operating Margin			-3,	00%	13.13%	13.13%
Operating Expense (Con	trollable)		4,161,100	4,844,	700	4,866,400	4,866,400
Operating Revenue			4,687,300	5,344,	500	6,836,400	6,836,400
Operating Ratio			88.77%	90.	65%	71.18%	71.18%
Debt/Equity Ratio			43/57	60/	40	53/47	53/47

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8902	PROCESSING & DISPOSAL	8920

Fund 0562 is an enterprise fund providing solid waste processing and disposal services to Municipal residents on an areawide basis. The Merrill field and Peters Creek Landfills, the Municipal Shredder Facility and the Girdwood Transfer Facility are all operated by the utility.

During 1986 a significant change is planned with the closure of the Merrill Field and Peters Creek Landfills, the opening of the new Anchorage Regional Landfill, and the conversion of the Shredder Plant to a Transfer Facility. The Alaska Public Utilities Commission takes no direct role in the regulation of the utility. The Anchorage Assembly provides financial regulation and rate approval. Solid Waste Processing and disposal receives no financial support from property taxes. User fees will account for 87 percent of all solid waste revenues in 1986. The remaining 13 percent will come from interest income earned on operating and construction cash balances. Fund 0563 is a capital improvement fund which accounts for all capital assets purchased for solid waste processing and disposal purposes.

Operating Budget

The Processing and Disposal budget will increase by 24.4 percent in 1986. The specific adjustments resulting in the net change are as follows:

o	Cost reductions associated with closing the Merrill Field Landfill and the Municipal Shredder	\$(1,188,300)	(19.1)%
o	Cost increases associated with the opening of the Anchorage Regional Landfill	\$ 1,483,200	23.8%
0	Cost increases associated with the opening of the Anchorage Transfer Facility	\$ 1,225,400	19.7%
	TOTAL ADJUSTMENTS	\$ 1,520,300	24.4%

NOTE: All figures include an inflationary adjustment of approximately 2.5%.

Capital Budget

Capital expenditures planned for 1986 consist of \$11,254,000 to supply the balance of the funding necessary for Phase I of the Anchorage Regional Landfill, \$6,746,000 to design and construct the Anchorage Transfer Station and \$245,000 to fund the scheduled replacement of solid waste equipment. Funding for the Landfill and Transfer Station is to come from general obligation bonds. Funding for the scheduled replacement will come from accumulated depreciation.

Public Utilities	Unit No.	Utility		Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WAST	TE SERVICES	8902	PROCESSING AND DIS	1
		MUI	NICIPALITY OF ANCHORA	AGE		
LINE ITEM DESCRIPT	ION		1984 ACTUAL	1985 PRO-FORM	4000 500 000 000	
	ION	·····	ACTUAL	PHO-FOHM	1986 PROPOSED	1986 ADOPTED
Operating Budget Revenue			5,019,000	6,267,00	7 826 000	7 997 000
Expense			5,017,000	6,223,00	, ,	7,826,000
Net Income - Governmental			2,000	44,00		7,743,000 83,000
Adjustments		:	47,000	47,00		74,000
Net Income - Regulatory			49,000	91,00		157,000
Capital Budget						
Project Category			·			٠
Buildings Equipment Other		, I	1,319,000 464,000 0	985,00 15,00		16,238,000 3,727,000
Total Capital			1,783,000	1,000,00	19,965,000	19,965,000
•		:				
		:			·	

MILIM	CIDAL	ITY OF	ANCH	ORAGE

ublic Utilities	1 1	tility		Unit No.	Division			Unit No	
PUBLIC UTILITIES	8000	SOLID WAST	E SERVICES	8902	PE	ROCESSING & DISPO	SAL	892	
		MUN	ICIPALITY OF ANCHOR	AGE					
			FINANCIAL DATA		· · · · · · · · · · · · · · · · · · ·				
			1984	1985			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
LINE ITEM DESCRIP	TION		ACTUAL	PRO-FOF	RMA	1986 PROPOSED	1986 AD	OPTED	
STATEMENT OF REVENUE AND E	XPENSE								
OPERATING REVENUE									
Disposal Fee		ŀ	4,609,600	5,344,	500	6,836,400	6,8	36,40	
Sale of Materials		1	77,700 4,687,300		0	0			
TOTAL OPERATING REVENUE			4,687,300	5,344,	500	6,836,400	6,8	36,40	
OPERATING EXPENSE									
Personal Services		1,740,500	1,865,				68,30		
Supplies			804,200	807,		755,700 1,186,500 1		755,70	
Other Services and Charge		1	880,500	1,121,				.86,50 255,90	
Charges From Other Depart			735,900	1,050,					
Depreciation (Non-Contrib TOTAL OPERATING EXPENSE	utea)		563,000 4,724,100	659,900 5,504,600		5,938,500		1,072,10 5,938,50	
TOTAL OPERATING EXPENSE			4,724,100	3,504,	300	3,750,500	,,,	,	
OPERATING INCOME (Loss)			(36,800)	(160,	100)	897,900	8	397,90	
NON-OPERATING REVENUE					_				
Tax Revenue			0		0	0			
Revenue From Other Govern	ments		168,600	372,		0	,		
Interest Revenue			148,600	550,		990,000	5	90,00	
Other Revenue	_		14,200	<u> </u>	0	990,000		90,00	
TOTAL NON-OPERATING REVENU	E		331,400	922,	000	990,000	,	,,,,,,,	
NON-OPERATING EXPENSE	_		245,800	671,	000	1,730,800	1.7	30,80	
Interest on Long-Term Deb			245,800	671,		1,730,800		30,80	
			·			(740,800)	(7	740,80	
NON-OPERATING INCOME (Loss)		85,600	251, 91,		157,100		57,10	
NET INCOME - REGULATORY	vnimen n	NT CT	48,800	47,		74,400	•	74,40	
LESS AMORTIZATION ON CONTR	TRALED AFY	TMI	47,400 1,400	44,		82,700		82,70	
NET INCOME - GOVERNMENTAL			1,400	444,		0-3,,00	-,		

Public Utilities	Unit No.	Utility	•	Unit No.	Division			Unit No.
PUBLIC UTILITIES	8000	SOLID WAST	re services	8902	P	ROCESSING & DISPO	SAL	8920
		MUI	NICIPALITY OF ANCHORA	GE	.1			<u> </u>
			FINANCIAL DATA	T			<u> </u>	
			1984	1985				*********
LINE ITEM DESCRIPT	ION		ACTUAL	PRO-FOR	RMA	1986 PROPOSED	1986 AD	OPTED
STATEMENT OF SOURCES AND US	ES OF C	CASH FUNDS						
SOURCES OF CASH FUNDS:								
Net Income (Loss)			1,400		,000	82,700		82,700
Depreciation (Incl. Cont.	Can.)		610,400		,300	1,146,500		46,500
Grants	OGP.7		692,700		,000	705,900		05.900
Bond Anticipation Notes			0,2,,00	,,,,	,000	16,000,000		00,000
Bonds			Ō	5,220	-	0	10,0	00,000
Net Change Current Assets			49,600	3,220	0	ľ		í
Net Change Current Liabi			1,068,400		Ö	0		ì
TOTAL SOURCE OF CASH FU	·	2,422,500	6,671		17,935,100	17,9	35,100	
USES OF CASH FUNDS:								
Additions to Plant		·	1,783,100	1,000	.000	19,965,000	19.9	65,000
Bond Principal Payment			652,100		,100	847,100	847,100	
Bond Financing Costs			403,400		0	320,000	21,132,10	
Net Change Special Funds			(245,800)		0	0		
TOTAL USES OF CASH FUND	S		2,592,800	1,652	,100	21,132,100		
Net Increase (Decrease) In	Cash Fu	ınds	(170,300)	5,019	, 200	(3,197,000)	(3,1	97,000
Cash Balance January 1			1,698,300	1,528	,000	6,547,200	6,5	47,200
Cash Balance December 31			1,528,000	6,547	, 200	3,350,200	3,3	50,200
DETAIL OF CASH BALANCE:								
Equity in General Cash Po	101		1,022,200	1,121	.400	1,503,500	1.5	03,500
Equity in Construction Ca		ļ	505,800	5,425		1,846,700		46,700
TOTAL CASH DECEMBER 31		1,528,000	6,547	, 200	3,350,200	3,3	50,200	
						-		

MUNICIP	ALITY	OF.	ANC	HOR	AGE

Public Utilities	Unit No.	Utility		···	Unit No		1	Unit I
PUBLIC UTILITIES	8000	SOLID	WASTE	SERVICES	890:	2 P	PROCESSING & DISPO	SAL 89
			MUNIC	ENALITY OF ANCHORA	AGE			
				FINANCIAL DATA				······································
LINE ITEM DESCR	RIPTION			1984 ACTUAL		85 ORMA	1986 PROPOSED	1986 ADOPTED
STATEMENT OF CHANGES IN 1	FUND EQUIT	<u>Y</u>	MANAGEMENT					
Balance January 1				4,119,400	4,8	3,400	5,557,400	5,557,4
Net Income (Loss) Contributed Capital				1,400 692,600		4,000 0,000	82,700 705,900	82,7 705,9
Balance December 31				4,813,400		7,400	6,346,000	6,346,0
Detail of Fund Equity								
Retained Earnings				3,746,100	3,83	37,500	3,994,600	3,994,6
Contributed Capital			-	1,067,300	1,7	9,900	2,351,400	2,351,4
Total Fund Equity December	er 31		· -	4,813,400	5,5	7,400	6,346,000	6,346,0
٧								
NET PROFIT MARGIN								
Net Income				1,400	4	4,000	82,700	82,7
Operating Revenue			-	4,687,300	5,34	4,500	6,836,400	6,836,4
Net Profit Margin		=	0.03%		0.82%	1.21%	1.2	
								,

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8902	PROCESSING & DISPOSAL	8920

1986 CAPITAL IMPROVEMENT BUDGET FINANCIAL SUMMARY

	Total	FU	FUNDING SOURCE					
Project Category	Project Cost	Bonds	Operations	Grants				
Equipment	245	0	245	0				
Improvements	18,000	18,000(G)	0	0				
Other	0	0	0	0				
TOTAL	18,245	18,000(G)	245	0				

Dollars in Thousands

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8902	PROCESSING & DISPOSAL	8920

1986-1991 CAPITAL IMPROVEMENT BUDGET FINANCIAL SUMMARY

			ANNUAL	PROJECT (COST		FU	INDING SOURCE		Total
Project Category	1986	1987	1988	1989	1990	1991	Bonds	<u>Operations</u>	Grants	Progra
Equipment	245	457	485	575	262	250	0	2,274	0	2,274
Improvements	18,000	0	4,722	4,883	1,279	1,401	18,000(G) 12,110(R)	0	175(5)	30,285
Other	0	425	0	0	0	<u>0</u>	0	425	0	425
TOTAL	18,245	882	5,207	5,458	1,541	1,651	30,110	2,699	175	32,984
Source of Funds										
Revenue Bonds	0	0	4,722	4,708	1,279	1,401	12,110	0	0	12,110
GO Bonds	18,000	0	0	, 0	´ 0	´ 0	18,000	0	0	18,000
Operations	245	882	485	575	262	250	0	2,699	0	2,699
State Grant	0	0	0	175	0	0	0	0	175	175
Federal Grant	0	0	0	0	0	0	0	0	0	0
TOTAL	18,245	882	5,207	5,458	1,541	1,651	30,110	2,699	175	32,984

Dollars in Thousands

Public Utilities	Unit No.	Utility	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8906		

Fund 0566 is an internal service fund which provides the Solid Waste Services Department with administrative and equipment maintenance services. One hundred percent of the costs incurred by this fund are charged to either Processing and Disposal, Fund 0562/0563 or to Refuse Collection, Fund 0560/0561.

Administration

The budget unit cost for Solid Waste Administration is planned to increase by 28 percent in 1986. Just over 15 percent, or \$136,300 is associated with the planned assumption of customer billing and accounts receivable activities. These functions are presently performed by Utility Customer Service and Municipal Data Processing. Solid Waste Services is planning a cooperative effort with the Anchorage Water and Wastewater Utility with the resulting process expected to produce a higher level of customer service at a lower cost to the rate payer. An additional 11 percent is a result of the establishment of a Utility Management Assistant to provide an increased level of public information and customer relations and the establishment of an Office Associate to provide clerical support to the Operations and Finance/Administration Manager. The remaining 2 percent increase is the result of inflationary impacts.

Public Utilities	Unit No.	Utility		······································	Unit No.	Division		Ĺ	Jnit No.
PUBLIC UTILITIES	8000	SOLID	WASTE	SERVICES	8906	A)	DMINISTRATION		8910
			MUNIC	CIPALITY OF ANCHORAGE	<u> </u>	J	-		
LINE ITEM DES	SCRIPTION			1984 ACTUAL	1985 PRO-FOF	3MA	1986 PROPOSED	1986 ADOP	TED
Personal Services Supplies Other Services Debt Service Capital Outlay				461,000 3,700 49,000 0	654, 7, 50,	000	823,100 38,700 89,800 0	38	3,100 3,700 9,800 0
TOTAL DIRECT COST				513,700	711,900		951,600	951,60	
Intragovernmental Char	Intragovernmental Charges From Others			93,600	181,200		194,100	194,10	
BUDGET UNIT COST	BUDGET UNIT COST				893,100		1,145,700	1,145,70	
Intragovernmental Char	ges To Other	·s		607,300	893,100		1,145,700	1,145,70	
FUNCTION COST			<u> </u>	0		0	00		0
			-				·		

Public Utilities	Unit No	Unity	Unit No.	Division	Unit No.
PUBLIC UTILITIES	8000	SOLID WASTE SERVICES	8906		

Fund 0566 is an internal service fund which provides the Solid Waste Services Department with administrative and equipment maintenance services. One hundred percent of the costs incurred by this fund are charged to either Processing and Disposal, Fund 0562/0563 or to Refuse Collection, Fund 0560/0561.

Equipment Maintenance

The budget unit cost for Equipment Maintenance is planned to increase by 16 percent in 1986. Approximately 14 percent is due to the increased support required by the new landfill and transfer facility. Two Mechanics and two Equipment Servicemen are required to maintain the additional equipment. The remaining 2 percent is caused by inflationary impacts.

olic Utilities		Unit No.	Unit No. Division					
PUBLIC UTILITIES	8000	SOLID WAST	SOLID WASTE SERVICES			8906 VEHICLE MAINTENANCE		
		MUN	ICIPALITY OF ANCHORAG)E				
			1984	1985				
LINE ITEM DESCRIPTION			ACTUAL	PRO-FORMA		1986 PROPOSED	1986 ADOPTED	
Personal Services Supplies Other Services Debt Service Capital Outlay			288,800 477,400 210,700 0	359,4 548,1 169,1	.00	414,000 657,400 179,800 0	414,0 657,4 179,8	
TOTAL DIRECT COST			976,900	1,076,600		1,251,200	1,251,2	
Intragovernmental Charges From Others			23,600	31,200		35,300	35,3	
BUDGET UNIT COST			1,000,500	1,107,800		1,286,500	1,286,5	
Intragovernmental Charges To Others			1,000,500	1,107,800		1,286,500	1,286,5	
FUNCTION COST			0		0	0	MANUAL PARTIES AND	