

SB

31

SFIN

FILE

SB 31

was referred to the
Senate Finance
Committee

Hearing(s) were held

The bill did not move
from Committee

**CRITERIA SYSTEM
ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CAPITAL BUDGET
SFY 2000**

VILLAGE SAFE WATER PROGRAM

I. Problem Addressed

A. Public Health

- | | | |
|----|---|-----|
| 1. | An existing human disease event exists (documented by a recognized public health organization and reviewed by ADEC). Construction of the requested capital project <u>will correct</u> the <u>existing</u> problem. | 300 |
| 2. | Current conditions are sufficiently severe that a disease event could occur but it has not been reported. | 200 |
| 3. | Conditions are not probable for a disease event to take place. The capital project is required to prevent or minimize the possibility of future public health problems. | 100 |

B. Environmental

- | | | |
|----|---|-----|
| 1. | A documented pollution event has taken place and construction of this facility will correct the existing problem. | 200 |
| 2. | Current conditions are sufficiently severe that a pollution event could occur but it has not been reported. | 100 |
| 3. | Conditions are not probable for a pollution event to take place. The capital project is required to prevent or minimize the possibility of future pollution events. | 50 |

II. Project Development Status

- | | | |
|----|--|-----|
| A. | Engineering plans and specifications have been prepared. | 100 |
| B. | Feasibility study or facility plan has been prepared. | 50 |
| C. | Comprehensive study or master plan has been prepared which compares the need for the project with other community needs. | 25 |
| D. | No documentation has been prepared. | 0 |

III.	Other Funds	
A.	Confirmed federal funding available to match or complete project.	100
IV.	Operation and Maintenance Capabilities	
A.	Trained operator or utility manager employed: Name and training. and/or	75
B.	1. State certified <u>primary</u> operator employed: Name and certification number.	150
	2. State certified <u>backup</u> operator employed: Name and certification number.	100
C.	Rules, Fee Schedules or User fee ordinance adopted: Copy submitted.	50
D.	O&M costs and funding identified.	50
E.	Compliance with State Drinking Water program turbidity and bacti sample submittal requirements for at least 9 of 12 months.	75
V.	Relationship to Other Project Phases	
A.	This project is needed to make the initial project phase functional.	150
B.	This project is needed to promote economic development and local employment opportunities. <u>Specific</u> economic development potential must be identified or explanation of how project fits into long range utility plan.	100
C.	Project construction coordinated with other projects and funding sources to promote cost efficiencies. Projects/funding such as ISTEAs and AEA should be identified.	50
D.	Village and school facility consolidation.	150
VI.	Resolution signed by council quorum submitted identifying project as the number one community priority.	50

SFC Secretary
26 Jan 1999

Governor Knowles' Proposed FY2000 Capital Budget

The full list of capital projects proposed by the governor and the capital budget bill are available on the OMB web site:
www.gov.state.ak.us/omb/akomb.htm

The Governor's \$921 million capital plan for FY2000 focuses on economic development, transportation, public safety, education, and health. It includes \$641 million in federal funds, a \$55 million increase over FY1999. General funds are \$81.5 million, which is \$3.9 million less than the current year. AHFC's share of the budget remains at \$52 million. AIDEA's FY2000 dividend of \$18.8 million is appropriated to the community capital matching grants program and to economic development projects such as matching federal funds for harbor improvements.

School Construction and Major Maintenance

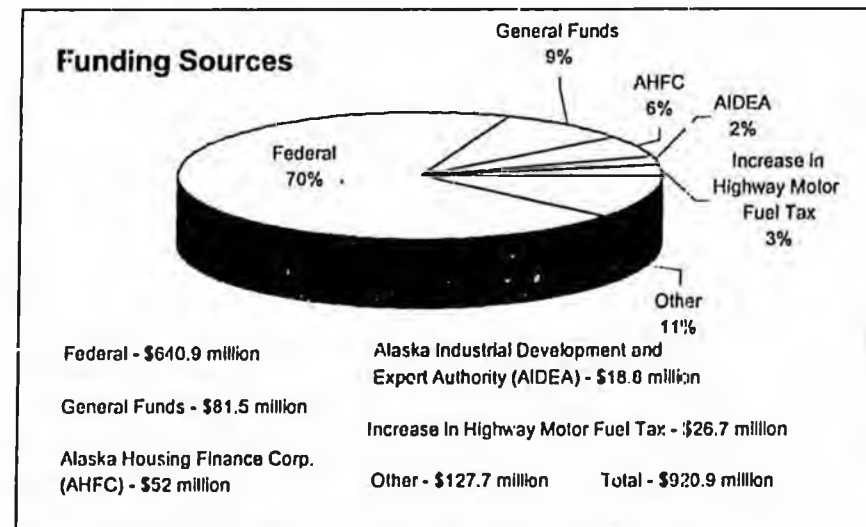
The capital bill does not include K-12 school projects because \$60 million will be proposed in a bond bill to fund all major maintenance projects and construction of the #1 school on the statewide priority list, which was passed over in last year's AHFC bond package.

Federal Highway Funds

Alaska's good fortune in getting significantly higher federal funding for highways can be secured only if the required state matching funds are raised. The Governor's plan includes a moderate increase in the highway motor fuel tax to provide these matching funds. Even with the increase, Alaska's tax rate (which has remained 8 cents since 1961) would still be lower than in 45 of the other states.

Municipal and Village Water/Sewer Projects and Community Capital Matching Grants

The complete lists of community projects to be funded through these programs are in the Governor's capital budget bill and on the OMB web site (address above).



Governor Knowles' FY2000 Capital Budget - December 15, 1998
All Projects in the Capital and Mental Health Bills

Agency	Project Title	General Funds	AIDEA Rcpt	AHFC Rcpts	Federal Funds	Other Funds	Total Funds
Development							
Comm & Reg Affairs	Alaska Native Heritage Center		500,000				500,000
Comm & Reg Affairs	Arctic Winter Games Team Alaska	75,000					75,000
Comm & Reg Affairs	Rural Development Assistance Grants		800,000				800,000
Comm & Reg Affairs	U.S. Forest Service Mini-Grants				200,000		200,000
Commerce	Economic Development Matching Grant Program		200,000				200,000
Commerce	EDA Annual Planning Grant		100,000				100,000
Commerce	Kodiak Launch Complex				7,000,000	5,000,000	12,000,000
Fish & Game	Anchorage Urban Fisheries Public Access Development				150,000		150,000
Fish & Game	Kachemak Bay Research Reserve Facilities and Operations	85,700			1,300,000		1,385,700
Fish & Game	Nearshore Fisheries Stock Assessment and Research				1,200,000		1,200,000
Fish & Game	Recreational Boat Sewage Pumpout Facility Development				500,000		500,000
Fish & Game	Southeast Region Vessel Facility	1,240,400				137,800	1,378,200
Fish & Game	Sport Fishing and Recreational Boating Public Access and Facility Development				2,025,000	675,000	2,700,000
Fish & Game	Statewide Facilities Deferred Maintenance	400,000					400,000
Fish & Game	Transient Boat Moorage Development				500,000		500,000
Fish & Game	Upper Cook Inlet Salmon Research	250,000			250,000		500,000
Health & Soc Svcs	Anchorage Public Assistance "One Stop" Job Center Office Re-Configuration	42,800			238,600		281,400
Natural Resources	Abandoned Mine Lands Reclamation Federal Program				1,500,000		1,500,000
Natural Resources	Agricultural Land Disposals					250,000	250,000
Natural Resources	Airborne Geophysical and Geophysical Mineral Inventory	250,000					250,000

Governor Knowles' FY2000 Capital Budget - December 15, 1998

All Projects in the Capital and Mental Health Bills

Agency	Project Title	General Funds	AIDEA Rcpt	AHFC Rcpts	Federal Funds	Other Funds	Total Funds
Development							
Natural Resources	Cooperative Forestry Pass-Through Federal Grants				500,000		500,000
Natural Resources	Land Status Geographic Information Systems	300,000					300,000
Natural Resources	Mental Health Trust Office Land Management and Enhancement					660,000	660,000
Natural Resources	Mt. McKinley Meat Plant Processing Facility Wall Repair					200,000	200,000
Natural Resources	National Historic Preservation Fund and Federal Grants				640,000		640,000
Natural Resources	National Recreational Trails Federal Program				650,000		650,000
Natural Resources	Oil and Gas Royalty Accounting System, Phases II and III	150,000					150,000
Natural Resources	Recorder's Office Equipment and Completion of Aperture Card Filming	250,000					250,000
Natural Resources	Snowmobile Trails Development	120,000					120,000
Development Subtotal		3,163,900	1,600,000	0	16,653,600	6,922,800	28,340,300
Education							
Administration	Information Technology Literacy Project	175,000					175,000
Education	Alaska Commission on Postsecondary Education - Equipment Replacement					64,500	64,500
Education	AVTEC - Instructional Equipment Replacement	60,000					60,000
Education Subtotal		235,000	0	0	0	64,500	299,500
Health/Safety							
Administration	Land Mobile Radio Conversion	615,000					615,000
Administration	License Plates and Drivers License Manuals	200,000					200,000
Comm & Reg Affairs	Bulk Fuel Storage Facility Upgrades					1,600,000	1,600,000
Comm & Reg Affairs	Electrical Emergencies					366,100	366,100
Comm & Reg Affairs	Flood Mitigation Assistance Grants				350,000		350,000

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All Projects in the Capital and Mental Health Bills

Agency	Project Title	General Funds	AIDEA Rcpt	AHFC Rcpts	Federal Funds	Other Funds	Total Funds
Health/Safety							
Comm & Reg Affairs	Head Start Health and Safety Repairs	200,000					200,000
Education	BIA School Sites Cleanup Planning	20,000					20,000
Education	Library - Repair Archives Building Foundation	90,000					90,000
Environ Conserv	Fine Particulate Monitoring				494,500		494,500
Environ Conserv	Kodiak Island Borough Waste Management Implementation					743,000	743,000
Environ Conserv	Municipal Water, Sewer and Solid Waste Matching Grants Projects	8,364,900		5,296,400	4,502,900		18,164,200
Environ Conserv	National Pollutant Discharge Elimination System Assumption	125,000					125,000
Environ Conserv	Statewide Contaminated Cleanup					5,000,000	5,000,000
Environ Conserv	Upgrade of State-Owned Aboveground Storage Tanks					1,200,000	1,200,000
Environ Conserv	Upgrade, Closure or Replacement of Private Underground Storage Tanks					5,000,000	5,000,000
Environ Conserv	Upgrade, Closure or Replacement of State-Owned Underground Storage Tanks					2,500,000	2,500,000
Environ Conserv	Village Safe Water Feasibility Studies			1,382,685	2,765,364		4,148,049
Environ Conserv	Village Safe Water Project Administration			1,847,000	234,700		2,081,700
Environ Conserv	Village Safe Water Projects that Match Federal RDA Funds	1,930,010		4,714,915			6,644,925
Environ Conserv	Village Safe Water Projects with EPA Funding	10,365,868			20,731,732		31,097,600
Fish & Game	Dock Repair, Maintenance and Replacement	375,000					375,000
Fish & Game	Vessel and Aircraft Maintenance and Repair	200,000					200,000
Governor	Americans with Disabilities Act Compliance Projects	500,000					500,000
Health & Soc Svcs	API 2000 - Facility Replacement				7,000,000	2,000,000	9,000,000
Health & Soc Svcs	API Stop - Gap Repairs	225,000					225,000

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All Projects in the Capital and Mental Health Bills

Agency	Project Title	General Funds	AIDEA Rcpt	AHFC Rcpts	Federal Funds	Other Funds	Total Funds
Health/Safety							
Health & Soc Svcs	Deferred Maintenance, Renewal, Replacement and Equipment	750,000			100,000		850,000
Health & Soc Svcs	Family Services Field Safety, Office and Transportation Equipment	200,000					200,000
Health & Soc Svcs	Mental Health Trust Beneficiary Equipment	75,000				75,000	150,000
Health & Soc Svcs	Program Facilities Deferred Maintenance and Americans with Disabilities Act Upgrades	250,000				250,000	500,000
Health & Soc Svcs	Public Health Nursing Wide Area Network and Computer Upgrade	100,000					100,000
Health & Soc Svcs	State Medical Examiner Imaging Equipment	25,000					25,000
Labor	Worksite Chemical Exposure Analysis Equipment	24,600			24,600		49,200
Natural Resources	State Park Emergency Repairs	400,000					400,000
Health/Safety Subtotal		25,035,378	0	13,241,000	36,203,796	15,134,100	93,214,274
Housing							
Administration	Pioneers' Homes Health and Safety Repairs	500,000					500,000
Education	Home Modifications for Individuals with Disabilities	100,000					100,000
Health & Soc Svcs	Housing Modifications for People with Special Needs	150,000		250,000			400,000
Revenue	AHFC Beneficiary and Special Needs Housing			1,700,000			1,700,000
Revenue	AHFC Builder and Rater Education Program			300,000			300,000
Revenue	AHFC Central Terrace/Fairmount, Phase III			724,000			724,000
Revenue	AHFC Competitive Grants for Public Housing			250,000	750,000		1,000,000
Revenue	AHFC Energy Efficiency Monitoring Research			350,000			350,000
Revenue	AHFC Federal and Other Competitive Grants			1,250,000	1,500,000		2,750,000
Revenue	AHFC Homeless Assistance Program			250,000		200,000	450,000
Revenue	AHFC Housing and Urban Development Comprehensive Grant Program				2,800,000		2,800,000

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Agency	Project Title	General Funds	AIDEA Rcpt	AHFC Rcpts	Federal Funds	Other Funds	Total Funds
Housing							
Revenue	AHFC Housing and Urban Development Federal HOME Grant			750,000	3,000,000		3,750,000
Revenue	AHFC Low Income Weatherization			4,000,000	1,400,000		5,400,000
Revenue	AHFC Mountain View Senior Units, Phase II			3,917,000			3,917,000
Revenue	AHFC Parkview Manor Renovation, Phase II			3,000,000			3,000,000
Revenue	AHFC Public Housing Environmental Cleanup and Abatement			303,000			303,000
Revenue	AHFC Riverbend Multi-Purpose Building			500,000			500,000
Revenue	AHFC Senior and Statewide Deferred Maintenance and Renovation			3,500,000	500,000		4,000,000
Revenue	AHFC Senior Citizens Housing Development Program			4,000,000			4,000,000
Revenue	AHFC Southall Manor Renovation			4,715,000			4,715,000
Revenue	AHFC Supplemental Housing Development Program			9,000,000			9,000,000
	Housing Subtotal	750,000	0	38,759,000	9,950,000	200,000	49,659,000
Justice							
Administration	Public Defender Criminal Justice Information Integration Project	400,000					400,000
Administration	Bethel Courthouse Transfer	250,000					250,000
Administration	Criminal Justice Integration Projects Analysis	200,000					200,000
Corrections	Equipment Replacement	250,000					250,000
Corrections	Maintenance, Renovation, Repair, Renewal and Replacement	900,000					900,000
Corrections	Criminal Justice Information System (OBSCIS) Replacement				1,000,000		1,000,000
Corrections	Data Technical Support				300,000		300,000
Health & Soc Svcs	Fairbanks Youth Facility Fire Alarm Replacement	336,000					336,000
Health & Soc Svcs	Juvenile Offender Management Information System				1,500,000		1,500,000

Governor Knowles' FY2000 Capital Budget - December 15, 1998

All Projects in the Capital and Mental Health Bills

Agency	Project Title	General Funds	AIDEA Rcpt	AHFC Rcpts	Federal Funds	Other Funds	Total Funds
Justice							
Mil & Vet Affairs	Air Guard Facility Maintenance	250,000			750,000		1,000,000
Mil & Vet Affairs	Army Guard Facilities Planning and Construction				1,500,000		1,500,000
Mil & Vet Affairs	Army Guard Facility Deferred Maintenance and Scheduled Renovation and Replacement	250,000			1,100,000		1,350,000
Mil & Vet Affairs	Federal Scout Armories				1,421,900		1,421,900
Public Safety	Aircraft and Vessel Repair and Maintenance	1,000,000					1,000,000
Public Safety	Alaska Public Safety Information Network - Upgrade	139,000			1,250,000		1,389,000
Public Safety	Blood Alcohol Test Equipment	50,000					50,000
Public Safety	Breath Alcohol Equipment Replacement	41,850				97,650	139,500
Public Safety	Fish and Wildlife Protection - Enforcement Replacement Vessels	537,500					537,500
Public Safety	Fish and Wildlife Protection - Statewide Equipment	250,000					250,000
Public Safety	Trooper Law Enforcement Equipment	350,000					350,000
	Justice Subtotal	5,204,350	0	0	8,821,900	97,650	14,123,900
Public Support Technology/Service							
Administration	Bandwidth Increase	500,000					500,000
Administration	Information Service Fund Equipment Replacement					3,500,000	3,500,000
Administration	Satellite Interconnection Project Equipment Replacement and Repair	150,000					150,000
Education	*Library - Statewide Library Electronic Doorway [SLED]	100,000					100,000
Governor	AccuVote System	310,900					310,900
Labor	Equipment Replacement				455,600		455,600
Labor	Unemployment Insurance Tax System Redesign				2,600,000		2,600,000
Revenue	Child Support Distribution and Disbursement System	340,000			1,360,000		1,700,000

Governor Knowles' FY2000 Capital Budget - December 15, 1998

All Projects in the Capital and Mental Health Bills

Agency	Project Title	General Funds	AIDEA Rcpt	AHFC Rcpts	Federal Funds	Other Funds	Total Funds
Public Support Technology/Service							
Revenue	Child Support Personal Computer Replacement	23,800			46,200		70,000
Revenue	Permanent Fund Management Information System Consolidated Reporting and Data Warehouse					535,000	535,000
Revenue	Permanent Fund Power and Environmental Systems Replacement and Upgrade					355,000	355,000
Public Support Technology/Service Subtotal		1,424,700	0	0	4,461,800	4,390,000	10,276,500
Transportation							
Transportation	Airport Deferred Maintenance	900,000					900,000
Transportation	Alaska Marine Highway System Overhaul, Rehabilitation, and Mandatory Training	4,390,600					4,390,600
Transportation	Aviation and Surface Transportation Program	28,900,000			554,367,888	73,344,000	656,611,888
Transportation	Coordinated Transportation and Vehicles	150,000				150,000	300,000
Transportation	Corps of Engineers Program	4,181,100	2,200,000				6,381,100
Transportation	Emergency and Non-Routine Repairs	1,000,000					1,000,000
Transportation	Facilities Deferred Maintenance and Critical Repairs	1,028,000					1,028,000
Transportation	Harbor Deferred Maintenance	1,000,000					1,000,000
Transportation	Highway Deferred Maintenance	1,000,000					1,000,000
Transportation	Relocate and Consolidate Marine Highway System Operations					1,500,000	1,500,000
Transportation	Statewide Programs	150,000			10,400,000	22,300,000	32,850,000
Transportation Subtotal		42,699,700	2,200,000	0	564,767,888	97,294,000	706,961,588

Governor Knowles' FY2000 Capital Budget - December 15, 1998
All Projects in the Capital and Mental Health Bills

Agency	Project Title	General Funds	AIDEA Rcpt	AHFC Rcpts	Federal Funds	Other Funds	Total Funds
University							
University	UAF-Tanana Valley College/ Hutchison Career Center Renovation	3,000,000					3,000,000
	University Subtotal	3,000,000	0	0	0	0	3,000,000
	TOTAL STATE AGENCIES	81,513,028	3,800,000	52,000,000	640,858,984	127,703,050	905,875,062
	CAPITAL MATCHING GRANTS PROGRAMS	0	15,000,000	0	0	0	15,000,000
	TOTAL EXECUTIVE BRANCH	81,513,028	18,800,000	52,000,000	640,858,984	127,703,050	920,875,062
	ALASKA COURT SYSTEM	4,700,000					



Official Business

Alaska State Senate

Senate Finance Committee

Mail Stop 3100
State Capitol
Juneau, Alaska 99801-1182

A G E N D A

TUESDAY, 26 January 1999

9:00 A.M.

SB 28 INCREASE IN PROGRAM RECEIPTS

SB 31 CAPITAL BUDGET OVERVIEWS

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OFFICE OF MANAGEMENT AND BUDGET

Annalee McConnell, Director

**WATER AND SANITATION CAPITAL PROJECTS
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

Dan Easton, Director

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Capital Budget Overview

**Alaska Department of Environmental Conservation
Division of Facility Construction and Operation**

Fiscal Year 2000 Governor's Proposed Capital Budget

**Senate Finance Committee
January 26, 1999**

DEC FCO FY 2000 Capital Budget Overview

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Mission and means

Mission:

Develop safe water, sewerage and solid waste systems in large and small communities throughout the state.

Means:

Provide loans, grants and assistance to communities to construct water, sewer and solid waste projects.

Develop training programs for and certify the operators of those systems.

Provide over-the-shoulder assistance to water and sewerage system operators in 150 communities.

Grant/Loan Process

- ① Communities complete applications for grant/loan funds (see FY2000 Grant Requests).
- ② Applications are ranked primarily on the basis of
 - health needs and
 - community's ability to operate and maintain the facilities.
- ③ Priority lists are generated and projects identified for funding (see FY 2000 Priority Lists).
- ④ Funds are committed to communities in grant/loan agreements.
- ⑤ A DEC engineer is assigned to the project.
- ⑥ Funds are disbursed to communities as progress payments.
- ⑦ Upon completion, facility operation and maintenance becomes local responsibility.

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Public vs. private roles

Grant and loan programs are designed to make full use of the private sector:

Private Companies

- Feasibility studies
- System designs
- Construction management
- Accounting and bookkeeping
- Construction
- Training

Facility Construction and Operation

- Manage state and federal funds
- Community and operator assistance

Total Capital Budget Summary

Appropriation	FY 1999			FY 2000			Change		
	State	Federal	Total	State	Federal	Total	State	Federal	Total
Clean Water Loan Fund	\$2,359.7	\$11,798.4	\$14,158.1	\$1,608.3	\$8,041.2	\$9,649.5	-\$751.4	-\$3,757.2	-\$4,508.6
Drinking Water Loan Fund	\$1,468.1	\$7,340.3	\$8,808.4	\$1,492.8	\$7,463.8	\$8,956.6	\$24.7	\$123.5	\$148.2
VSW Project Administration	\$1,441.0	\$0.0	\$1,441.0	\$1,847.0	\$234.7	\$2,081.7	\$406.0	\$234.7	\$640.7
VSW Studies	\$902.7	\$902.7	\$1,805.4	\$1,382.7	\$2,765.4	\$4,148.1	\$480.0	\$1,862.7	\$2,342.7
VSW/EPA Match Projects	\$10,940.6	\$10,940.6	\$21,881.2	\$10,365.9	\$20,731.7	\$31,097.6	-\$574.7	\$9,791.1	\$9,216.4
VSW/USDA-RD Match Projects	\$10,000.0	(see note)	\$10,000.0	\$6,644.9	(see note)	\$6,644.9	-\$3,355.1	(see note)	-\$3,355.1
VSW/No Match Projects	\$865.0	\$0.0	\$865.0	\$0.0	\$0.0	\$0.0	-\$865.0	\$0.0	-\$865.0
Municipal Water/Sewer Matchin	\$15,633.6	\$2,117.2	\$17,750.8	\$13,661.3	\$4,502.9	\$18,164.2	-\$1,972.3	\$2,385.7	\$413.4
Total	\$43,610.7	\$33,099.2	\$76,709.9	\$37,002.9	\$43,739.7	\$80,742.6	-\$6,607.8	\$10,640.5	\$4,032.7

Note: Authority to receive and expend USDA-RD funding is not requested in the capital budget.

However, the state match requested is required to secure the USDA-RD funding.

In FY99 a federal grant of \$10 million was matched with a state appropriation of \$10 million.

The FY00 request calls for a federal grant of \$19.9 million matched with a state appropriation of \$6.6 million.

Overall request of \$80.7 million represents:

- a decrease of \$6.6 million in state funds over FY99 appropriations
- an increase of \$10.6 million in EPA grant funds
- an increase of \$10.0 million in USDA-RD grant funds direct to communities (and not included in the capital budget)

Loan Program Appropriations

Appropriation	FY 1999			FY 2000			Change		
	State	Federal	Total	State	Federal	Total	State	Federal	Total
Clean Water Loan Fund	\$2,359.7	\$11,798.4	\$14,158.1	\$1,608.3	\$8,041.2	\$9,649.5	-\$751.4	-\$3,757.2	-\$4,508.6
Drinking Water Loan Fund	\$1,463.1	\$7,340.3	\$8,808.4	\$1,492.8	\$7,463.8	\$8,956.6	\$24.7	\$123.5	\$148.2
Total	\$3,827.8	\$19,138.7	\$22,966.5	\$3,101.1	\$15,505.0	\$18,606.1	-\$726.7	-\$3,633.7	-\$4,360.4

These two appropriations will . . .

- A state investment of \$1.6 million will secure federal grants of \$8.0 million making \$9.6 million in low interest loans available to communities for wastewater projects.
- A state investment of \$1.5 million will secure federal grants of \$7.5 million making \$9.0 million in low interest loans available to communities for drinking water projects.

Compared to FY99 . . .

- ↓ Overall request is \$4.3 million less
- ↓ State contribution is \$700 thousand less
- ↓ Federal contribution is \$3.6 million less

Village Safe Water Appropriations

Appropriation	FY 1999			FY 2000			Change		
	State	Federal	Total	State	Federal	Total	State	Federal	Total
VSW Admin	\$1,441.0	\$0.0	\$1,441.0	\$1,847.0	\$234.7	\$2,081.7	\$406.0	\$234.7	\$640.7
VSW Studies	\$902.7	\$902.7	\$1,805.4	\$1,382.7	\$2,765.4	\$4,148.1	\$480.0	\$1,862.7	\$2,342.7
VSW/EPA Match Projects	\$10,940.6	\$10,940.6	\$21,881.2	\$10,365.9	\$20,731.7	\$31,097.6	-\$574.7	\$9,791.1	\$9,216.4
VSW/USDA-RD Match Projects	\$10,000.0	(see note)	\$10,000.0	\$6,644.9	(see note)	\$6,644.9	-\$3,355.1	(see note)	-\$3,355.1
VSW/No Match Projects	\$865.0	\$0.0	\$865.0	\$0.0	\$0.0	\$0.0	-\$865.0	\$0.0	-\$865.0
Total	\$24,149.3	\$11,843.3	\$35,992.6	\$20,240.5	\$23,731.8	\$43,972.3	-\$3,908.8	\$11,888.5	\$7,979.7

Note: Authority to receive and expend USDA-RD funding is not requested in the capital budget.

However, the state match requested is required to secure the USDA-RD funding.

In FY99 a federal grant of \$10 million was matched with a state appropriation of \$10 million.

The FY00 request calls for a federal grant of \$19.9 million matched with a state appropriation of \$6.6 million.

These four appropriations will . . .

- A state investment of \$18 million will secure \$43 million in federal grants providing a total of \$61 million (including \$20 million in USDA-RD grant funds direct to communities) in grants to smaller communities for 72 water, sewerage and solid waste studies and projects (see priority list).
- Provide \$2 million to the DEC operating budget to administer the projects.

Compared to FY99 . . .

- ↑ Overall request is \$8 million more
- ↓ State contribution is \$4 million less
- ↑ Federal contribution is \$12 million more

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Municipal Water, Sewer and Solid Waste Matching Grant Appropriations

Appropriation	FY 1999			FY 2000			Change		
	State	Federal	Total	State	Federal	Total	State	Federal	Total
Municipal Water, Sewer and Solid Waste Matching Grants	\$15,633.6	\$2,117.2	\$17,750.8	\$13,661.3	\$4,502.9	\$18,164.2	-\$1,972.3	\$2,385.7	\$413.4
Total	\$15,633.6	\$2,117.2	\$17,750.8	\$13,661.3	\$4,502.9	\$18,164.2	-\$1,972.3	\$2,385.7	\$413.4

This appropriation will . . .

Provide \$18.2 million (\$4.5 million federal and \$13.7 million in state funding) in matching grants to larger communities for 26 water, sewerage and solid waste projects (see priority list)

Compared to FY99 . . .

- ↑ Overall request is \$400 thousand more
- ↓ State contribution is \$2 million less
- ↑ Federal contribution is \$2.4 million more



Operating Budget Items

Appropriation Item	Capital Budget			Operating Budget		
	State	Federal	Total	State	Federal	Total
Clean Water Fund	\$1,608.3	\$8,041.2	\$9,649.5	\$75.9	\$379.4	\$455.3
Drinking Water Fund	\$1,492.8	\$7,463.8	\$8,956.6	\$86.4	\$432.0	\$518.4
VSW Admin	\$1,847.0	\$234.7	\$2,081.7	\$1,847.0	\$234.7	\$2,081.7
VSW Studies	\$1,382.7	\$2,765.4	\$4,148.1	\$0.0	\$0.0	\$0.0
VSW/EPA Match Projects	\$10,365.9	\$20,731.7	\$31,097.6	\$0.0	\$0.0	\$0.0
VSW/USDA-RD Match Projects	\$6,644.9	(see note)	\$6,644.9	\$0.0	\$0.0	\$0.0
Municipal W/S/SW Matching Grants	\$13,561.3	\$4,502.9	\$18,164.2	\$0.0	\$0.0	\$0.0
Total	\$37,002.9	\$43,739.7	\$80,742.6	\$2,009.3	\$1,046.1	\$3,055.4

Note: Authority to receive and expend is not requested in the capital budget.
 The state match requested is required to secure the USDA-RD funding.



DAN EASTON, P.E.

DIRECTOR

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STATE OF ALASKA
DEPARTMENT OF
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Ⓢ

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SB 31
SEN F.M.

MUNICIPAL MATCHING GRANTS

FY2000 Community Grant Requests

- Water
- Solid Waste
- Wastewater Treatment



Alaska Department of Environmental Conservation

Prepared by the Division of Facility Construction and Operation - January, 1999

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MUNICIPAL MATCHING GRANTS

INTRODUCTION

This report presents proposed capital projects to be funded through the ADEC Municipal Matching Grants Program in FY00. A total of 33 communities requested \$78.2 million worth of capital projects for FY00.

33 communities requested \$78.2 million for water, sewer and solid waste improvements.

The community sanitation needs are organized alphabetically by community. A cross reference, by election district, is also provided. This booklet is not necessarily a comprehensive assessment of all sanitation needs statewide. It is a compendium of all projects from communities which have expressed an interest in participating in the FY00 matching grants program.

Requests are organized alphabetically by community.

The list of projects this year can be broken down into five categories as shown below:

Type of Project	Number of Projects	Amount of Funding Requested
Drinking Water	17	\$13,068,800
Wastewater	26	20,259,600
Solid Waste	6	6,859,100
Water Quality	9	3,296,600
Combination	19	34,667,300
(Water and Wastewater)	77	\$78,151,400

Changing federal laws are continuing to exert a strong influence on the basic needs of communities in Alaska. Drinking water, sewage disposal and solid waste disposal utilities are preparing to meet stringent federal guidelines. At the same time, the lack of federal monies for these new mandates mean that Alaskans will have to provide the resources to satisfy these requirements. We can expect to see appropriation requests at the same level as those shown above, for the next several years, if communities are to meet the federal guidelines.

Increasing federal regulations will cause appropriation requests to stay at the same level for several years.

MUNICIPAL MATCHING GRANTS

GRANTS FOR WATER, SEWER AND SOLID WASTE PROJECTS

The Municipal Matching Grants program can provide grants for 50 to 85 percent of the costs for water, sewer, and solid waste improvements. Communities provide the balance of project costs.

- Grants may be used to pay for planning, engineering, construction, legal, administration and equipment costs. The purchase of land is eligible if it is an integral part of the treatment process. The grants are available only to incorporated municipalities. The program has funded over 717 projects in 63 communities since 1970.
- The percentage of local financial participation depends on the population of the community. Up to 85% of project costs can be granted for communities of less than 1,000 people. The grant amount can be 70% for municipalities with populations between 1,000 and 5,000. Over 5,000 and the grant is reduced to 50%.

**Program funds 50%
to 85% of project costs
depending on popula-
tion.**

MUNICIPAL MATCHING GRANTS

ADVANTAGES OF PROGRAM: Continued use of the Matching Grants Program provides several advantages to Alaska.

-
- Local Participation
 - Technical Assistance
 - Accountability
 - Local Financial Planning
-

Local Participation. Local funding participation strongly encourages community interest and better project management at the local level, with an expected lower total project cost than one fully funded by the state.

Technical Assistance. The ADEC engineering staff assists communities in the review of engineering plans, contracts, change orders and project permitting.

Payment Schedule. Project payments are made only as the project is constructed, minimizing the potential for State dollars to remain unavailable for other needs.

Accountability. The program is an advocate of strong accountability and has maintained this goal through project audits. Since 1976, over 463 projects have been reviewed or audited, resulting in the identification and resolution of issues involving over \$55.8 million in project expenditures.

Local Financial Planning. The program provides to local governments, incentives to implement local water and sewer master plans, to develop long range financial plans and to raise local revenue. The program encourages local governments to resolve their own sanitation problems, instead of expecting the state to provide all the project costs.

Statewide Needs Identification. The program provides an annual review and analysis of statewide water, sewer and solid waste needs.

COMMUNITY PROJECTS

- WATER SUPPLY
- SOLID WASTE
- WASTEWATER TREATMENT



Alaska Department of Environmental Conservation
Prepared by the Division of Facility Construction and Operation - January, 1999

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**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:
Engineer/Inspect:
Construction: \$1,064,000
Equipment:
Other:

Total: \$1,064,000

Community: Anchorage
Project Title: 1998 Equipment

Grant Amount Requested: \$ 1,064,000
Election District:
Project Priority:
Population Served: 255,000

Project Description:

Solid Waste Services (SWS) operates transfer stations and a municipal sanitary landfill. In order to perform the operations, various types of heavy equipment, including semitractors, 120 cubic yard transfer trailers, tankers, loaders, off-road cover trucks, landfill compactors, dozers, cherry pickers and miscellaneous other equipment is required. When the equipment reaches the end of its useful life, it is replaced with new equipment in accordance with a planned schedule.

Project Need:

Failure to replace worn out equipment could result in higher maintenance costs and/or complete failure of SWS's ability to process solid waste through the transfer stations or failure to dispose of the waste at the Anchorage Regional Landfill in accordance with state and federal regulations.

COMMUNITY CONTACT

Name: Director, Solid Waste Services

Address: Anchorage
Anchorage 99519-6650

Phone Number: (907) 343-6262

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$17,000
Engineer/Inspect:	
Construction:	
Equipment:	\$3,000
Other:	\$80,000
Total:	\$100,000

Community: **Anchorage**

Project Title: Business Partners for Anchorage Waterways

Grant Amount Requested: \$ 50,000

Election District:

Project Priority:

Population Served: 250,000

Project Description:

This project focuses on urban non-point sources of pollution entering waterways from business lots and practices. Non-point source pollution has been identified as the primary waste stream currently affecting Anchorage streams and lakes. Anchorage area businesses are a major contributor to this pollution stream. Businesses will be encouraged to survey their properties and reduce parking lot and process wastes. They will be provided with educational and stewardship materials.

Project Need:

The project is needed to help reduce waste streams in Anchorage which negatively affect the environment and cause pollutants to run into local streams and lakes. More focus needs to be given to Anchorage businesses causing these problems.

COMMUNITY CONTACT

Name: Water Quality Specialist

Address: P.O. Box 196650
Anchorage 99519-6650

Phone Number: (907) 786-4433

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$50,000
Engineer/Inspect:	\$500,000
Construction:	\$1,050,000
Equipment:	
Other:	\$500,000
Total:	\$2,100,000

Community: **Anchorage**

Project Title: Campbell Creek Sedimentation Basin Expansion

Grant Amount Requested: \$ 200,000

Election District:

Project Priority:

Population Served: 250,000

Project Description:

This project is expected to consist of property acquisition, design, and construction of water quality improvements to an existing sedimentation basin which outfalls into Campbell Creek. Improvements are expected to include upgrading and expanding the existing sedimentation basin, oil and grit separator and landscaping.

Project Need:

The water quality improvements at this location will remove oil, grease, sediment, and other contaminants from snow melt from the snow disposal site prior to discharge into adjacent wetlands. Construction is necessary to enhance compliance with federal requirements of the Clean Water Act. The consequences of not constructing the project may include violation of the Clean Water Act, environmental pollution and adverse public health impacts.

COMMUNITY CONTACT

Name: Public Works CIP Coordinator

Address: P.O. Box 196650
Anchorage 99519

Phone Number: (907) 343-8120

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$50,000
Engineer/Inspect:	\$500,000
Construction:	\$865,000
Equipment:	
Other:	\$900,000
Total:	\$2,315,000

Community: **Anchorage**

Project Title: Campbell Creek Storm Outfall Improvements

Grant Amount Requested: \$ 1,157,500

Election District:

Project Priority:

Population Served: 250,000

Project Description:

This project consists of property acquisition, design, and construction of water quality improvements for an existing storm drain outfall into Campbell Creek. This outfall collects drainage from an industrial area along King Street. Improvements may include a sedimentation basin, oil and grit separator, landscaping, and storm pipe.

Project Need:

The water quality improvements at this location are identified as a priority in the South Anchorage Drainage Master Plan. The improvements will remove oil, grease, sediment, and other contaminants from storm water prior to discharge into Campbell Creek. Construction is necessary to enhance compliance with federal requirements of the Clean Water Act related to the treatment of storm runoff. The consequences of not constructing the project may include violation of requirements of the Clean Water Act, environmental pollution, and adverse public health impacts.

COMMUNITY CONTACT

Name: Public Works CIP Coordinator

Address: P.O. Box 196650
Anchorage 99519

Phone Number: (907) 343-8120

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$20,000
Engineer/Inspect:	\$120,000
Construction:	\$610,000
Equipment:	
Other:	
Total:	\$750,000

Community: Anchorage

Project Title: Kloep Station Water Quality Improvements

Grant Amount Requested: \$ 375,000

Election District:

Project Priority:

Population Served: 250,000

Project Description:

This project consists of design and construction of water quality improvements for snow melt from the Municipality's Kloep Station Snow Disposal Site. Improvements may include a small sedimentation basin, oil and grit separator, landscaping and storm pipe.

Project Need:

The water quality improvements at this location will remove oil, grease, sediment, and other contaminants from snow melt from the snow disposal site prior to discharge into adjacent wetlands. Construction is necessary to enhance compliance with federal requirements of the Clean Water Act. The consequences of not constructing the project may include violation of the Clean Water Act, environmental pollution and adverse public health impacts.

COMMUNITY CONTACT

Name: Public Works CIP Coordinator

Address: P.O. Box 196650
Anchorage 99519

Phone Number: (907) 343-8120

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$17,000
Engineer/Inspect:	
Construction:	
Equipment:	\$3,000
Other:	\$80,000
Total:	\$100,000

Community: **Anchorage**

Project Title: Lakes Habitat - Survey

Grant Amount Requested: \$ 60,000

Election District:

Project Priority:

Population Served: 250,000

Project Description:

This project will survey and assess the quality of Anchorage area lakes, particularly lakes surrounded by residential zones to assess quantities and types of major pollutants and microorganisms present in them. Of particular study interest are environmental and health concerns associated with pesticides, bacteria, and the schistosome parasite which causes swimmers itch. The assessment information will be used to develop and pursue public information and education regarding use and disposal practices of household pollutants based on their presence in local waterbodies. Information will also be used to make decisions about the safety of recreational waters including swimming beaches. A data base will be developed tracking current and historic lake quality information.

Project Need:

This project is needed to address quality of lake habitats, waterbodies previously understudied in Anchorage area watershed systems. Human and environmental health and safety are the focus of this study because local lakes are primary locations where citizens participate in water recreation activities. This project meets the needs of the Municipal Department of Health and Human Service's ongoing swimming beach evaluations and concerns of public health.

COMMUNITY CONTACT

Name: Water Quality Specialist

Address: P.O. Box 196650
Anchorage 99519-6650

Phone Number: (907) 786-4433

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$17,000
Engineer/Inspect:	\$50,000
Construction:	\$10,000
Equipment:	\$3,000
Other:	\$20,000
Total:	\$100,000

Community: Anchorage

Project Title: Pet Owner Public Education

Grant Amount Requested: \$ 50,000

Election District:

Project Priority:

Population Served: 250,000

Project Description:

This project will educate the citizens of Anchorage about the harmful impacts on trails, wetlands, park lands, and other public areas, as well as on human health from increasing concentrations of domestic animal waste in Anchorage. High concentrations of pet waste can create unhealthy conditions in public areas. The number of animals located in Anchorage increases with human population and with increasing human population comes a need for cleaner, safer recreation areas.

Project Need:

This project is needed to educate the citizens of Anchorage about the impacts of increasing animal waste concentrations in Anchorage. Behavior of most animal owners need to be changed through demonstration and repeated messages. Citizens need to clean up after their pets in public parks and on trails to protect the environment and human health.

COMMUNITY CONTACT

Name: Water Quality Specialist

Address: P.O. Box 196650
Anchorage 99519-6650

Phone Number: (907) 786-4433

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$17,000
Engineer/Inspect:	
Construction:	
Equipment:	\$3,000
Other:	\$80,000
Total:	\$100,000

Community: **Anchorage**

Project Title: Road Impacts Study

Grant Amount Requested: \$ 60,000

Election District:

Project Priority:

Population Served: 250,000

Project Description:

The Municipality of Anchorage currently uses large quantities of magnesium chloride deicer in its winter road maintenance practices. Long term effects of this substance on waterways and wetlands are currently unknown. This project will study effects of this product on the environment to determine effects. Findings will be used to make recommendations to the Municipality of Anchorage Street Maintenance regarding current and proposed uses of this material.

Project Need:

The project is needed to determine whether current street deicing practices during winter months are degrading the environment. This information will be useful to make decisions about current and proposed uses of this product.

COMMUNITY CONTACT

Name: Water Quality Specialist

Address: P.O. Box 196650
Anchorage 99519-6650

Phone Number: (907) 786-4433

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration: \$504,313
Engineer/Inspect: \$10,086,250
Construction: \$39,840,689
Equipment:
Other: \$5,603,473
Total: \$56,034,725

Community: **Anchorage**

Project Title: Water and Wastewater Utility Projects

Grant Amount Requested: \$ 18,505,000

Election District:

Project Priority:

Population Served: 254,105

Project Description:

The Municipality's Capital Improvement Program (CIP) has identified projects based on established and proven criteria of public benefit and need. Replacement and Rehabilitation projects are existing main line facilities beyond effective repair and needing upgrade or total replacement, demonstrating a need for constant surveillance or maintenance responses, resulting in high operational costs and compromised dependability. The majority of these projects constitute replacing pipe installed between 30 to 50 years ago and are now subject to continued failures and disruption of service. Trunks & Interceptors and Transmission & Distribution projects consist of large diameter pipe extensions that have been determined necessary to assure continued reliable wastewater/water service to existing portions of the systems, as well as to allow for extension of public wastewater/water to areas in need.

Project Need:

The determination of funding priority in the CIP is based on the established and proven criteria of public benefit and need in order to: maintain reliable systems and therefore reliable service; maintain safe public health standards; mitigate costly repairs; provide an alternative for on-site and private community systems, which in some cases, are on the verge of failing; provide an alternative to small community system which may not be able to meet regulatory requirements or public need; provide an alternative, under some circumstances, to no development at all.

COMMUNITY CONTACT

Name: Manager - Engineering Division

Address: 3000 Arctic Boulevard Avenue
Anchorage 99503

Phone Number: (907) 786-5502

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$3,500
Engineer/Inspect:	\$108,000
Construction:	\$618,000
Equipment:	\$23,000
Other:	\$121,561
Total:	\$874,061

Community: Bristol Bay Borough

Project Title: King Salmon Sewer Project, Phase III B

Grant Amount Requested: \$ 611,843

Election District:

Project Priority: One

Population Served: 600+

Project Description:

Phase IIB of the King Salmon Sewer Project is a portion of Phase II .

The King Salmon Subdivision project is included in the overall Facilities plan that was completed in 1988. This is the plan that provided the criteria needed to phase the construction of the entire project.

King Salmon subdivision is located on the East Side of King Salmon Creek, north of the Peninsula Highway and contains approximately 36 lots, of which about half are developed with on-site septic systems in various operating conditions. All potable water for these properties is derived from on-site water wells.

Project Need:

The entire King Salmon Sewer project was designed to correct problems that directly affected the health and safety of the residents who live in those areas. The most serious health/safety issues were dealt with first, but this portion of the project is no less of a concern to those who live in the effected areas.

Documentation of the need for sewers in this area is on file with ADEC. In short, this area suffers from the same problems as other phased portions of the overall project, before the sewers were installed in those areas.

COMMUNITY CONTACT

Name: Borough Manager

Address: P.O. Box 189
Naknek 99633

Phone Number: (907) 246-4224

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	
Engineer/Inspect:	\$400,000
Construction:	\$2,000,000
Equipment:	
Other:	\$400,000
Total:	\$2,800,000

Community: **Cordova**

Project Title: Mile 17 Landfill Construction

Grant Amount Requested: \$ 1,960,000

Election District:

Project Priority: One

Population Served: 2,000

Project Description:

The project will help remedy basic public health and environmental sanitation problems from the on-going accumulation of solid waste. The project will provide long term sanitation and water quality improvements through the construction of an approved landfill. It will also provide immediate relief by assistance for construction of a temporary storage/staging area for the baled solid waste to be shipped out of town to an approved landfill in Washington. Shipping waste out of state is an expensive but necessary means to handle solid waste generated in the community until the landfill is constructed. The existing Whitshed landfill has run out of space for waste disposal and the landfill permit expires on October 31, 1998. The permit cannot be renewed by the State because of non-compliance issues focusing on the Whitshed landfill being poorly located in a coastal tideland area, discharges leachate directly to the marine environment and ADEC has ordered the City to close the landfill.

Project Need:

This project is critical to alleviate an immediate public health and safety hazard. The Whitshed landfill does not have space available for sanitary solid waste disposal. Adequate burial space and cover material is lacking, leaving the on-going, incoming waste exposed with no disposal area. This creates a threat to the environment by increased leachate and polluted run-off and a public health and safety hazard through contact with exposed waste and the generation of odors attracting disease vectors such as flies, rodents, and bears. The public will benefit from the project by having a known pollution threat closed when Whitshed is capped and the public will benefit from having an approved landfill opened with adequate space for proper solid waste disposal.

COMMUNITY CONTACT

Name: City Manager

Address: P.O. Box 1210
Cordova 99574

Phone Number: (907) 424-6200

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$45,000
Engineer/Inspect:	\$429,920
Construction:	\$3,241,385
Equipment:	\$258,500
Other:	\$825,195
Total:	\$4,800,000

Community: **Craig**

Project Title: Wastewater Collection Upgrade Completion

Grant Amount Requested: \$ 618,000

Election District:

Project Priority:

Population Served: 2,145

Project Description:

To complete the upgrade and extensions of the wastewater collection system recommended in the Wastewater Facilities Plan completed in 1994 by RW Beck and R&M Engineers. This work will include installation of the Salmonberry Subdivision extension and relocating the West Hamilton Pump Station while redirecting the flows across the Cemetery Island causeway to the new wastewater treatment plant and bypassing the overloaded West Craig collection system.

Project Need:

This work is the last of the work required by ADEC to correct the out-of-compliance wastewater treatment plant that has been overloaded since 1976 which has been demolished and replaced as recommended by the above mentioned facilities plan. All documentation is on file with ADEC.

COMMUNITY CONTACT

Name: City Administrator

Address: P.O. Box 725
Craig 99921

Phone Number: (907) 826-3275

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$70,000
Engineer/Inspect:	\$55,000
Construction:	\$1,968,650
Equipment:	\$380,000
Other:	\$50,000
Total:	\$2,523,650

Community: **Dillingham**

Project Title: Dillingham Landfill, Phase III

Grant Amount Requested: \$ 1,781,555

Election District:

Project Priority:

Population Served: 2,385

Project Description:

This project will construct Phase III of the new Dillingham Solid Waste Facility. Phase I and II were funded through the FY 99 ADEC Municipal Matching Grant program. Phase III includes the final design and construction of the new facility as well as closure of the existing facility.

Project Need:

The current landfill facility does not meet EPA/ADEC regulations. If the project is not completed, the existing facility will be filled to over capacity in 1999. This project will provide a new permitted solid waste facility that will meet the needs of the community for the next forty years.

COMMUNITY CONTACT

Name: City Manager

Address: P.O. Box 889
Dillingham 99576

Phone Number: (907) 842-5211

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$25,000
Engineer/Inspect:	\$128,130
Construction:	\$798,215
Equipment:	
Other:	
Total:	\$951,345

Community: Haines

Project Title: FAA Road Water Tank Project

Grant Amount Requested: \$ 608,000

Election District:

Project Priority: One

Population Served: 2,400

Project Description:

The project will address three Haines water utility needs: (1) Eliminate potential for infiltration contamination and on-going customer inconvenience by eliminating low or negative pressure events during filter backwash cycles; (2) Improve chlorine contact time; and (3) Increase the water system's storage capacity by 85%. This will improve fire storage capacity and allow the system to meet peak demands. The project will purchase and install a 400,000 gallon water storage tank and related piping, valves and controls. The project site is on Federal Aviation Administration property adjacent to the City's existing water system supply pipe. The project will include approximately 600 feet of inflow/outflow pipe to connect the tank to the existing water supply pipe.

Project Need:

Presently, there is no water storage tank near the City's water supply pipeline and treatment plant. When water leaves the treatment plant at the end of the FAA Road, it travels through 400 feet of 24-inch pipe and 4,700 feet of 8-inch pipe before entering an existing 320,000 gallon storage tank. During two daily filter backwash periods, the water main between the treatment plant and the existing water tank loses pressure. Utility customers served by this section experience low water pressure or no flow whatsoever.

COMMUNITY CONTACT

Name: City Administrator

Address: P.O. Box 1049
Haines 99827

Phone Number: (907) 776-2231

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$45,000
Engineer/Inspect:	\$25,000
Construction:	\$450,000
Equipment:	\$25,000
Other:	\$85,000
Total:	\$630,000

Community: **Homer**

Project Title: East Trunk/Beluga Lift Station Upgrade

Grant Amount Requested: \$ 441,000

Election District:

Project Priority:

Population Served: 4,400

Project Description:

Replace an overloaded sewer interceptor, main and lift station. The system transmits all sewage flows from the Homer Spit, Eastern Homer and Kachemak City.

Project Need:

The existing main is hydraulically overloaded. Severe deposition is occurring in the pipe invert. Excessive maintenance costs are one result. Very low dissolved oxygen is another result. The lift station floods during extreme high tides.

COMMUNITY CONTACT

Name: Public Works Director

Address: 491 E. Pioneer Avenue
Homer 99603

Phone Number: (907) 235-3170

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$175,000
Engineer/Inspect:	\$700,000
Construction:	\$2,100,000
Equipment:	
Other:	\$525,000
Total:	\$3,500,000

Community: Juneau

Project Title: Lena Point Reservoir/Andreanoff Way Water Distribution System

Grant Amount Requested: \$ 1,450,000

Election District:

Project Priority:

Population Served: 1,500

Project Description:

This project will construct a 1 million gallon reservoir and pump station in the Lena Point area which will provide the storage and pressure needed to meet fire flow demands in the Lena Loop and Tee Harbor areas. It will provide the pressure zone needed to provide water service to Andreanof Way, Randall Road, Cohen Drive and some of the uphill residences on Glacier Highway. These areas cannot be served by the existing pressure control systems, and other associated facilities. This project will also cover the construction of main and service lines for Andreanof Way.

Project Need:

The existing Tee Harbor System cannot provide adequate pressure and fire flow demands in the Lena Loop and Tee Harbor areas and the pressure zone needed for service to Andreanof Way, Randall Road, Cohen Drive and some of the uphill residences on Glacier Highway.

COMMUNITY CONTACT

Name: Public Works Administrative Officer

Address: 155 South Seward Street
Juneau 99801

Phone Number: (907) 780-6888

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$10,400
Engineer/Inspect:	\$41,600
Construction:	\$124,800
Equipment:	
Other:	\$31,200
Total:	\$208,000

Community: Juneau

Project Title: Mendenhall WWTP Influent Valve Replacement

Grant Amount Requested: \$ 160,000

Election District:

Project Priority:

Population Served: 18,500

Project Description:

This project involves the purchase and installation of new influent valves at the SBR basins. We have had problems with current valves. New valves will increase efficiency and eliminate recurring maintenance.

Project Need:

We have had continuing problems with valves at the Mendenhall Wastewater Treatment Plant SBR basins. New valves will eliminate recurring maintenance and increase efficiency.

COMMUNITY CONTACT

Name: Public Works Administrative Officer

Address: 155 South Seward Street
Juneau 99801

Phone Number: (907) 780-6888

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$195,000
Engineer/Inspect:	\$780,000
Construction:	\$2,340,000
Equipment:	
Other:	\$585,000
Total:	\$3,900,000

Community: **Juneau**

Project Title: Mendenhall WWTP Odor Control

Grant Amount Requested: \$ 3,000,000

Election District:

Project Priority:

Population Served: 2,000

Project Description:

This project includes the design, construction and installation of odor control equipment at the Mendenhall Wastewater Treatment Plant Facility. The proposed improvements will allow a reduction of odors released by the plant and a reduction in the number of complaints from people in the vicinity of the plant.

Project Need:

Each year the Public Works Department receives numerous odor complaints from people who live in the area of the Mendenhall Wastewater Treatment Plant Facility. The treatment plant is located in a residential neighborhood. Residents are demanding that the odor problems be eliminated or reduced.

COMMUNITY CONTACT

Name: Public Works Administrative Officer

Address: 155 South Seward Street
Juneau 99801

Phone Number: (907) 780-6888

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$46,000
Engineer/Inspect:	\$182,000
Construction:	\$546,000
Equipment:	
Other:	\$136,000
Total:	\$910,000

Community: **Juneau**

Project Title: Mendenhall WWTP Repairs

Grant Amount Requested: \$ 700,000

Election District:

Project Priority:

Population Served: 18,500

Project Description:

Repair or replace the deteriorated existing steel ABF building. This building is no longer used. The old building will be repaired and converted to usable space.

Project Need:

The old ABF building has not been used for several years. It is in a deteriorating state and needs repairs so that the space can be put to a safe and useful purpose.

COMMUNITY CONTACT

Name: Public Works Administrative Officer

Address: 155 South Seward Street
Juneau 99801

Phone Number: (907) 780-6888

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$39,000
Engineer/Inspect:	\$156,000
Construction:	\$468,000
Equipment:	
Other:	\$117,000
Total:	\$780,000

Community: **Juneau**

Project Title: Wastewater Utility SCADA System

Grant Amount Requested: \$ 600,000

Election District:

Project Priority:

Population Served: 28,000

Project Description:

The telemetry (SCADA) system will improve emergency response as well as operation and maintenance of the wastewater system.

Project Need:

As the Juneau wastewater system grows, the need for a telemetry (SCADA) system becomes more of a necessity. A telemetry system will permit staff to speedily identify problems with the wastewater collection system. The sooner a problem with the wastewater system can be identified, the sooner City operators will be able to fix the problem in order to minimize potential contamination and damage.

COMMUNITY CONTACT

Name: Public Works Administrative Officer

Address: 155 South Seward Street
Juneau 99801

Phone Number: (907) 780-6888

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$16,300
Engineer/Inspect:	\$65,000
Construction:	\$195,000
Equipment:	
Other:	\$48,700
Total:	\$325,000

Community: Juneau

Project Title: West Juneau Water Main Improvements

Grant Amount Requested: \$ 250,000

Election District:

Project Priority:

Population Served: 200+

Project Description:

This project will run a new water mainline from the upper section of West Juneau over to the Simpson Street area to improve water pressure and fire flow in that area.

Project Need:

Current water pressure to properties in this area is minimal. The new mainline will increase the water pressure to an acceptable level for both fire and household flows. Increased flows will also permit development in the area.

COMMUNITY CONTACT

Name: Public Works Administrative Officer

Address: 155 South Seward Street
Juneau 99801

Phone Number: (907) 730-6888

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$50,000
Engineer/Inspect:	\$300,000
Construction:	\$1,900,000
Equipment:	\$550,000
Other:	\$150,000
Total:	\$2,950,000

Community: Kake

Project Title: Phase IV - Alpine Lake Water Line Construction

Grant Amount Requested: \$2,000,000

Election District:

Project Priority: One

Population Served: 800

Project Description:

This project will construct a 10" diameter water line that extends from Alpine Lake to the existing water plant, a distance of 6 miles. The pipe line will accomplish the following:

a) eliminate impact of 20 new homes on the existing system, b) eliminate the drought situation that exists each summer, c) eliminate annual chemical costs that are \$40,000 annually, d) eliminate the chance of Kake citizens contracting "Beaver Fever" from the presence of numerous beaver dams in the water system, and e) eliminate municipal electrical costs of \$35,000 per year. The result of a gravity fed source of water will pay project moneys back within 30 years.

Project Need:

This project will eliminate the use of water coming from beaver dams. This will eliminate the necessity of closing down the local cold storage plant during peak productions due to water shortages. This project will reduce the cost of chemicals that are used to purify the water. This will eliminate taking water from a wildlife habitat, where all kinds of species use water source along the muskeg as well as eliminating water that flows through the existing logging area. This project will also allow the City to control water usage by the Forest Service, Sealaska and Kake Tribal Corporation.

COMMUNITY CONTACT

Name: Lonnie Anderson

Address: P.O. Box 500
Kake 99830

Phone Number: (907) 785-3804

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$5,000
Engineer/Inspect:	\$45,000
Construction:	\$300,000
Equipment:	
Other:	
Total:	\$350,000

Community: **Kenai**

Project Title: STP Shop and Crew Quarters

Grant Amount Requested: \$ 175,000

Election District:

Project Priority:

Population Served: 4,500

Project Description:

This project will build a small two-story addition tying into the existing Wastewater Treatment Plant. This would provide for a new shop area and crew quarters. It would provide for a lunchroom, training center, plans room, clothes changing and shower area. It would provide a cleaner and more sanitary area for the plant employees. The State of Alaska OSHA is in the process of including our Wastewater Treatment Plant in the "Safety and Health Achievement Recognition Program" (SHARP). Also ADEC, EPA and the Water Environment Federation have recognized the excellence of our plant. We plan on offering our plant as a statewide training facility for OSHA and ADEC training.

Project Need:

If this project is not done, the employees will have to continue using the area where digested sludge is pumped. They will continue to deal with the smell and possible contamination and dangers of the plant during breaks, lunch, and training. Because the present area is small, without this addition, the number of trainees would be drastically reduced.

COMMUNITY CONTACT

Name: Public Works Manager

Address: 210 Fidalgo, Suite 200
Kenai 99611-7794

Phone Number: (907) 283-7535

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$10,000
Engineer/Inspect:	\$350,000
Construction:	\$4,640,000
Equipment:	
Other:	
Total:	\$5,000,000

Community: Kenai

Project Title: Wastewater Treatment Plant Expansion

Grant Amount Requested: \$ 2,500,000

Election District:

Project Priority:

Population Served: 4,500

Project Description:

The Kenai Wastewater Treatment Plant is approaching its capacity in both design and permit criteria for requirements such as flow, BOD, and SS. This project would expand our plant and thus allow the city to continue to achieve the high level of wastewater treatment that is expected to meet the environmental needs. The planned expansion would raise the design flow capacity from 1.3 mgd to 2.0 mgd. It would include additions such as aeration basins, clarifiers, and sludge thickeners. It would also include upgrades to the existing structures and possibly a change in disinfection to UV.

Project Need:

If the Wastewater Treatment Plant is not expanded, it will exceed the design capacity resulting in lower treatment efficiency and violations to our permit requirements. It would then expose the public to wastewater pollution problems. The city has, on occasion, exceeded the design and permit flow requirements. If the plant is not expanded, the conditions could, over time, become severe enough that a pollution event could occur.

COMMUNITY CONTACT

Name: Public Works Manager

Address: 210 Fidalgo, Suite 200
Kenai 99611

Phone Number: (907) 283-7535

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	
Engineer/Inspect:	\$26,200
Construction:	\$104,800
Equipment:	
Other:	
Total:	\$131,000

Community: **Ketchikan**

Project Title: Sewer I&I

Grant Amount Requested: \$ 65,500

Election District:

Project Priority:

Population Served: 8,000

Project Description:

Phase 2 of this project will upgrade the sewer mains impacted by the State DOT Third Avenue Extension Project. It will replace the existing sewer lines under the new road and also place crossroad casings at selected locations for future sewer crossing to serve current undeveloped adjacent property. This will eliminate the need to dig up new pavement.

Project Need:

If this project isn't done concurrent with the State DOT project, it will mean that construction must be done at a later date in a just completed State roadway.

COMMUNITY CONTACT

Name: City Manager

Address: 334 Front Street
Ketchikan 99901

Phone Number: (907) 228-5676

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$240,000
Engineer/Inspect:	\$820,000
Construction:	\$5,000,000
Equipment:	\$500,000
Other:	
Total:	\$6,560,000

Community: Ketchikan

Project Title: Tongass Avenue Water Main Replacement

Grant Amount Requested: \$ \$325,000

Election District:

Project Priority:

Population Served: 8,250

Project Description:

This is a multi-year project which will extend the municipal water system beyond the existing city limits out to the northern end of Shoreline Drive. A condition before water service is extended will be incorporation of these properties into the city limits. In able to provide adequate fire protection and a reliable supply to Shoreline Drive requires the replacement of undersized 10, 8 and 6-inch cast-iron piping presently installed in Tongass Avenue. New ductile-iron pipelines would be sized for future growth and extend from the Madison Street intersection out to the present City limits. Work in 1999 would consist of letting a contract for design and possibly a construction contract in the fall. Proposed funding for this project would be from Borough funds with the remainder from the State's Matching grant program.

Project Need:

At the present time, there is only one route for disinfected water to travel from our contact time reservoir and serve the western end of Ketchikan; along Tongass Avenue. Even with the alternate routing provided by the proposed Third Avenue extension, it only extends to the Tongass/Third intersection. Beyond that point, there is still no alternate route for water to the northwest. This flow of water cannot be interrupted for more than a few hours without curtailing the only water supply to many critical services in the community: hospital, airport and municipal wastewater plant.

COMMUNITY CONTACT

Name: Ketchikan Public Utilities

Address: 2930 Tongass Avenue
Ketchikan 99901

Phone Number: (907) 225-100

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	
Engineer/Inspect:	\$8,500
Construction:	\$36,500
Equipment:	
Other:	\$235,000
Total:	\$280,000

Community: **Ketchikan**

Project Title: Wastewater Collection Analysis

Grant Amount Requested: \$ 140,000

Election District:

Project Priority:

Population Served: 8,000

Project Description:

Part 1 of this project consists of an infiltration and inflow (I&I) study which will include smoke testing, television inspection, and analysis of our existing collection system. Severe I&I exists in the collection system as evidenced by the tremendous flows entering the treatment plant during storms and/or high tides. The normal daily flow is under 2 million gallons per day, flows during heavy rain storms can exceed 10 million. This results in extra pumping and treatment costs and tremendous wear and tear on the equipment. This can only be reduced by decreasing I&I. Information received from this study will allow the City to do a priority listing of the many needed repair projects and give recommendations as to the best methods of repairing or replacing deteriorated sewer lines. Included in this project is the replacement of a section of Fairy Chasm sewer main, which has been identified as a major I&I contributor.

Project Need:

Despite intense efforts by our crews to control the infiltration and inflow problems, in August of 1998, intense rainfall flooded the treatment plant and water flowed out the top of manholes in several locations. This happened several times in the last year. The I&I study will pinpoint the most severe problem areas and allow the City to get the best results with their wastewater dollars.

COMMUNITY CONTACT

Name: City Manager

Address: 334 Front Street
Ketchikan 99901

Phone Number: (907) 228-5676

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$15,000
Engineer/Inspect:	\$44,000
Construction:	\$350,000
Equipment:	\$41,000
Other:	
Total:	\$450,000

Community: **Ketchikan**

Project Title: Water Disinfection Facility Improvements

Grant Amount Requested: \$ 225,000

Election District:

Project Priority:

Population Served: 8,250

Project Description:

KPU currently owns and operates a disinfection facility that provides potable drinking water to the community. Chlorine gas is used as the disinfectant and at least two 1-ton chlorine cylinders, source of chlorine gas, are located on-site at all times. For reasons of both community safety and to comply with Federal environmental laws, KPU has decided to change its method of chlorine disinfection to an on-site system which generates a weak solution of sodium hypochlorite (bleach). An engineering feasibility study for this project was completed July 1998. The City Council has reviewed this study and authorized a RFF for the final design of this facility. The construction plans and specifications should be ready for review/approval by ADEC February, 1999. Proposed funding for this project will be combination of KPU's appropriated reserves and the State 50% Matching Grant Program.

Project Need:

Although chlorine gas is a corrosive, toxic chemical and an oxidant, it is also a proven disinfectant. In recent years, however, safety and environmental concerns have led to the passage of federal laws to eliminate or mitigate the damage to life and the environment that can result from an accidental release of chlorine gas. Compounding the potential seriousness that a large chlorine gas leak could cause is KPU's disinfection facility located in close proximity to two schools and adjacent City Park, community's multiple-use ball field and recreation center.

COMMUNITY CONTACT

Name: Ketchikan Public Utilities

Address: 2930 Tongass Avenue
Ketchikan 99901

Phone Number: (907) 225-100

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$60,000
Engineer/Inspect:	\$1,180,000
Construction:	\$7,080,000
Equipment:	
Other:	\$180,000
Total:	\$8,500,000

Community: **King Cove**

Project Title: Delta Creek Water Supply Project

Grant Amount Requested: \$ 600,000

Election District:

Project Priority: One

Population Served: 800

Project Description:

This project will provide a groundwater source for the City. The City currently uses an unfiltered surface source and is operating under a Compliance by Consent Order from the State to abandon this current water source by early summer 1999. The project will include the construction of the following components: a well field consisting of 7 wells; approximately 29,000 l.f. of 14" water lines, approximately 4,800 l.f. of 12" water lines for a dual use/emergency use; a 1.0 million gallon storage tank; water treatment and pumping buildings with a 10,000 gallon storage tank; 10 pressure reducing valves and air release vaults; access roads; and installation of water treatment equipment and system power controls.

Project Need:

First, the existing surface water source is non-compliant with the Federal Surface Water Treatment Rule. Consequently, the City is operating under a Compliance by Consent Order that mandates abandonment of this source within 18 months. Second, the current system cannot consistently produce enough water for the City's industrial and residential needs.

COMMUNITY CONTACT

Name: City Manager

Address: 1600 A Suite #103
Anchorage 99501

Phone Number: (907) 274-7555

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	
Engineer/Inspect:	\$132,140
Construction:	\$660,698
Equipment:	\$1,615,376
Other:	\$198,210
Total:	\$2,606,424

Community: **Klawock**

Project Title: Solid Waste Facility/Landfill

Grant Amount Requested: \$ 2,250,000

Election District:

Project Priority: Two

Population Served: 4,000+

Project Description:

Completion of this project will provide solid waste disposal facilities for the area for the next 100 years. Most solid waste is now disposed of in an unpermitted landfill area. The project will include a thermal oxidation unit, tipping floor, metal building, hazardous waste handling area, auto stabilizing area, offices, scales, recycling facilities and landfill cell construction and drainage, and equipment to properly operate the facilities in accord with the preferred alternative from the recently completed Solid Waste Management Study.

Project Need:

Approximately 3,000 people have been using a landfill which has not been properly operated and has no DEC permit. There are problems with windblown litter and with leachates passing into the surface water. This project (with subsequent construction phase(s)) will provide a landfill with demolition/construction debris and ash only, making an inert refuse landfill without putrescibles, and minimal environmental impact.

COMMUNITY CONTACT

Name: Mayor

Address: P.O. Box 469
Klawock 99925

Phone Number: (907) 755-2261

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:
Engineer/Inspect: \$132,140
Construction:
Equipment:
Other:
Total: \$132,140

Community: **Klawock**
Project Title: Solid Waste Incinerator Design

Grant Amount Requested: \$ 135,000
Election District:
Project Priority: Two
Population Served: 4,000

Project Description:

This project will complete the planning stage of solid waste disposal and bring the City to readiness for construction. This is the next step toward having a fully compliant, permitted landfill for southern Prince of Wales Island. By the completion of this phase, we will have complete plans and cost estimates for construction. Once we have complete facility plans we will be ready to bid construction of a new thermal oxidizer, tipping floor, recycling setup with recycling baler, and hazardous waste sorting and storage facility. It is projected that the new facility will accommodate the solid waste disposal needs of the area for over 100 years.

Project Need:

Approximately 3,000 people have been using a landfill which has not been properly operated and has no DEC permit. There are problems with windblown litter and with leachates passing into the surface water. This project (with subsequent construction phase(s)) will provide a landfill with demolition/construction debris and ash only, making an inert refuse landfill without putrescibles, and minimal environmental impact.

COMMUNITY CONTACT

Name: Mayor

Address: P.O. Box 469
Klawock 99925

Phone Number: (907) 755-2261

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	
Engineer/Inspect:	\$25,340
Construction:	\$316,750
Equipment:	
Other:	\$85,523
Total:	\$427,613

Community: **Klawock**

Project Title: Utility Service Extensions

Grant Amount Requested: \$ 365,000

Election District:

Project Priority:

Population Served: 750

Project Description:

This project will bring water and sewer services to the core commercial area of the City. It will upgrade service to some lots and provide first service to others. It will allow our limited commercial service area to expand to meet the needs of economic development. There are presently five businesses waiting for utilities for establishment/development. This will be accomplished by installing primary water and sewer lines along one of our primary streets.

Project Need:

Much of our otherwise most desirable commercial area is now unserved by basic utilities. This area lies along our most heavily traveled roadway. We have had very limited economic development in the past because of limited utility service. Failure to address this need will place severe limits on our economic development.

COMMUNITY CONTACT

Name: Mayor

Address: P.O. Box 469
Klawock 99925

Phone Number: (907) 755-2261

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$30,000
Engineer/Inspect:	\$225,000
Construction:	\$1,245,000
Equipment:	
Other:	
Total:	\$1,500,000

Community: **Kodiak**

Project Title: Gibson Cove Sewer Line Extension

Grant Amount Requested: \$ 750,000

Election District:

Project Priority:

Population Served: 9,047

Project Description:

This project will extend sewer service to the Gibson Cove area of the City of Kodiak. This location currently houses a fish processing plant, a fish waste reduction plant, a federal fisheries enforcement facility (NOAA) and a community campground.

Project Need:

Currently the fish processing plant, which employs 250 people, and the fish waste reduction plant, which employs 15 people, are operating individual sewage treatment plants with ocean outfalls. The fisheries enforcement (NOAA) facility also has an individual sewage treatment plant which is currently non-operational. That facility is currently collecting sewage in a holding tank and transporting it by truck to the City's system. The campground, which has a summertime capacity in excess of 100 people, uses a septic tank and leach field system for sewage disposal.

COMMUNITY CONTACT

Name: Public Works Director

Address: 2410 Mill Bay Road
Kodiak 99615

Phone Number: (907) 486-8060

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:
Engineer/Inspect: \$372,500
Construction:
Equipment:
Other:
Total: \$372,500

Community: Kodiak

Project Title: Monashka Bay W&S Design, Phase II

Grant Amount Requested: \$ 186,250

Election District:

Project Priority:

Population Served:

Project Description:

The project will provide funds for the design of Phase 2 of an expansion of the City's water and sewer utility systems into the Monashka Bay area. A grant for Phase I of this project was authorized last year. This area is currently served by well and septic systems. A number of problems with these systems have been reported. In addition to the residential areas to be served by this project, services will ultimately be extended to the Kodiak Island Solid Waste Disposal Site. There is currently no facilities available to the solid waste disposal site to allow the transport of leachate or runoff to the wastewater treatment plant.

Project Need:

In the area to be served by these improvements, residents presently use individual wells for water supply and on-site septic systems for wastewater disposal. In a survey conducted by the Kodiak Island Borough and HDR Engineering in the summer of 1990, 25 out of 32 respondents reported quality of quantity problems with wells and 9 out of 32 respondents reported significant problems with septic tanks. In addition to the problems associated with residential properties in this area, the problem of what to do with the leachate water from the Kodiak Island Solid Waste Disposal site, which is not currently being collected, has been identified by ADEC and the Kodiak Island Borough.

COMMUNITY CONTACT

Name: Public Works Director

Address: 2410 Mill Bay Road
Kodiak 99615

Phone Number: (907) 486-8060

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$18,000
Engineer/Inspect:	\$90,000
Construction:	\$792,000
Equipment:	
Other:	
Total:	\$900,000

Community: **Kodiak**

Project Title: Sharatine Road Utilities

Grant Amount Requested: \$ 450,000

Election District:

Project Priority:

Population Served: 9,047

Project Description:

This project will complete the installation of water and sewer utilities in the Sharatine Road area. This project was started utilizing state grant funds and will be completed with this grant.

Project Need:

The area served by this project does not have public utilities. It is an area surrounded by development which is currently served by public utilities. Completion of this project will result in a more appropriately looped utility system which will result in improved potable water quality for system users.

COMMUNITY CONTACT

Name: Public Works Director

Address: 2410 Mill Bay Road
Kodiak 99615

Phone Number: (907) 486-8060

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$40,000
Engineer/Inspect:	\$300,000
Construction:	\$1,660,000
Equipment:	
Other:	
Total:	\$2,000,000

Community: Kodiak

Project Title: Spruce Cape Water and Sewer Replacement

Grant Amount Requested: \$ 1,000,000

Election District:

Project Priority:

Population Served: 9,047

Project Description:

This project will replace approximately 5,100 feet of under capacity gravity sewer line along Spruce Cape Road. It will also replace approximately the same amount of asbestos cement water mains in the same area.

Project Need:

The water and sewer systems in the Spruce Cape area are aging and in need of replacement. Size of the lines has also become an issue with continued growth in the area. A study performed by VEI Consultants, Inc., for the Kodiak Island Borough has identified the sewer main as having insufficient capacity to handle planned development in the area. The existing asbestos cement water main has been subject to several breaks and leaks in recent years.

COMMUNITY CONTACT

Name: Public Works Director

Address: 2410 Mill Bay Road
Kodiak 99615

Phone Number: (907) 486-8060

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:
Engineer/Inspect:
Construction: \$825,000
Equipment:
Other:

Total: \$825,000

Community: **Matanuska-Susitna**

Project Title: Hatcher Pass Water and Sewer Project

Grant Amount Requested: \$ 825,000

Election District:

Project Priority:

Population Served:

Project Description:

This project consists of the design and construction of a water and sewer system in the Hatcher Pass area, which is located just north of Palmer. The water and sewer system is a vital component of the proposed Hatcher Pass Ski area, one of the Borough's highest economic development projects. The proposed ski area project is scheduled for construction for summer/fall 1999.

Project Need:

This project is needed to provide water to and control effluent from the ski area development. Presently there is no water and sewer system in the area. Without this project, an important economic development effort will not occur causing the loss of some 120 jobs. In addition, as the ski area is in an environmentally sensitive area, a water and sewer system is vital to prevent pollution of one of Alaska's specially designated recreational rivers, the Little Susitna River.

COMMUNITY CONTACT

Name: Borough Manager

Address: 350 E. Dahlia Avenue
Palmer 99645

Phone Number: (907) 745-9689

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$10,000
Engineer/Inspect:	\$92,000
Construction:	
Equipment:	
Other:	
Total:	\$102,000

Community: **Matanuska-Susitna Borough**

Project Title: Talkeetna Water & Sewer System Analysis

Grant Amount Requested: \$ 51,000

Election District:

Project Priority:

Population Served: 300

Project Description:

Both water and wastewater systems have problems with varying degrees of severity. Some of the problems are the result of key components not properly addressed during design and construction of these systems. There is a potential for catastrophic system failure. The G Street lift station which serves the entire town experiences frequent failures due to overloading caused by excessive infiltration/inflow.

Project Need:

This project is needed to provide a design study to determine the source(s) of infiltration/inflow problems in the sewer collection system, improve peak flow and fire demand of the existing water system. This project will provide a rate study to identify and prepare an operating budget for the Talkeetna Water and Wastewater Utility. The results of this study will allow the Matanuska-Susitna Borough to design recommended improvements to correct existing problems in the Talkeetna water and sewer system.

COMMUNITY CONTACT

Name: Director of Public Works

Address: 350 East Dahlia Avenue
Palmer 99645-6488

Phone Number: (907) 745-9831

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$200,000
Engineer/Inspect:	\$180,000
Construction:	\$1,200,000
Equipment:	\$850,000
Other:	\$120,000
Total:	\$2,550,000

Community: **Nenana**

Project Title: Water and Sewer Extension Phase I

Grant Amount Requested: \$ 950,000

Election District:

Project Priority: One

Population Served: 98

Project Description:

This project will provide water to thirty-six homes and sewer to fourteen houses and provide water to the water front for better fire protection around the city with twenty one fire hydrants.

Project Need:

This project will tie in the last fourteen houses to the sewer system and that will stop the possible pollution of the City's water well and the water part of this project will give quality water to home owners and provide twenty one hydrants to the system for more adequate fire protection.

COMMUNITY CONTACT

Name: Mayor

Address: P.O. Box 00070
Nenana 99760

Phone Number: (907) 832-5441

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$200,000
Engineer/Inspect:	\$526,000
Construction:	\$3,143,000
Equipment:	
Other:	\$315,000
Total:	\$4,184,000

Community: **Nome/NJUS**

Project Title: Utilidor Replacement, Phase IV

Grant Amount Requested: \$ 1,850,000

Election District:

Project Priority: One

Population Served: 4,184

Project Description:

Continuation of project to replace flaking wooden and aluminum walk-through utilidors with direct bury arctic pipe. The utilidor contains wood stave, sewer, sewer mains, and uninsulated spiral welded steel waterlines both of which are antiquated and leaking. The utilidors were installed over 25 years ago and are rotting and/or bucking causing the utilidors to shift and collapse. Utilidor replacement causes sewer pipes to pull apart sometimes flooding the utilidors and submerging active water mains and service lines with raw sewage. Storm water also floods the utilidors causing similar health hazards and making reaches of the utilidor impassable. Collapse causes damage to roads and hazard to pedestrians and motorists.

Project Need:

The existing utilidor are a health hazard to utility workers, utility customers and motorists. There is a real possibility that serious injury or death could occur at any time as the result of on-going utilidor failure. Replacement of the downtown utilidor is long overdue and will eliminate a very dangerous condition, to the benefit of the entire community.

COMMUNITY CONTACT

Name: Utility Manager

Address: P.O. Box 70
Nome 99762

Phone Number: (907) 443-5288

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$50,000
Engineer/Inspect:	\$153,300
Construction:	\$443,700
Equipment:	\$195,000
Other:	\$180,000
Total:	\$1,022,000

Community: **Nome/NJUS**

Project Title: Water and Sewer System Expansion

Grant Amount Requested: \$ 100,000

Election District:

Project Priority: Two

Population Served:

Project Description:

This project will provide home owners located adjacent to or surrounded by the existing Nome water distribution and sewage collection system access to piped water and sewer utilities. Several city blocks in Nome have not been served by any of the previous water and sewer project and have seen increased development over the past years. Currently, over twenty homes are located within the proposed project area. This project will add approximately 2,900 linear feet of new water and sewer main to the existing utility system capable of serving 70 city lots.

Project Need:

Most homeowners in the project area currently have inadequate sanitation facilities. Many haul their own water or have water delivered to them. Honey buckets, sewage holding tanks and septic tanks are very common. Several property owners have resorted to installing very long (200+feet) service lines illegally crossing other people's private property just to connect to water and sewer mains. Without this project, homeowners will continue to live without proper sanitation facilities.

COMMUNITY CONTACT

Name: Utility Manager

Address: P.O. Box 70
Nome 99762

Phone Number: (907) 443-5288

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$35,000
Engineer/Inspect:	\$145,000
Construction:	\$115,000
Equipment:	\$55,000
Other:	\$25,000
Total:	\$375,000

Community: **Nome/NJUS**

Project Title: Water & Sewage System Improvement

Grant Amount Requested: \$ 262,500

Election District:

Project Priority:

Population Served: 4,184

Project Description:

In the early 1980's Nome Joint Utility System (NJUS) completed a water system performance model. Since that time, construction of several major system expansions, improvement projects and heavy community growth have completely changed the systems characteristics. The water system is a forced circulation distribution piping network. Water flow (minimum 2 feet per second) is essential for freeze protection. This project will develop a computer model of the existing distribution system, simulate all possible flow conditions to identify problem flow areas, install circulator pump(s) (if required) and install approximately eight telemetry stations to monitor actual system performance.

Project Need:

Freezing of any portion of the distribution system due to inadequate water flow rates could cause a catastrophic system failure. All of the frozen pipes would require thawing and possible replacement. A large portion of the water distribution system is spiral welded steel that would be destroyed by freezing water. This projects water system model and telemetry monitoring would be used to locate water leaks and eliminate potential problems.

COMMUNITY CONTACT

Name: Utility Manager

Address: P.O. Box 70
Nome 99762

Phone Number: (907) 443-5288

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$30,071
Engineer/Inspect:	\$1,278,322
Construction:	\$6,391,607
Equipment:	
Other:	
Total:	\$7,700,000

Community: North Pole

Project Title: Baker/North Star Water and Sewer

Grant Amount Requested: \$ 5,390,000

Election District:

Project Priority:

Population Served: 350

Project Description:

This project will provide municipal water and sewer service to Baker and North Star Subdivisions within the City. These two southernmost residential subdivisions within the City's boundaries are almost totally developed with single family dwellings. These homes rely on individual shallow wells for potable water and on-site soil absorption waste disposal systems.

Project Need:

Typical of the North Pole area, a shallow, active aquifer poses difficulties for the currently used on-site soil absorption wastewater disposal systems to function properly. Due to the density of development in the project area, a potential for contamination of the numerous shallow potable water wells does exist.

COMMUNITY CONTACT

Name: City Engineer/Planner

Address: 125 Snowman Lane
North Pole 99705

Phone Number: (907) 488-2881

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$160,633
Engineer/Inspect:	\$208,823
Construction:	\$1,606,328
Equipment:	
Other:	
Total:	\$1,975,784

Community: North Pole

Project Title: Highway Park Water Distribution

Grant Amount Requested: \$ 1,383,049

Election District:

Project Priority:

Population Served: 500

Project Description:

This project will extend the City of North Pole's water distribution system into the Highway Park Subdivision. The project will construct the necessary main piping, pump stations and other appurtenances in order to provide safe potable water as well as fire protection to the residents of the subdivision.

Project Need:

Highway Park Subdivision is a fully developed subdivision with approximately 100 residences. Existing residences have individual shallow wells for potable water supply. In 1997, through an ADEC Municipal Matching Grant, sewer service was installed. This project will provide safe potable water and improved fire protection to the area.

COMMUNITY CONTACT

Name: City Engineer/Planner

Address: 125 Snowman Lane
North Pole 99705

Phone Number: (907) 488-2881

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$34,600
Engineer/Inspect:	\$31,600
Construction:	\$314,000
Equipment:	
Other:	
Total:	\$380,200

Community: North Pole

Project Title: North Pole Sewer Rehabilitation

Grant Amount Requested: \$ 266,000

Election District:

Project Priority:

Population Served: 1,671

Project Description:

This project will rehabilitate approximately 1,800 L.F. of aging sewer piping. This 14" diameter reinforced plastic mortar pipe (RPMP) was installed in 1972 and is a major "trunk" line for the City's sewer collection system. The City recently had this line video inspected. The results of this inspection show the severe nature of the pipe deterioration and the immediate need for rehabilitation. Due to the physical location and depth of the piping, it appears that the most viable method of rehabilitation would be "slip-lining" this pipe.

Project Need:

As discussed, the results of the video inspection revealed areas of substantial pipe deterioration with significant inflow and infiltration (I&I) of groundwater into the sewer system. This I&I not only causes increased wastewater treatment costs, but the accumulation of sands and gravels within the piping dramatically reduces the hydraulic capacity of the system.

COMMUNITY CONTACT

Name: City Engineer/Planner

Address: 125 Snowman Lane
North Pole 99705

Phone Number: (907) 488-2881

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	
Engineer/Inspect:	\$80,000
Construction:	
Equipment:	
Other:	
Total:	\$80,000

Community: North Pole

Project Title: Water & Sewer System Analysis

Grant Amount Requested: \$ 42,000

Election District:

Project Priority:

Population Served: 1,671

Project Description:

This project will consist of an in-depth study of the North Pole water and sewer utility system. The purpose of the study includes the following: inventory and inspection of the condition of the existing system; analysis and recommendations for revisions to the City's water and sewer utility ordinances (including a user rate analysis); develop long and short term plans for future expansion of the system; and development and implementation of a Geographical Information System (GIS) mapping program for the utility system.

Project Need:

This project will benefit the public in a number of ways. The results and recommendations of the analysis will enable the North Pole Utilities to continue to provide safe and effective water supply and wastewater treatment to the residents of North Pole. This analysis will also ensure for the present and future economic viability of the municipality owned system.

COMMUNITY CONTACT

Name: City Engineer/Planner

Address: 125 Snowman Lane
North Pole 99705

Phone Number: (907) 488-2881

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$30,000
Engineer/Inspect:	\$50,000
Construction:	\$510,000
Equipment:	\$50,000
Other:	\$10,000
Total:	\$650,000

Community: **Palmer**

Project Title: Palmer Sewer Refurbish

Grant Amount Requested: \$455,000

Election District:

Project Priority: One

Population Served:

Project Description:

This project will see the interior of 6,600 lineal feet of 8" and 10" sewer main relined. The new liner will enhance flow an estimated 30% and will structurally replace the aging concrete. The reline process will prevent the hazards and damage caused by excavating through city streets and easements.

Project Need:

Some of the sewer main which will be relined has begun failing structurally and has caused some minor release of sewage contaminants to the environment. It is anticipated that if corrective action is not taken, substantial releases and interruption of services will occur.

COMMUNITY CONTACT

Name: City Manager

Address: 231 W. Evergreen Avenue
Palmer 99645-6952

Phone Number: (907) 745-3271

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$5,000
Engineer/Inspect:	\$100,000
Construction:	
Equipment:	\$5,000
Other:	\$4,000
Total:	\$114,000

Community: Palmer

Project Title: Storm Water and Pollution Prevention Plan

Grant Amount Requested: \$ 79,800

Election District:

Project Priority: Three

Population Served: 4,300

Project Description:

This project is to study and provide an engineered storm water system and to provide a Pollution Prevention Plan for the storm drain system.

Project Need:

Currently, some of the subdivisions have been constructed with storm drain systems that dump to adjacent lands. As more subdivisions are being developed, the City needs to accommodate the runoff to prevent accumulation of stagnant waters. The Pollution Prevention Plan will prevent pollutants from entering waterways from our storm drain system inadvertently.

COMMUNITY CONTACT

Name: City Manager

Address: 231 W. Evergreen Avenue
Palmer 99645-6952

Phone Number: (907) 745-3271

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$30,000
Engineer/Inspect:	\$50,000
Construction:	\$600,000
Equipment:	\$525,000
Other:	\$165,000
Total:	\$1,370,000

Community: Palmer

Project Title: Water System Upgrade, Phase I

Grant Amount Requested: \$ 959,000

Election District:

Project Priority: Two

Population Served:

Project Description:

This project is Phase I of a three phased project.

Phase I includes: (a) New water main tie, Industrial Park to MTA, which will begin to complete a loop which can provide a redundant supply route for the City; (b) New water well to add to existing supply; (c) New treatment facility and well connecting supply line to attach the new well, after treatment, to the existing system; and (d) Repair and recoat an existing 1 million gallon water reservoir.

Phase II (approximately 1.6 million) will consist of construction of a new water reservoir ensuring adequate capacity in case of power, mechanical or contamination failure.

Phase III (approximately 1.4 million) will consist of refurbishing, replacing and expansion of below ground mains for current and new customer connections.

Project Need:

- A. Currently, the city lacks adequate alternate methods of water supply for contingency in case of contamination, mechanical failure, or source of water during outages for maintenance.
- B. Growth rate and anticipated annexation will increase demand on the current water supply.
- C. Current one million gallon reservoir has been inspected and found to be in need of repair and recoating.

COMMUNITY CONTACT

Name: City Manager

Address: 231 W. Evergreen Avenue
Palmer 99645-6952

Phone Number: (907) 745-3271

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$5,000
Engineer/Inspect:	\$10,000
Construction:	\$68,933
Equipment:	
Other:	\$12,500
Total:	\$96,433

Community: **Petersburg**

Project Title: Landfill Closure

Grant Amount Requested: \$ 67,503

Election District:

Project Priority:

Population Served: 3,500

Project Description:

In April of 1998, the City began shipping baled solid waste to the Roosevelt Regional Landfill in Klickitat County, Washington. With this change in operations, the City is ready to close out its Class II landfill and begin operating as a Class III Municipal Landfill. This project will close the landfill according to ADEC Standards/Regulations.

Project Need:

This project will eliminate any possibility of vector attraction and potential leachate.

COMMUNITY CONTACT

Name: Public Works Director

Address: P.O. Box 329
Petersburg 99833

Phone Number: (907) 7272-4430

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$52,500
Engineer/Inspect:	\$144,375
Construction:	\$921,995
Equipment:	
Other:	\$179,697
Total:	\$1,298,567

Community: **Petersburg**

Project Title: North Second Street Reconstruction Project

Grant Amount Requested: \$ 908,997

Election District:

Project Priority:

Population Served: 3,500

Project Description:

This project consists of installing approximately 1,000 linear feet of new water transmission mains and replacement of approximately 750 linear feet of water and sewer mains. Approximately 1,750 linear feet of new storm sewer will be constructed. In general the existing water and sewer utilities are a mixture of different types and sizes of materials and in poor condition. There is water infiltration within the existing sewer system and the water system is undersized for future development and fire protection.

Project Need:

The project will assist the City reduce infiltration and inflow in the wastewater collection system. The water system will be looped to provide more adequate flows and pressure to the area. A storm sewer will be extended into the area to remove water.

COMMUNITY CONTACT

Name: Public Works Director

Address: P.O. Box 329
Petersburg 99833

Phone Number: (907) 772-4430

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$60,000
Engineer/Inspect:	\$225,000
Construction:	\$1,900,000
Equipment:	\$25,000
Other:	\$250,000
Total:	\$2,460,000

Community: **Petersburg**

Project Title: Scow Bay Water, Phase II

Grant Amount Requested: \$ 1,722,000

Election District:

Project Priority: One

Population Served: 3,500

Project Description:

Phase II of this project constructs an access road and 18" HDPE transmission main between the new two million gallon storage tanks, constructed in Phase I, and the top of Mill Road in Scow Bay.

Project Need:

Water samples taken from individual water supplies in the Scow Bay area indicate that the water quality is below those standards set for potable use. Bacteria concentrations indicate an acute health threat and inorganic contaminants show a chronic health threat.

COMMUNITY CONTACT

Name: Public Works Director

Address: P.O. Box 329
Petersburg 99833

Phone Number: (907) 772-4430

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$127,920
Engineer/Inspect:	\$50,000
Construction:	\$177,920
Equipment:	\$889,600
Other:	
Total:	\$1,245,440

Community: **Sand Point**

Project Title: Sanitary Landfill, Phase III

Grant Amount Requested: \$ 1,058,624

Election District:

Project Priority: One

Population Served: 1,300

Project Description:

For more than a decade, the City has been searching for a viable alternative to the current landfill. Recent events have occurred that now allow the City to design and construct a new, state-of-the-art landfill. Phase I: approval from BIA to construct a 3+ mile road to the preferred landfill site. Cooperative working relationships between the federal, state and local governments have been excellent. Even more encouraging has been the positive "can do" attitude of local native organizations. Construction on the new road is scheduled to begin 10/98. Phase II: receive DEC funding to begin the design of the new landfill. Phase III: begin construction of the landfill. A request to DEC for funding along with local funds and a loan from the Alaska Clean Water Fund should allow us the opportunity to actually begin construction in the fall of 1999. Phase IV funding will be requested in FY01 to complete construction and close the current dump.

Project Need:

This project is vital in order to remove certain environmental, health and safety concerns from the community. Environmental: city currently uses an unpermitted open dump to dispose of all solid waste.

Health: facility is located on the main highway from the airport and in close proximity to the community drinking water supply.

Safety: site is located within 1 mile of the city airport and the constant attraction of birds to the facility causes great concern for the safety of air traffic to/from the community.

COMMUNITY CONTACT

Name: City Administrator

Address: 1600 A Street, Suite #103
Anchorage 99501-5146

Phone Number: (907) 274-7561

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$2,500
Engineer/Inspect:	\$25,000
Construction:	
Equipment:	
Other:	
Total:	\$27,500

Community: Seward

Project Title: Water Distribution System Analysis

Grant Amount Requested: \$ 24,750

Election District:

Project Priority:

Population Served: 3,000

Project Description:

Seward's well system provides up to 3.5 million gallons per day. The estimated usage per person is between 600-800 gallons per day, per person. This is one of the highest rates in Alaska. The public works section strongly believes that leaks in the system are a significant cause of the high usage rate in the City. This project will identify the leaks in the system and begin the repair process that is a part of a larger Water System Infrastructure Development Project. This will focus the efforts of the City to eliminate inefficiencies in the system through structural repairs.

Project Need:

Due to an increased demand on the water system, believed to be due at least in part to leaks within the system, the City has incurred a number of costs and potential risks. The City has had to install larger pumping systems, is planning on drilling a new well, and needs additional water pressure and supply to increase its ISO rating. All of these factors are contingent on an efficient, structurally sound water system. Failure to find these leaks and to repair them constitutes the need to spend more on the operation and maintenance of the existing system, perpetrates a fire risk, and may be a significant contributor to the need for the city to bid the installation of a new well.

COMMUNITY CONTACT

Name: Manager

Address: P.O. Box 167
Seward 99664

Phone Number: (907) 224-4071

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	
Engineer/Inspect:	\$120,000
Construction:	
Equipment:	
Other:	
Total:	\$120,000

Community: **Sitka**

Project Title: Sewer Feability Study

Grant Amount Requested: \$ 60,000

Election District:

Project Priority:

Population Served:

Project Description:

Provide a feasibility study, basin study, and pre-design report of the main collector system extension south along the highway from Shotgun Alley to Whale Park. This area contains approximately 75 building lots, many of which currently have failed on-site treatment units and documented public health and environmental concerns (DEC NOV's). The City and Borough of Sitka has budgeted to have a feasibility study performed in the fall of 1998. If grant monies are available, the pre-design phase will continue into design for the construction of a first phase collection extension.

Project Need:

Current situation - Documented Public health/pollution hazards. Failed on-lot treatment disposal systems in these densely populated areas. This study will provide monies to evaluate options, predesign, gather required survey information and possibly construction documents for Phase I (Cedar Beach).

COMMUNITY CONTACT

Name: City Engineer

Address: 100 Lincoln Street
Sitka 99835

Phone Number: (907) 747-1805

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$10,000
Engineer/Inspect:	\$109,000
Construction:	\$1,350,100
Equipment:	
Other:	
Total:	\$1,469,100

Community: Sitka

Project Title: WW Collection System Expansion

Grant Amount Requested: \$ 734,550

Election District:

Project Priority:

Population Served:

Project Description:

Expand existing City and Borough of Sitka Wastewater (WW) Collection System to two low lying densely populated areas. These areas currently have on-lot treatment and disposal systems in different states of operation/nonoperation with long histories of inadequately treated sewage disposal problems.

Phase I - Final design - Cedar Beach Road and Pre-design - Shotgun Alley

Phase II - Final design - Shotgun Alley and Construction - Cedar Beach Road

Phase III - Construction of Shotgun Alley

Project Need:

Currently there is a documented public health/pollution hazard, failed on-lot treatment and disposal systems. This project will design and construct collection and pumping into existing interceptor sewer thus eliminating discharges in these two densely populated area.

COMMUNITY CONTACT

Name: City Engineer

Address: 100 Lincoln Street
Sitka 99835

Phone Number: (907) 747-1805

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$100,000
Engineer/Inspect:	\$600,000
Construction:	\$3,000,000
Equipment:	
Other:	\$300,000
Total:	\$4,000,000

Community: **Sitka**

Project Title: WW Collection System Extension - SMC
Road

Grant Amount Requested: \$ 2,000,000

Election District:

Project Priority:

Population Served: 8,500

Project Description:

This project will extend the main collector system south along highway (SMC) to allow the connection of approximately 75 building sites, elimination of many currently failed on-site treatment units with documented public health and environmental concerns (DEC NOV's). Most notably is the residents on Blueberry Lane and the contamination of the nearby creek.

Project Need:

Expand existing interceptor. Connect homes with failed on-lot treatment units. Area has documented public health/pollution hazards.

COMMUNITY CONTACT

Name: City Engineer

Address: 100 Lincoln Street
Sitka 99835

Phone Number: (907) 747-1805

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$6,000
Engineer/Inspect:	\$8,000
Construction:	\$28,700
Equipment:	\$7,300
Other:	\$6,000
Total:	\$56,000

Community: Skagway

Project Title: Wastewater, Outfall Diffuser Modification

Grant Amount Requested: \$ 47,600

Election District:

Project Priority:

Population Served: 850

Project Description:

The existing diffuser does not provide adequate dilution of the wastewater discharge. The City proposes to remove the current diffuser and replace it with a 200 foot extension pipe with discharge ports at regular intervals for better dispersion. EPA, ADEC and the City's consulting engineer believe this will correct the ongoing non-compliance with our NPDES permit requirements for copper.

Project Need:

Current diffuser on outfall is not allowing adequate dilution of effluent. Improved dilution would serve to better protect marine environment and meet NPDES permit requirements. Skagway is currently listed as being significantly in non-compliance for copper levels.

COMMUNITY CONTACT

Name: City Manager

Address: P.O. Box 415
Skagway 99840

Phone Number: (907) 983-2297

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$2,500
Engineer/Inspect:	\$65,000
Construction:	\$575,000
Equipment:	
Other:	\$7,500
Total:	\$650,000

Community: **Soldotna**

Project Title: Funny River Road Water and Sewer
Extension Sterling Highway to Airport

Grant Amount Requested: \$ 500,000

Election District:

Project Priority: Five

Population Served: 4,000+

Project Description:

This project will provide for the installation of water and sewer mains from the Sterling Highway to the Airport. This will promote development (residential, commercial, and airport) along the entire length of the project, while maintaining safe wastewater disposal. This project will also connect Well E at the airport to the Soldotna water system. According to the well drillers log, Well E has a tremendous capability with excellent water quality.

One lift station may be needed to accomplish this project.

Project Need:

This project is needed to promote residential, commercial and airport development. This kind of development will benefit the public by providing business opportunities. Consequences of not doing this project would include no or very slow development at the airport and marginal volume of water to the existing Soldotna water system. The area to be served is immediately adjacent to the Kenai River; existing and future development using on-site systems increases risk of harm to fish stocks.

COMMUNITY CONTACT

Name: City Manager

Address: 177 N. Birch
Soldotna 99669

Phone Number: (907) 262-9107

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$1,500
Engineer/Inspect:	\$44,000
Construction:	\$450,500
Equipment:	
Other:	\$4,500
Total:	\$500,500

Community: **Soldotna**

Project Title: Sterling Highway Water and Sewer Extension

Grant Amount Requested: \$ 385,000'

Election District:

Project Priority: Three

Population Served: 4,000

Project Description:

Installation of water and sewer mains along the south side of the Sterling Highway from Birch Street to East Redoubt Avenue. It may also include necessary mains crossing the Sterling Highway to connect this extension to the water and sewer system. This project will help eliminate existing on-site water and sewer systems to the existing commercial buildings in the Soldotna "Y" project area. This project would also encourage future construction in this commercially zoned area between the highway and the Kenai River.

Project Need:

The project is needed to promote commercial development which in turn promotes our local economy and job opportunities. Some of the existing commercial structures appear to be on-site septic systems. Further commercial growth using septic systems this near the Kenai River is not desirable.

COMMUNITY CONTACT

Name: City Manager

Address: 177 N. Birch
Soldotna 99669

Phone Number: (907) 262-9107

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$5,000
Engineer/Inspect:	\$60,000
Construction:	\$195,000
Equipment:	\$85,000
Other:	\$5,000
Total:	\$350,000

Community: Soldotna

Project Title: WWTP Emergency Generator - Digester Blower

Grant Amount Requested: \$ 250,000

Election District:

Project Priority: One

Population Served: 4,000

Project Description:

This project has two phases: Phase I: Installation of an alternate commercial power feed from the Homer Electric Association. This will allow a higher probability of continued commercial power under most emergency power situations.

Phase II: Installation of an emergency generator and new digester blowers. This project will accomplish two primary concerns: (1) emergency generator would provide on-site generated power to assure continued operation of the wastewater treatment plant (WWTP) in emergency situations and (2) the new blowers will allow continued growth of the community in the future and improve processing at the WWTP upon completion of the project. The anticipated construction includes expansion of the existing blower room, installing the emergency generator in the existing lab and restroom area, and construction of a new lab, restroom and office building.

Project Need:

This project is a proactive step to try and avoid possible mishaps that are conceivable and probable. For instance, if commercial power is not available for any reason, the aeration basin becomes a still basin. If a power outage remains for over approximately four hours, the type of "friendly" bacteria dies off and is replaced by an "unfriendly" type. These unfriendly type bacteria are very difficult to eliminate, even after commercial power is restored.

COMMUNITY CONTACT

Name: City Manager

Address: 177 N. Birch
Soldotna 99669

Phone Number: (907) 262-9107

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$1,500
Engineer/Inspect:	\$45,000
Construction:	\$238,000
Equipment:	\$165,000
Other:	\$5,000
Total:	\$454,500

Community: Soldotna

Project Title: WWTP Ultra Violet (UV) System

Grant Amount Requested: \$ 350,000

Election District:

Project Priority: Seven

Population Served: 4,000+

Project Description:

The UV system will eliminate the need to use chemicals or gases for disinfection of the City's effluent from the wastewater treatment plant (WWTP). The WWTP effluent discharges into the Kenai River which is classified as very sensitive receiving waters.

Project Need:

The WWTP is located in the middle of Soldotna and discharges into the Kenai River, the life blood of our community, supporting tourist, commercial and subsistence fishermen, river fishing guides and sports anglers. The City is continually striving to refine the treatment process in an effort of improving effluent quality. Prior to 1992, chlorine gas was used for disinfection at the WWTP. In 1992 there was a chlorine gas leak that caused evacuation of over half the town. After the leak, several different types of disinfection systems were evaluated.

COMMUNITY CONTACT

Name: City Manager

Address: 177 N. Birch
Soldotna 99669

Phone Number: (907) 262-9107

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$10,000
Engineer/Inspect:	\$60,000
Construction:	\$590,000
Equipment:	
Other:	
Total:	\$660,000

Community: **Unalaska**

Project Title: Water System Improvement (SWTR)

Grant Amount Requested: \$ 462,000

Election District:

Project Priority: Two

Population Served: 4,300

Project Description:

This project consists of completing design and constructing infrastructure necessary to bring the City's Well 2 into compliance with the Surface Water Treatment Rule. Options for compliance include well head modifications, filtration, disinfection or possibly drilling a new well.

Project Need:

In July 1997, the DEC determined Well 2 to be under the influence of surface water and subject to the Surface Water Treatment Rule. Because the water source has been determined to be directly influenced by surface water, a health threat exists. Possible contaminants include cryptosporidium and giardia. In August 1997 the DEC informed the City it has until January 15, 1999 to bring Well #2 into compliance with the Surface Water Treatment Rule.

COMMUNITY CONTACT

Name: Mike Golat

Address: P.O. Box 610
Unalaska 99685

Phone Number: (907) 581-1260

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$20,000
Engineer/Inspect:	\$628,000
Construction:	\$1,516,000
Equipment:	\$543,000
Other:	\$185,000
Total:	\$2,892,000

Community: Unalaska

Project Title: WWTP Upgrade

Grant Amount Requested: \$ 63,385

Election District:

Project Priority: One

Population Served: 4,300

Project Description:

This project includes adding ultra violet disinfection to the City's wastewater treatment process and upgrading the wastewater treatment plant to comply with applicable building and electrical codes. The disinfection system will be designed to process up to two million gallons per day. The new disinfection system will reduce fecal coliform bacteria to a level that will comply with Alaska State water quality standards.

Project Need:

This project is needed to ensure that effluent from the wastewater treatment plant meets Alaska Water Quality Standards for fecal coliform. Based on a fecal coliform mixing zone study conducted by CH2M Hill in August 1996, the ADEC determined the City exceeded water quality standards for fecal coliform at the shoreline where there is documented harvest of shellfish and finfish. Therefore, because there was concern regarding the potential for fecal-related illnesses including cholera and dysentery, EPA issued a compliance order (9/97) mandating that disinfection be added by 9/1/00.

COMMUNITY CONTACT

Name: Director of Public Utilities

Address: P.O. Box 610
Unalaska 99685

Phone Number: (907) 581-1260

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$47,500
Engineer/Inspect:	\$142,500
Construction:	\$760,000
Equipment:	
Other:	
Total:	\$950,000

Community: **Valdez**

Project Title: Backup Well House for In-Town Reservoir

Grant Amount Requested: \$ 665,000

Election District:

Project Priority:

Population Served: 3,500

Project Description:

This project will provide an additional water pump station to supply potable water to the City's number two reservoir.

Project Need:

The City's main potable water system has two 750,000 gallon reservoirs. The number one reservoir is supplied with drinking water by two main pump stations. Reservoir number two is supplied with drinking water by one pump station. In the event that the single pump station supplying the number two reservoir experiences a major pump failure the remaining pump stations supplying reservoir number one will not keep up with the water demand during peak times (i.e. summer months). Without water to the City's main system the following dilemmas will occur: main town will be without fire protection; businesses dependent on water supply will be shut down; and water distribution grid will be contaminated due to negative line pressure.

COMMUNITY CONTACT

Name: Utilities Manager

Address: P.O. Box 307
Valdez 99686

Phone Number: (907) 835-4888

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$150,000
Engineer/Inspect:	\$450,000
Construction:	\$2,400,000
Equipment:	
Other:	
Total:	\$3,000,000

Community: **Valdez**

Project Title: Mineral Creek Loop Road Water System

Grant Amount Requested: \$ 300,000

Election District:

Project Priority:

Population Served:

Project Description:

This project will provide the City's Loop Road Water System with approximately three miles of additional water distribution line and a Class A water pump station. It will provide drinking water to the three additional areas including the existing Loop Road water system.

Project Need:

The existing water system provides water to a quarter of the areas population with a well which is under the direct influence of surface water and cannot produce the quantities needed for the area. This expansion would provide Class A water to approximately 300 additional residences or persons.

COMMUNITY CONTACT

Name: Utilities Manager

Address: P.O. Box 307
Valdez 99686

Phone Number: (907) 835-4888

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$220,000
Engineer/Inspect:	\$990,000
Construction:	\$4,317,390
Equipment:	
Other:	
Total:	\$5,527,390

Community: **Valdez**

Project Title: Robe River Sewer System

Grant Amount Requested: \$ 3,869,173

Election District:

Project Priority:

Population Served: 400

Project Description:

This will provide a sanitary sewer trunk line from the City's wastewater treatment plant to the Robe River area. The existing subdivision contains 211 lots and has only private leach fields. There are two planned subdivisions in the immediate vicinity which could benefit from the extension with a combined total of approximately 200 lots. If no sewer trunk is available, these lots will use private leach fields also. The total number of lots to be serviced within the near future by the line would be approximately 411. The water supply is with a local well and community water distribution system.

Project Need:

The area to be served is the primary growth area in Valdez. Existing lots total 211 and planned lots total 200, which would give sewer service to 411 total lots. In addition, the area in question will have additional growth in the future, as it is one of the few areas in the City of Valdez capable of supplying land for major residential growth. When the Trans-Alaska Gas Line project is constructed, this area will serve as the primary residential area for the expected growth. Without the sewer trunk line to the area, all existing, planned and expected growth to the area will be by private on-site septic systems, as no other option exists. This grant will provide a major opportunity to be proactive in preventing a degradation of the existing water supply well.

COMMUNITY CONTACT

Name: Acting City Engineer

Address: P.O. Box 307
Valdez 99686

Phone Number: (907) 835-4313

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$107,000
Engineer/Inspect:	\$295,000
Construction:	\$1,348,000
Equipment:	
Other:	
Total:	\$1,750,000

Community: **Wasilla**

Project Title: Parks Highway West Water Main Extension

Grant Amount Requested: \$ 1,225,000

Election District:

Project Priority:

Population Served: 1,000

Project Description:

A sixteen inch water main will be extended west from the existing system along the Parks Highway. This extension will immediately provide a safe source of drinking water and fire protection service to the western portion of the downtown area. This area currently has a public school and several businesses, including a lumber yard and a large hotel. Residences could also be served on this main.

Project Need:

Wasilla is the fastest growing area in Alaska. Without public water utility service, rapid development will result in an ever-increasing number of water wells. A large majority of the City's residents rely upon private groundwater wells for their water supply. Many residents could be consuming unsafe drinking water since their water is not tested for contaminants. Also the City's water utility relies upon having safe groundwater for its customers (no surface drinking water sources). As more wells draw down the aquifers, the potential for contamination to migrate horizontally and vertically (into deeper aquifers) increases.

COMMUNITY CONTACT

Name: Public Works Director

Address: 290 East Herning Avenue
Wasilla 99654

Phone Number: (907) 373-9055

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$80,000
Engineer/Inspect:	\$150,000
Construction:	\$670,000
Equipment:	
Other:	\$100,000
Total:	\$1,000,000

Community: **Wasilla**

Project Title: Sewer Trunk Line Extension

Grant Amount Requested: \$ 1,000,000

Election District:

Project Priority:

Population Served: 4,917

Project Description:

A sixteen inch gravity sewer line from the City's treatment plant to the Seward Meridian Road/Parks Highway intersection area is proposed for construction. This trunk line project will serve a rapidly growing portion of the City that does not currently have sewer service. All properties in this area, including major commercial users, have on-site septic systems. Similarly, all properties are served by on-site wells. Many lots are small. The subsurface is primarily porous gravel. With these conditions, drinking water wells are jeopardized by the many septic systems in the area. This project will accomplish several goals: reduce potential health hazards of failed septic systems (especially large commercial properties), reduce impacts to the groundwater and public health concerns related to consuming contaminated groundwater, and increase opportunities for economic development.

Project Need:

Public benefits from this project include protecting drinking water wells, providing a cost-effective solution to failed septic systems, and more commercial development will occur increasing sales tax receipts for other City infrastructure projects. This project will satisfy the public needs for safe water supplies, cost effective wastewater disposal, and adequate infrastructure for economic development. If this project is not constructed, property owners will be faced with expensive, complicated solutions when failed septic systems need to be replaced.

COMMUNITY CONTACT

Name: Public Works Director

Address: 290 East Herning Avenue
Wasilla 99654

Phone Number: (907) 373-9055

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$110,000
Engineer/Inspect:	\$225,000
Construction:	\$1,110,000
Equipment:	
Other:	\$361,106
Total:	\$1,806,106

Community: **Wasilla**

Project Title: Storm Water Treatment and Disposal System

Grant Amount Requested: \$ 1,264,274

Election District:

Project Priority:

Population Served: 4,917

Project Description:

The City identified storm water disposal as a basic infrastructure need to protect public health and the environment in the early 1980's. Currently, storm water disposal in Wasilla is by means of dry wells and surface discharges into Lake Lucille and Wasilla Lake. Monitoring wells near some of the dry wells have proven that the groundwater is subject to contamination. Sample results of the surface discharge into Wasilla Lake also shows contamination entering the lake. Public health is currently endangered in various ways: 1) consuming groundwater from private and public wells subject to dry well contamination sources, 2) skin contact with the storm water discharge into the lakes (swimming, water skiing, jet ski use, boating), and 3) eating contaminated fish. Water quality will continue to degrade as land is developed.

Project Need:

Without a storm sewer system, rapid development will result in an ever-increasing number of dry wells being installed as new roads are constructed and existing roads are paved. A large majority of the City's residents rely upon private groundwater wells for their water supply. Many residents could be consuming unsafe drinking water since their water is not tested for contaminants. Also the City's water utility relies upon having safe groundwater for its customers (no surface drinking water sources). As more wells draw down the aquifers, the potential for contamination to migrate horizontally and vertically (into deeper aquifers) increases.

COMMUNITY CONTACT

Name: Public Works Director

Address: 290 East Herring Avenue
Wasilla 99654

Phone Number: (907) 373-9055

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$150,000
Engineer/Inspect:	\$375,000
Construction:	\$1,925,000
Equipment:	
Other:	\$150,000
Total:	\$2,600,000

Community: **Wasilla**

Project Title: WWTP Phase 3A

Grant Amount Requested: \$ 300,000

Election District:

Project Priority:

Population Served: 4,917

Project Description:

This project will resolve a nitrate problem the City has had since 1986 and allow for elimination of potential long term contamination of groundwater. This problem may be resolved through a change in disposal method of final effluent or by additional treatment of the effluent to remove nitrate.

Project Need:

Since construction in 1986, there has been a continuing effort to maintain nitrate levels of the discharge within the parameters of the ADEC permit. Long term, there is a risk of contamination of the groundwater and nearby surface stream.

COMMUNITY CONTACT

Name: Public Works Director

Address: 290 East Herning Avenue
Wasilla 99654

Phone Number: (907) 373-9055

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$34,000
Engineer/Inspect:	\$102,000
Construction:	\$714,000
Equipment:	
Other:	
Total:	\$850,000

Community: **Wrangell**

Project Title: Church Street Wood Stave Water Main Replacement

Grant Amount Requested: \$ 595,000

Election District:

Project Priority: Three

Population Served: 2,500

Project Description:

The City's water system has 2,300 lf of wood stave water main which was installed around the first of the century. An engineering report done in 1995 recommends replacement of the line to increase the fire flow to the downtown business district. This line is suspected of substantial leakage but because of the type of pipe normal leak detection is not effective.

Project Need:

When this line has been exposed for repair work, it has been documented that some property services are copper with sections of hydraulic base spliced in with hose clamps. This can easily cause contamination to both the residence served and the City's distribution system.

COMMUNITY CONTACT

Name: Public Works Superintendent

Address: P.O. Box 531
Wrangell 99929

Phone Number: (907) 874-3904

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$2,475
Engineer/Inspect:	\$52,525
Construction:	
Equipment:	
Other:	
Total:	\$55,000

Community: **Wrangell**

Project Title: Wastewater Treatment Plant Analysis

Grant Amount Requested: \$ 38,500

Election District:

Project Priority: Two

Population Served: 2,700

Project Description:

The City's wastewater treatment plant was constructed in 1976. In 1992 URS Consultants, Inc. evaluated the plant as part of our effort to meet new State and Federal Regulations. This project would use URS's report as a starting point for an updated evaluation that would include long range plans for sludge handling, upgraded electronic controls, telemetry and facility repair.

Project Need:

Since 1976, the expansion of our water and sewer system has increased the loading at the wastewater treatment plant. Although we are currently meeting our requirements, a failure of any one component at the plant would cause a potential for major pollution hazard. The electric controls are so old that we cannot find replacement parts which increases our chances for a failure.

COMMUNITY CONTACT

Name: Public Works Superintendent

Address: P.O. Box 531
Wrangell 99929

Phone Number: (907) 874-3904

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$33,750
Engineer/Inspect:	\$90,000
Construction:	\$626,250
Equipment:	
Other:	
Total:	\$750,000

Community: **Wrangell**

Project Title: Water System Rehab. Phase I

Grant Amount Requested: \$ 525,000

Election District:

Project Priority: Four

Population Served: 2,500

Project Description:

The City has over four miles of asbestos-cement water lines. Some of these lines were installed 40 years ago and are currently in a deteriorating condition. As part of our effort to upgrade our system and to protect the public health, we are starting a phased project to replace these lines with ductile iron pipe. The requested funds would be for the initial engineering and the first phase of construction.

Project Need:

During Wilson Engineering's evaluation of our water system, some of the asbestos-cement water lines were found to be soft and flaking. Recently while flushing fire hydrants downtown, two large 4" x 6" pieces of the lining of this pipe were flushed from the system. Although no asbestos has been found in our normal testing, if this pipe deteriorates to the point where small pieces of asbestos come loose and enter the system we could have a serious health hazard.

COMMUNITY CONTACT

Name: Public Works Superintendent

Address: P.O. Box 531
Wrangell 99929

Phone Number: (907) 874-3904

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$52,000
Engineer/Inspect:	\$156,000
Construction:	\$1,144,000
Equipment:	
Other:	
Total:	\$1,352,000

Community: **Wrangell**

Project Title: Zimovia Water & Sewer Extension, Phase IV

Grant Amount Requested: \$946,400

Election District:

Project Priority: One

Population Served: 2,700

Project Description:

This project is the final phase in the extension of sewer and water along Zimovia Highway from the North entrance of Zimovia Loop Road, approximately one mile to the former APC mill property. This project will alleviate failing septic tanks which degrade water quality. This project will also encourage residential development. Currently, zoning only allows subdivisions of small parcels where municipal sewer and water is available.

Project Need:

This project is part of the City's effort to comply with State requirements to provide safe drinking water and sanitary sewer to areas which have known septic tank failures. This will also eliminate pollution from endangering the ground water.

COMMUNITY CONTACT

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Phone Number: (907) 874-3904

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FY 00 CAPITAL BUDGET REQUEST
Municipal Matching Grants Program**

PROJECT COSTS:

Administration:	\$15,000
Engineer/Inspect:	\$35,000
Construction:	\$50,000
Equipment:	\$100,000
Other:	
Total:	\$200,000

Community: Yakutat

Project Title: Water and Sewer Service Improvement

Grant Amount Requested: \$ 200,000

Election District:

Project Priority: One

Population Served: 850

Project Description:

Review, identify and prioritize water and sewer needs and problems to:

- A. replace aging and leaking storage tanks
- B. replace and relocate aging and unsafe water and sewer lines and increase capacity to growth areas
- C. reduce potential for unsafe water supply by replacing old water tanks (wooden) with new approved modern ones
- D. provide engineering plans for above (citywide upgrade)

Project Need:

Without this project, the "squeaky wheel" piecemeal approach would be used to correct water and sewer problems. Growth areas where water only is planned would become part of a comprehensive water and sewer expansion. Main needs are (1) age of present system and (2) rapid growth is stressing system.

COMMUNITY CONTACT

Name: City Manager

Address: Box 160
Yakutat 99689

Phone Number: (907) 784-3323

SR 31
SEN FIN

VILLAGE SAFE WATER

FY2000 Community Grant Requests

- **Water Supply**
- **Solid Waste**
- **Wastewater Treatment**



Alaska Department of Environmental Conservation

Prepared by the Division of Facility Construction and Operation - January, 1999

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- **VSW Tenets**
- **Services and Benefits**
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**Alaska Department of Environmental Conservation
Prepared by the Division of Facility Construction and Operation - January, 1999**

VILLAGE SAFE WATER

INTRODUCTION

This report presents proposed capital projects to be funded through the Village Safe Water program in FY00.

Small communities across the State submitted FY00 proposals for 144 water, sewer and solid waste projects representing approximately \$125 million in need. Of that total, the Administration's capital budget, along with funding from the U.S.D.A.-Rural Development, would fund the 71 highest priority projects at a total cost of \$62 million.

144 projects representing approximately \$125 million in CIP requests for FY00.

71 community projects proposed for funding at a cost of \$62 million.

VILLAGE SAFE WATER

VSW PROGRAM TENETS

Grants will be administered in accordance with the statutory and programmatic tenets of the Village Safe Water program:

- Eligible communities are:
 - first class cities with populations less than 600 persons;
 - second class cities; and
 - unincorporated communities with populations between 25 and 600 persons.
- Grants are awarded using a priority ranking system that favors projects addressing serious health threats.
- All (100 percent of) project planning, design and construction costs are eligible for grants.
- Once a sanitation system is constructed – be it a landfill, drinking water system or wastewater system – it becomes the property of the community. Operation and maintenance of the facilities are local responsibilities.
- As a prerequisite to receiving grant funding, communities must demonstrate that they have the basic capacity to operate and maintain the system.
- Construction must be preceded by a planning/engineering feasibility study that sets out options for a community's consideration, and identifies what the ultimate costs of each option to the users will be.

Requests are ranked by public health need

Operation and maintenance of the facilities are local responsibilities

Communities demonstrate they have basic capacity to operate and maintain systems

VILLAGE SAFE WATER

VSW PROGRAM TENETS

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Requests are ranked by public health need

Operation and maintenance of the facilities are local responsibilities

Communities demonstrate they have basic capacity to operate and maintain systems

- Communities must play an integral role in the planning and decision making. Communities must also demonstrate a commitment to developing the project and to make it work upon completion – one form of which is a resolution passed by the governing body.
- VSW engineers serve as the community engineers providing assistance with securing consultants and contractors, reviewing and providing guidance on project design, generally assisting communities in managing the projects, and guarding the state and federal investment in the project.
- The program seeks to maximize the use of private companies and local resources – as opposed to agency personnel – in accomplishing its objectives.

Communities must play an integral role in system planning and development

VSW engineers serve as the community engineers

Maximize the use of private companies and local resources

VILLAGE SAFE WATER

SERVICES AND BENEFITS

- **Project Planning.** Through preparation of feasibility studies, VSW assists communities in reviewing the alternatives available for solving their sanitation problems, the capital costs of alternatives, and the operation and maintenance expenses the community will have to pay after the project is completed. Experience has shown that when communities have this basic information, they make sound decisions on the type of service best suited to their needs and means.
- **Technical Assistance.** VSW provides technical assistance to villages during all phases of a project including planning, design, and construction. Because VSW staff has aptitude and training in the area of sanitation engineering, local interests are protected. VSW ensures that villages receive what is paid for, and that the project is consistent with local needs.
- **Varying Construction Techniques.** A variety of construction methods can be used. Force account construction practices are popular in small, remote communities. VSW provides assistance with expediting materials, supervising construction and inspecting projects. If a community opts to perform all or part of a project through professional contractors, VSW staff helps draft the contract, select a contractor, and oversee the contract to assure the community is getting what it expects.
- **Agreement Negotiations.** VSW staff are available to assist communities negotiating user fee agreements with large water users (such as schools) or agreements for waste heat with the Alaska Village Electric Cooperative.
- **Financial Accountability.** Financial management is provided by VSW through a contract with a CPA firm. This assures timely payment of bills and payrolls, fulfillment of IRS requirements and final project accountability of all expenses.

VILLAGE SAFE WATER

FUNDING SOURCES

Village Safe Water is flexible in its approach to financing sanitation needs. The program has been successful in capturing federal dollars through a variety of sources including the U. S. Indian Health Service, U.S.D.A.-Rural Development, the U.S. Environmental Protection Agency, the U.S. Department of Housing and Urban Development, and the U.S. Department of Transportation via the state Department of Transportation and Public Facilities.

Joint ventures pool financial resources. Effective working agreements have been developed and implemented between Village Safe Water and various federal agencies to allow completion of basic sanitation services in the villages.

State appropriations are used to capture federal dollars from PHS, USDA-RD, EPA, HUD, and DOTPF.

Additional Information: More detailed information on these projects is available by contacting Dan Easton, PE, Director of Facility Construction and Operation, at (907) 465-5135.

COMMUNITY PROJECTS

- **WATER SUPPLY**
- **SOLID WASTE**
- **WASTEWATER TREATMENT**



Alaska Department of Environmental Conservation
Prepared by the Division of Facility Construction and Operation - January, 1999

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**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 600

Community: Akiachak Native Community
Project Title: Water and Sewer Improvement
Appropriation Requested: \$2,000,000

Project Description:

The new water and sewer improvement project is funded and proceeding, the new underwater well source, the new site for the new water treatment plant and the new dirt road to the new sewer lagoon are prepared and are complete. This grant proposal will allow funds to procure the materials and the equipment, arrange logistics and direct local crews to construct the improvements. Work proposed for 1999 includes construction of an iron/manganese removal water treatment plant, equipment storage building, water storage tank, powerline extension, waste heat improvements, a water loop from the water treatment plant to the existing washeteria, force main and sewage lagoon improvements. Design will also continue on the water distribution and sewage collection system. The requested funds will allow construction of collection and distribution system improvements and installation of plumbing in 2000.

Project Need:

The Akiachak Native Community is a high risk village for Hepatitis B and meningitis viruses, infecting the young and old residents of the village. The existence of Hepatitis B and meningitis and susceptibility of the residents is due in part to inadequate human waste system. The Akiachak IRA Council and the Medical Director for the Yukon-Kuskokwim Health Corporation determined that the new sewer and water system for Akiachak Native Community will address and eliminate the Hepatitis B and meningitis viruses.

Cost Estimated By:

Chuck Eggener, P. E.

CE2 Engineers

President

349-1010

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Akiachak Native Community

Water and Sewer Improvement

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$250,000
Construction: \$1,250,000
Equipment: \$500,000
Other:
Total: \$2,000,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 1,230,000 1,600,000
Source: Indian IHS and
 Health DEC
 Service
Received: 1996 1995

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

George Peter
P. O. Box 70
Akiachak 99551
907-825-4626

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 320

Community: Akiak, City of
Project Title: Water and Sewer project, Ph V
Appropriation Requested: \$978,000

Project Description:

1. Piped water services to 26 native homes from loop 1 water main.
2. Septic tank/drainfield systems repaired or replaced for 22 homes on loop 1.
3. Abandonment of individual wells for 26 homes on loop 1.

Project Need:

This project is needed to address the immediate health hazard of sewage contamination to individual wells. It will eliminate the risk of disease associated with fecal contamination of drinking water by providing water service to 26 homes and the sanitary closure of existing shallow individual wells. The shallow individual wells periodically go dry so that homeowners are forced to haul water. The consequence of not doing this project is the continued risk of sewage contamination to drinking water sources.

Cost Estimated By:

Dan V. Boccia

IHS

729-3552

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Akiak, City of

Water and Sewer project, Ph V

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

Administration: \$19,560

Engineer/Inspect: \$48,900

Construction: \$841,080

Equipment: \$68,460

Other: \$0

Total: \$978,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Will federal money be used: Yes

Amount: 182,000 805,000

Source: IHS IHS

Date

Received: FY94 FY96

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: No

Sammy G. Jackson, I

P. O. Box 52127

Akiak 99552

765-7112

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 40
Local Budget Priority: One
Population Served: 100

Community: Akutan, City of
Project Title: Surface Water Treatment Upgrade
Appropriation Requested: \$1,502,500

Project Description:

This project will upgrade the existing water system to bring our drinking water into compliance with State of Alaska Surface Water Treatment Rule. A new 125,000 gallon water storage tank will be constructed to give the water longer exposure time, and the water plant will be converted to a cartridge filtration system.

Project Need:

Our water is currently treated, but the amount of time it is exposed to the chemicals is very limited due to the small tank size. Current conditions are sufficiently severe that a disease event could occur but has not been reported.

Cost Estimated By:

Pierre Costello

IHS

729-3500, Ext. 3534

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Akutan, City of

Surface Water Treatment Upgrade

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:	Yes
Feasibility Plan:	Yes
Comprehensive Study:	No
Is this a phased project:	Yes

Administration:	\$154,100
Engineer/Inspect:	\$64,200
Construction:	\$431,700
Equipment:	\$685,000
Other:	\$167,500
Total:	\$1,502,500

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: No

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: yes

Erika Tritremmel

1600 "A" Street, Suite 103

Anchorage 99501

274-7555

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 75

Community: Alakanuk, City of
Project Title: Northside Sanitation Improvements
Appropriation Requested: \$1,000,000

Project Description:

The construction of a water and waste water system for the north side of the village of Alakanuk providing service to approximately 75 residents and 13 homes across the river. The project would include the construction of sewer lines including the installation of fire hydrants and basic facilities in each home. The project would include a tie-in line to the main system that is currently being constructed on the south side of Alakanuk.

Project Need:

There are currently both health and pollution hazards existing on the north side of Alakanuk. This has to do with the continued use of "honey buckets" and pits in which to dump those honey buckets. The high water table causes the pits to overflow and pose a health and pollution hazard to not only the north side residents, but to all residents in Alakanuk.

Cost Estimated By:

Kurt Egelhofer

ADEC-VSW

Engineer

269-7601

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Alakanuk, City of

Northside Sanitation Improvements

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:
Engineer/Inspect:
Construction: \$1,000,000
Equipment:
Other:
Total: \$1,000,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

Raymond J. Oney

P. O. Box 167

Alakanuk

99554

238-3313

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 240

Community: Aleknagik, City of
Project Title: N. Shore Liquid Waste Stabilization Facility & Landfill Relocation
Appropriation Requested: \$323,000

Project Description:

Construct a liquid waste stabilization and disposal facility (sludge lagoon system) with an impermeable liner. The lined facility will be connected with decant and overflow piping to a treated effluent percolation cell. The entire liquid waste facility will be enclosed by a chain link fence. A new 20 acre solid waste disposal site will be constructed adjacent to the liquid waste facilities. The solid waste site will be trenched for burial of compacted solid waste materials. Perforated steel hoppers will be located at the site for community residents to deposit their bagged household wastes. Hoppers will serve as burn bins, and can pivot on bases for ease of emptying into burial trenches. A 12' x 201' roofed area will be constructed for temporary storage of non-bury materials. These facilities will be located at the end of a 1.5 mile gravelled access road extension currently under design by the ADOTPF .

Project Need:

All homes in North Shore Aleknagik have septic tank waste water systems which dispose of effluent into drain fields or a sewer system draining to a percolation lagoon located on the shore of Lake Aleknagik within the city residential area. Each septic tank requires periodic sludge pumping and disposal. Currently pumped sludge is either dumped into the percolation lagoon or into shallow trenches dug at the N. Shore garbage dump. The dump is located about 1,000 feet from the end of the airport runway and violates FAA runway clearance requirements. The dump is also located about 2,00 feet from 11 new HUD/BBHA homes constructed in '95-96. Each home has a drinking water well. BBAHC field sanitarian expressed concerns for ground water contamination near these homes.

Cost Estimated By:

Brad Rea, P.E.

USPHS-Anchorage

729-3543

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Aleknagik, City of

N. Shore Liquid Waste Stabilization
Facility & Landfill Relocation

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: NO
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$13,800
Engineer/Inspect:	\$44,200
Construction:	\$232,000
Equipment:	\$8,000
Other:	\$36,000
Total:	\$334,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 1,250,000
Source: AKDOT&PF
(ISTEA)
Date
Received: Fy99

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator:
Drinking Water Compliance: No
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Carolyn Smith
P.O.Box 33; Lake Street
Aleknagik **99555-0033**

842-5953 Fax: 842-2107

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 205

Community: Allakaket, City of
Project Title: Pilot Water and Sewer Haul System
Appropriation Requested: \$450,000

Project Description:

Phase I of water and sewer development has been fully funded and is underway. This includes a new water plan, washeteria, new lagoon, water well and water storage tank. Phase II, (this request), will provide a water and sewer haul service to ten homes on a pilot basis. After evaluation, an expanded haul system may provide service to the whole community.

Project Need:

The entire community has no sewer or running water. Most people use honey buckets or outhouses, which is a health hazard. Especially when they use honey buckets in their homes and haul water in open containers. At the new sub-division, 15 homes were installed with 150 gallon tanks under the outhouses. These tanks are now filled. This causes a very strong, unpleasant odor. We have residents complaining to our city office, but we don't have anything to do about this.

Cost Estimated By:

Tom Moeller

IHS

729-3549

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Allakaket, City of

Pilot Water and Sewer Haul System

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan:

Comprehensive Study: Yes

Is this a phased project: Yes

Administration:

Engineer/Inspect: \$100,000

Construction: \$350,000

Equipment:

Other:

Total: \$450,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 1,100

Source: IHS

Date

Received: FY99

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted: No

Delores Saunders

P. O. Box 30

Allakaket 99720

968-2241, Fax: 968-2251

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 301

Community: Anaktuvuk Pass (NSB)
Project Title: Service Connections
Appropriation Requested: \$741,000

Project Description:

Project will provide plumbing upgrades to residences to allow hookup to water and sewer distribution and collection systems under development.

- A. Adding plumbing and fixtures to residences without these services.
- B. Upgrading vent, waste and water lines to code.
- C. Adding prefabricated toilet room modules to residences that cannot accommodate conventional toilets and sinks.
- D. Other related improvements necessary to accomplish plumbing upgrades.

Project Need:

An insufficient number of residences possess adequate plumbing facilities to hook up and utilize the water and sewer systems being installed. This places the new systems at risk, crippling the hydraulic and thermal integrity of the sewer mains. Currently many plumbing drains discharge gray water directly to the ground beneath the dwellings, collecting in pools which children play in, or is left to be absorbed or frozen. Most honey bucket users are without adequate bathing facilities or hand sinks. Water is often reused for handwashing several times by family members, promoting conditions for spread of water born disease. Honey bucket trucks often leak refuse on the roads as they collect buckets from homes, further causing health risks. Project funding would allow a managed plumbing upgrade program to occur, allowing the collection/distribution system startups in a scheduled and controlled basis.

Cost Estimated By:

Jeff Baker

North Slope Borough, CIPM

561-6605

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Anaktuvuk Pass (NSB)

Service Connections

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$26,230
Engineer/Inspect:	\$74,270
Construction:	\$610,000
Equipment:	
Other:	\$30,500
Total:	\$741,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

Dorothy Hopson

P.O. Box 69

Barrow

99723

852-0200

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 7
Local Budget Priority: One
Population Served: 60

Community: Anchor Point Safe Water Corp.
Project Title: Water System Expansion Project
Appropriation Requested: \$1,200,000

Project Description:

This project will design, obtain site control, establish permits, and then construct new water mains, a second water well, pump house, and service connections to various homes, businesses, and the school along the Sterling Highway in Anchor Point. The existing water system will be tied into the expansion system, thus allowing for more homes and businesses to connect to a safe, potable, water source.

Project Need:

Some homes and businesses have well water contaminated with benzene. Other structures have well water high in iron and manganese. The school has water high in lead and copper. This project will supply water to the benzene contaminated areas, the school, and those lots along the Sterling Highway that have water high in iron and manganese. The lead problem at the school and the benzene in the ground water supply pose a significant health threat to the residences.

Cost Estimated By:

Mike Wolski, P.E.

ADEC-VSW

Engineer

269-7603

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Anchor Point Safe Water Corp.

Water System Expansion Project

PLANNING COMPLETED

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study: Yes

Is this a phased project: Yes

PROJECT COSTS

Administration:	\$5,000
Engineer/Inspect:	\$155,000
Construction:	\$1,000,000
Equipment:	\$20,000
Other:	\$20,000
Total:	\$1,200,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Bob Clutts

P. O. Box 154

Anchor Point 99556

235-8532, Fax 235-2296

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 5
Local Budget Priority: One
Population Served: 603

Community: Angoon, City of
Project Title: Water Storage Tank, Septic Sludge Lagoon
Appropriation Requested: \$782,000

Project Description:

This project will complete the following:

- a. 500,000 gallon bolted steel water storage tank;
- b. reinforced concrete water tank foundation;
- c. ductile iron pipe water mains to connect proposed tank;
- d. on-line chlorine analyzer in existing water plant.;
- e. two-cell septic system sludge treatment and disposal lagoon'
- f. clean up existing solid waste site;
- g. operation and maintenance supplies and equipment for the above listed items.

Project Need:

1. Public health hazard has been created by inadequate chlorine contact time in potable water supply to homes being developed along the road between the main town and the water plant.
2. A public health hazard was created by the lack of proper septic sludge treatment and disposal facility. The existing sludge pit will overflow into the solid waste site and is therefore not able to receive all the sludge from the community septic tank. Accumulating sludge from the community may cause solids to enter the outfall.

Cost Estimated By:

Andy Meltzer, P.E.

US PHS

Engineer

729-3544

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Angoon, City of

Water Storage Tank, Septic Sludge
Lagoon

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$16,000
Engineer/Inspect:	\$40,000
Construction:	\$210,000
Equipment:	\$430,000
Other:	\$86,000
Total:	\$782,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 18,000

Source: Oil Filter
Sales

Date

Received: 1998

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Maxine Thompson

P. O. Box 189

Angoon **99820**

788-3653, Fax: 78-3821

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 576

Community: Aniak, City of
Project Title: Lift Station Upgrade
Appropriation Requested: \$75,000

Project Description:

Repair lift stations, raise level of 4 lift stations above flood stage, rebuild control panels on 2 lift stations.

Project Need:

The existing lift stations do not meet code. This project will protect lift stations from flooding.

Cost Estimated By:

Paul Gabbert, P. E.

ADEC-VSW

Engineer

269-7608

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Aniak, City of

Lift Station Upgrade

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$15,000
Construction: \$60,000
Equipment:
Other:
Total: \$75,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
Amount:
Source:
**Date
Received:**

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: No
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Herman W. Morgan
P. O. Box 189
Aniak 99557
675-4481

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: Yes
Population Served: 100

Community: Anvik, City of
Project Title: Water and Sewer Project
Appropriation Requested: \$438,000

Project Description:

The continuation of the Anvik Water/Sewer project will provide sanitation services to residential homes not previously served, or left incomplete by the water and sewer project executed by IHS and the City of Anvik. The project scope will include, where feasible, in-house plumbing (13 homes), septic system installation or upgrade (16 homes), connection to community sewer main (3 homes), drilling of new water wells (4 homes and (ASD Blackwell School). Additionally, new fencing and gates at the community solid waste landfill and construction of a centralized waste oil collection and disposal site will correct health/pollution/environmental concerns.

Project Need:

- A. Sanitary water supply and waste water disposal are of utmost importance to prevent disease. This project will eliminate residents' need to haul drinking water and waste in buckets. Additionally the water well supplying Blackwell School was of poor quality and yield and now has failed completely. A new well is needed for the only school in the village to continue functioning.
- B. The existing fencing at the solid waste landfill is 4 ft. high chicken wire which is continually knocked down by bears, moose and drifting snow. This allows loose debris to be blown outside the landfill perimeter causing environmental and health concerns.

Cost Estimated By:

Michael Grundberg
City of Anvik
Mayor
663-6328

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Anvik, City of

Water and Sewer Project

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$36,500
Engineer/Inspect:	\$36,500
Construction:	\$273,000
Equipment:	\$88,000
Other:	\$4,000
Total:	\$438,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Michael Grundberg
P. O. Box 50
Anvik 99558
663-6328

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: Two
Population Served: 130

Community: Arctic Village Council
Project Title: Landfill Feasibility Study
Appropriation Requested: \$50,000

Project Description:

The Arctic Village Council is seeking to relocate the existing landfill from its current site adjacent to the regional airport, to a more central location for the village and meet the separation requirement from the airport. We request funding to conduct a feasibility study to determine the most economical and best type of solid waste disposal options available, and find a site compatible with the recommended option. Future requests are expected to be made for the funding to design and construct the option recommended by the study.

Project Need:

This project is needed because the existing landfill is located adjacent to the Arctic Village airport. The buffer requirements for airport safety are not sufficient. The FAA and DOTPF representatives agreed that the landfill is too close to the end of the runway. If the landfill is not relocated it will continue to threaten air safety practices at Arctic Village. The existing landfill is also located adjacent to a lake and the Chandalar River. The landfill does not have any barrier to prevent leachate from entering the ground water, surrounding lakes, and the Chandalar River.

Cost Estimated By:

Steven R. Pannone, P. E.

ASCG, Inc.

267-6267

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Arctic Village Council

Landfill Feasibility Study

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: Yes
Is this a phased project: Yes

Administration: \$5,000
Engineer/Inspect: \$45,000
Construction:
Equipment:
Other:
Total: \$50,000

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Raymond Tritt

P. O. Box 22059

Arctic Village 99722

587-5328

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 40
Local Budget Priority: One
Population Served: 115

Community: Atka, City of
Project Title: Sanitation Improvement Study
Appropriation Requested: \$155,000

Project Description:

This project will complete the system needs assessments, cost and materials estimate, operations and maintenance estimates and preliminary design and engineering for the water and sewer system in the Aleutian Islands community of Atka. This study will enable the community to pursue funding to remove deficiencies and expand the system to meet the needs of the community.

Project Need:

PHS installed the existing system in 1978 to the older part of town and extended in 1982 to a new housing area. 1. The wood reservoir dam is deteriorating. Collapsing embankments cause soil and silts to migrate into the system affecting treatment equipment. In August, 1998 the dam suffered additional damage from a period of extended rain requiring temporary repairs. 2. Water storage and treatment are insufficient to support the needs of the seafood processing plant, the community and fight fires. 3. Corroded and leaking galvanized metal connections from WWII cause water loss and poor pressure to residences in the old village. 4. There is no septic system in the old village. Sewage is not treated prior to discharge into the bay by outfall lines. Facilities are 20 years old and deteriorating. A health and safety hazard exists in that households may be getting untreated water due to insufficient storage capacity for treated water.

Cost Estimated By:

Lynn Marino, P. E.

ADEC-VSW

Engineer

269-7602

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Atka, City of

Sanitation Improvement Study

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

Administration:

Engineer/Inspect: \$150,000

Construction:

Equipment:

Other: \$5,000

Total: \$155,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: No

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: No

Julie Dirks

P.O. Box 765

Unalaska 99685

581-6226

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39

Local Budget Priority:

Population Served: 260

Community: Atmautluak, Village of

Project Title: Sanitation Facilities Master Plan

Appropriation Requested: \$150,000

Project Description:

The Facilities Master Plan will establish a plan based on a comprehensive engineering evaluation of future water, sewer, and solid waste needs and alternative approaches toward meeting these needs. The plan will be prepared by an engineering firm hired by the village and will develop a phased approach toward funding and construction requirements over a 20 year period. Atmautluak's need for a master plan is especially noteworthy due to the fact that it currently has significant sanitation needs and lacks piped water and sewage disposal service as well as an ADEC permitted landfill.

Project Need:

The community lacks a comprehensive plan toward developing sanitation facilities. The current water haul and honey bucket sewage systems provide only marginal levels of sanitation service to the village. The honey bucket haul system poses inherent health risks to the community through the spread of human waste pollution during disposal. The existing solid waste site is at capacity and overflowing and poses both a health risk and pollution hazard to the community. Without developing a master plan, inefficient use of resources to develop the community's infrastructure and sanitation facilities may likely occur.

Cost Estimated By:

Denman Ondelacy

US PHS

729-3530

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Atmautluak, Village of

Sanitation Facilities Master Plan

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration:
Engineer/Inspect: \$150,000
Construction:
Equipment:
Other:
Total: \$150,000

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 No

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

Henry Stone
General Delivery
Atmautluak 99559
553-5610

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 235

Community: Atkasuk, City of & NSB
Project Title: Service Connections
Appropriation Requested: \$753,000

Project Description:

Project will provide plumbing upgrades to residences to allow hookup to water and sewer distribution and collection systems under development.

- A. Adding plumbing and fixtures to residences without these services.
- B. Upgrading vent, waste and water lines to code.
- C. Adding prefabricated toilet room modules to residences that cannot accommodate conventional toilets and sinks.
- D. Other related improvements necessary to accomplish plumbing upgrades.

Project Need:

An insufficient number of residences possess adequate plumbing facilities to hook up and utilize the water and sewer systems being installed. This places the new systems at risk, crippling the hydraulic and thermal integrity of the sewer mains. Currently many plumbing drains discharge gray water directly to the ground beneath the dwellings, collecting in pools which children play in, or is left to be absorbed or frozen. Most honey bucket users are without adequate bathing facilities or hand sinks. Water is often reused for handwashing several times by family members, promoting conditions for spread of water born disease. Honey bucket trucks often leak refuse on the roads as they collect buckets from homes, further causing health risks. Project funding would allow a managed plumbing upgrade program to occur, allowing the collection/distribution system startups in a scheduled and controlled basis.

Cost Estimated By:

Jeff Baker

NSB CIPM - Anchorage Office

561-6605

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Atqasuk, City of & NSB

Service Connections

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

Administration: \$26,660

Engineer/Inspect: \$75,080

Construction: \$620,000

Equipment:

Other: \$31,260

Total: \$753,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

Herman Kignak, Sr.

P.O.Box 69

Barrow

99723

852-2611

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 125

Community: Beaver Village Council
Project Title: Washeteria/Water Treatment Plant Upgrade
Appropriation Requested: \$318,700

Project Description:

The Beaver Village Council is seeking to improve and expand the community washeteria.. The washeteria mechanical room, treatment plant and storage facilities were sized to meet current demand during the rehabilitation in 1990. The population has increased by 25 percent since then and facilities need upgrades to meet demands and provide a higher quality finished water. product. The current water plant is sized to treat 10 gpm while the new water source can now provide 20-25 gpm.. More treatment and storage capacity is needed to meet growing local demand . Current water use is limited by the high iron content of the treated water. A federal grant is currently underway to improve and expand the washeteria public room laundry and shower facilities. This funding request to improve the washeteria mechanical and water systems is in support of the current federal project.

Project Need:

This project is needed to supplement the washeteria public room services expansion and ADA access upgrades Current mechanical and water systems are not sufficient to meet new requirements. The building foundation is currently sagging under the load of existing facilities. Deflections in the floor of up to two inches have been measured in the mechanical room. An analysis of the existing foundation with follow-on repairs and improvements or the relocation of the mechanical and/or water treatment system components will be required.

Cost Estimated By:

Steven M. Weaver, PE

ASCG, Inc.

267-6388

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Beaver Village Council

Washeteria/Water Treatment Plant
Upgrade

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: No
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$5,000
Engineer/Inspect:	\$45,000
Construction:	\$268,700
Equipment:	
Other:	
Total:	\$318,700

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 375,000

Source: PHS

**Date
Received:** 1996

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Bob Winer

P. O. Box 24029

Beaver **99724**

628-6123

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 5,463

Community: Bethel, City of
Project Title: Water and Wastewater
Improvements - Phase II
Appropriation Requested: \$3,000,000

Project Description:

Construct the eastern half of Area 1-A piped water and sewer lines in accordance with COB Master Water and Sanitary Plan of July 9, 1996. Construct the northern half of Area 1-B water and sewer lines and convert honey bucket services to hauled services in Area 1-C and E of the Master Plan.

Project Need:

This project is needed to satisfy the requirement of the City Council and citizens to have the City provide safe and sanitary water, sewer and solid waste systems to ensure a healthy living environment.

Cost Estimated By:

Stuart N. Robinson

City of Bethel

543-2297

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Bethel, City of

Water and Wastewater Improvements -
Phase II

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$480,000
Engineer/Inspect:	\$150,000
Construction:	\$630,000
Equipment:	\$1,050,000
Other:	\$690,000
Total:	\$3,000,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: Yes
Amount: 9,000,000
Source: US EPA
Date
Received: 93-98

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Robert Herron
P.O.Box 388
Bethel 99559
543-2297

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 25

Local Budget Priority:

Population Served:

Community: Birch Creek (Denduu Tribal Cncl.)

Project Title: Water Stor. Tank, Sewage Lift Sta.,
Water Plant Upgrades, Gen. Bldg.

Appropriation Requested: \$1,656,000

Project Description:

This project will fund:

1. 150,000 gallon bolted steel, insulated water tank,
2. Wet well/dry well duplex suction lift station for school and community hall
3. 300 ft long sewage force main.
4. Gravity sewer service lines for school and community hall.
5. Water treatment plant upgrades to comply with SWTR.
6. New generator building to allow relocation of existing generators from existing WTP to create room for SWTR upgrades at the WTP.

Project Need:

The existing WTP was built in 1977 with upgrades during 1987. The existing WTP does not comply with the SWTR. Community generators were installed into the WTP around 1980. The generators must be removed to create room for SWTR upgrades. The school and the community hall use an undersized drain field on poor soils that was built around 1980. The proposed lift station will route sewage to the new lagoon which is presently under construction.

Cost Estimated By:

Andy Meltzer, P.E.

US PHS

729-3544

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Birch Creek (Denduu Tribal Cncl.)

Water Stor. Tank, Sewage Lift Sta., Water
Plant Upgrades, Gen. Bldg.

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

Administration: \$15,000

Engineer/Inspect: \$80,000

Construction: \$1,431,000

Equipment: \$130,000

Other:

Total: \$1,656,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

No

Will federal money be used:

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: No

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified: 45,000

User Fee Ordinance Adopted: No

Winston James

P. O. Box KBC

Fort Yukon 99740

221-2211

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 290

Community: Brevig Mission, City of
Project Title: Water and Sewer Project - Ph III
Appropriation Requested: \$2,500,000

Project Description:

In 1996 a draft facility improvement plan was completed defining a phased 4-year construction program to eliminate the existing watering point/honey bucket service and install piped utilities. Ph 1 - '97 legislature appropriated \$2.5M w/additional \$.5M by Bering Straits Reg. Housing Authority to complete engineering design, purchase & mobilize construction equipment, construct a solid waste facility, construct interim water & sewer haul system for health clinic and perform a hydro-geological study . Ph. 2 - '98 Legislature appropriated \$2.0 to construct waterline improvements, septic tanks sewer main and drain field, well and well house improvements and build a water treatment plant. Ph 3 - This project would fund construction of a community wide gravity waste water collection system and part of the piped water distribution system. This project will allow us to utilize previously constructed improvements.

Project Need:

The public health hazards associated with 280 people living in close proximity and using honey buckets is obvious and well documented. We have had many well documented public health episodes.

Cost Estimated By:

Chuck Eggener, P. E.
CE2 Engineers, Inc.
Engineer
349-1010

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Brevig Mission, City of

Water and Sewer Project - Ph III

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes

Feasibility Plan: Yes

Comprehensive Study: Yes

Is this a phased project: Yes

Administration: \$50,000

Engineer/Inspect: \$100,000

Construction: \$2,350,000

Equipment:

Other:

Total: \$2,500,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 500,000

Source: BSRHA

Date

Received: 1997

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

Warren S. Rock, Sr.

P. O. Box 85021

Brevig Mission 99785

642-3851

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 430

Community: Buckland, City of
Project Title: Environmental Infrastructure Improvements
Appropriation Requested: \$3,000,000

Project Description:

1. Improved water intake and transmission line, treatment system upgrade.
2. This project: Improve tundra pond to receive sewage, pump station and transmission line, sanitize and fill existing lagoon, increase heating plant.
3. Improve sewage collection and water distribution system, flood-proof system and access corridors, increase storage capacity.
4. Upgrade house plumbing.

Project Need:

1. Eliminate honey bucket use - reduce expense to raw sewage from: honey buckets, sewage storage tank leaks, and in-town lagoon outfall and overflows.
2. Reduce cost of producing treated water.
3. Increase access to treated water.
4. Coordinate village infrastructure improvements.

Cost Estimated By:

David Williams

US Army Corps of Engineers

753-5621

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Buckland, City of

Environmental Infrastructure
Improvements

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$50,000
Engineer/Inspect:	\$350,000
Construction:	\$2,500,000
Equipment:	\$100,000
Other:	
Total:	\$3,000,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: Yes
Amount: 4,500,000
Source: US Corps of
Engineers
Date
Received: FY98

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Darlene B. Hadley
P. O. Box 49
Buckland 99727
494-2121 or 494-2128

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 90

Community: Chalkyitsik, City of
Project Title: Water and Sewer Study
Appropriation Requested: \$50,000

Project Description:

This project will fund a planning study for a long term plan to hook up water and sewer in Chalkyitsik.

Project Need:

Cost Estimated By:

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Chalkyitsik, City of

Water and Sewer Study

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration:
Engineer/Inspect: \$50,000
Construction:
Equipment:
Other: \$0
Total: \$50,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

 Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance:
O & M Costs Identified: No
User Fee Ordinance Adopted: No

Tamara Joseph
P. O. Box 57
Chalkyitsik 99788

848-8117

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 300

Community: Chevak, City of
Project Title: Water and Sewer Project - Final Phase
Appropriation Requested: \$3,400,000

Project Description:

This project will provide 1) plumbing inside 74 homes in Chevak. These homes are scheduled to receive water and sewer service lines under an IHS project (SDA Ph II). Each house will be plumbed with hot and cold running water to kitchen and bathroom fixtures, vacuum toilets, and shower/tub. 2) Additional vehicle pedestrian crossings will be constructed over the water mains, vacuum sewer mains, and fuel lines serving the North, South and East loops. 3) Additional fencing will be purchased and erected at the new Sewage Lagoon and Landfill sites. 4) Some funding will be used for cost overruns for the force main construction.

Project Need:

Endemic enteric diseases and impetigo exist and outbreaks of Hepatitis A have occurred in Chevak. Health authorities have shown a direct correlation between the incidence of these diseases and the level of water and sewer service in a community. Currently, no homes in Chevak are connected to a piped water/sewer system, and residents must haul water and sewage to and from their homes. Completion of this project in conjunction with another scheduled IHS funded project will provide community residents with the highest level of water and sewer service, and can prevent an epidemic and reduce disease incidence in the City of Chevak.

Cost Estimated By:

Bradley Harris, P, E.

IHS

729-3553

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Chevak, City of

Water and Sewer Project - Final Phase

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration: \$343,000
Engineer/Inspect: \$143,000
Construction: \$2,914,000
Equipment:
Other:
Total: \$3,400,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: Yes

Amount: 1.78 million

Source: IHS

Date AN98-L89

Received: 1998

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Greg Aloralrea

P. O. Box 136
331 Chevak Lake
Chevak

99563

858-7128

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 40

Local Budget Priority:

Population Served:

Community: Chignik, City of

Project Title: Water and Sewer System
Improvements

Appropriation Requested: \$1,680,000

Project Description:

This proposal is for a multi-phase sanitation improvement project. It involves:

- 1) sanitation master plan and engineering design,
- 2) constructing a new CT tank,
- 3) constructing a 2,500 ft equipment trail to the tank,
- 4) piping the new tank to the water source and the water treatment plant.

Project Need:

This phase will bring the Class A system into compliance with filtration and chlorine contact time requirements of the Surface Water Treatment Rule. The existing system presents a public health hazard because it inadequately disinfects the potable water supply for the city. On December 18, 1996, DEC stated that "the Chignik water treatment filtration system, installed in 1986, does not meet today's Surface Water Treatment Rule requirement."

Cost Estimated By:

Don Braun and Randy L. Muth

City of Chignik and US PHS

749-2280 and 729-3547

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Chignik, City of

Water and Sewer System Improvements

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration: \$80,000
Engineer/Inspect: \$150,000
Construction: \$1,350,000
Equipment: \$100,000
Other:
Total: \$1,680,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: Yes
Amount: 140,000 460,000
Source: IHS IHS
Date
Received: 1993 1994

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Don Braun
P. O. Box 110
Chignik 99564
749-2280 Fax: 749-2300

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 40

Local Budget Priority:

Population Served: 300

Community: Chignik Lagoon, Native Village of
Project Title: PowerStat Utility Meters

Appropriation Requested: \$115,000

Project Description:

This project will fund the last phase of water and sewer improvements. The project will install a "turn key" pay-as-you-go utility payment system, which will provide the means of ensuring adequate collection of monies to operate and maintain the village's new water, sewer and solid waste facilities. The "turn-key" installations will incorporate all costs associated with the supply and installation of 75 PowerStat systems. The PowerStat system will be used in conjunction with collections for electric utility services provided by Village Electric Company. The traditional kWh electric meter used on each service is replaced by an integrated system comprised of a modified kWh meter, firmware, disconnect switch and card reader/status display which is located inside each residence. Fixed monthly fees for water, sewer, and solid waste are converted by the systems into a daily fee. For example, a \$30.00 water fee becomes \$1.00 per day charge. Every 24 hours, \$1 is deducted from the money remaining in the customer's display.

Project Need:

The Village of Chignik Lagoon has a chronic and on-going problem generating enough revenue to meet operating and maintenance costs for the existing utility system. This has largely been due to the inability of local managers to enforce collection policies on a consistent and equitable basis. Within a short period of time following installation of the new systems, the community may be unable to carry out critical preventive maintenance procedures and repair functions if collections aren't recovered. This, the integrity of the system is comprised and its useful life diminished. The installation of the PowerStat meters will greatly enhance the community's ability to collect user fees.

Cost Estimated By:

Randy L. Muth

US PHS

729-3547

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Chignik Lagoon, Native Village of

PowerStat Utility Meters

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration: \$5,000
Engineer/Inspect:
Construction: \$30,000
Equipment: \$80,000
Other:
Total: \$115,000

Community Resclution passed
requesting money through VSW and
indicating a priority?

No

Will federal money be used: Yes

Amount: 35,000

Source: Compacting
Date fees

Received: 1999

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Angela Gregorio

P. O. Box 57

Chignik Lagoon 99565

840-2281 Fax:
840-2217

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 35
Local Budget Priority: One
Population Served: 200'

Community: Chignik Lake, Native Village of
Project Title: Water Improvements
Appropriation Requested: \$590,000

Project Description:

This project will fund Phase II of a multi-phase sanitation project. The project involves the:

- 1) construction of a new 150,000 gallon water storage tank,
- 2) water transmission main from the new storage tank to the existing water source and water treatment plant,
- 3) replacement of the existing well pump and controls,
- 4) replacement of the existing chemical treatment equipment,
- 5) site work to eliminate flooding around the well head and water treatment plant.

Project Need:

A recent assessment by the PHS engineer revealed that the existing wood stave water storage tank is no longer functional. Due to the loss of head pressure provided by the storage tank, the water distribution system is currently pressurized by the continuous operation of the submersible well pump. This operation sequence creates intermittent flows in the distribution system, making chemical treatment hazardous and impractical. The chemical pumps have been removed from the submersible well pump produces premature failure of the pumps (requires 2 new pumps per year). Electrical breakers are frequently tripped, causing supply interruptions, and frequent loss of pressure produces a high potential for backflow into the distribution system. The current operation poses numerous public health threats, provides minimal fire protection and is an unreliable water supply to the community.

Cost Estimated By:

Randy L. Muth

US PHS

729-3547

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Chignik Lake, Native Village of

Water Improvements

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$30,000
Engineer/Inspect:	\$65,000
Construction:	\$165,000
Equipment:	\$330,000
Other:	
Total:	\$590,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Annette Takak

P. O. Box 33

Chignik Lake

99548

845-2212 Fax 845-2217

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 120

Community: Chitina
Project Title: Master Sanitation Utility Plan
Appropriation Requested: \$125,000

Project Description:

To furnish the neighboring non-Native community and Native village of Chitina with a responsible and practical, comprehensive strategic and implementation master sanitation utility plan for the water, sewer, and solid waste deficiencies that have been identified in earlier studies and surveys.

Project Need:

In February, 1991 and November, 1998 the DEC-VSW program released sanitation feasibility and solid waste management studies for Chitina. Since the studies, the environmental conditions have drastically declined due to the economic growth in Chitina. Fisheries, logging, and tourism, along with an increase in the number of local businesses have impacted the area. Future proposed developments that will create additional hardships for the environment and the community are the reconstruction of the McCarthy Road corridor, gateway to the Wrangell-St. Elias National Park and the Kennicott Copper Mine, and the Copper River Trail from Chitina to Cordova. With current and future growth, the exact impact or effect demanded of the ecosystem and environment of this once diminutive community is unclear.

Cost Estimated By:

Ike Waits

DCRA

269-4500

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Chitina

Master Sanitation Utility Plan

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration:
Engineer/Inspect:
Construction:
Equipment:
Other: \$125,000
Total: \$125,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: No
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: No

Jeff Doty
P. O. Box 31
Chitina 99566
823-2215

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 118

Community: Chuathbaluk, City of
Project Title: Master Utility Plan
Appropriation Requested: \$125,000

Project Description:

The City of Chuathbaluk needs a project to evaluate our alternatives to provide water, sewerage, and solid waste disposal. The project would evaluate engineering, operational and management alternatives. The plan would recommend solutions for the community to consider.

Project Need:

The community is on honey buckets. Raw sewage is currently going into a stream in the middle of the community that our children play in. Residents have to haul drinking water over a mile, in buckets. The school is the only source of drinking water. Past failure of septic tanks resulted in open pit dumping of sewage. Poor soils and hard water requires better planning and engineering to solve these problems.

Cost Estimated By:

Mike Black

DCRA

269-4564

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Chuathbaluk, City of

Master Utility Plan

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect:
Construction:
Equipment:
Other: \$125,000
Total: \$125,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

E. W. Wester
P. O. Box CHU
Chuathbaluk 99557
467-4115

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 5
Local Budget Priority: One
Population Served: 255

Community: Coffman Cove, City of
Project Title: Water and Sewer
Appropriation Requested: \$1,422,000

Project Description:

This is a multi-year project to construct a new piped water and sewer system for the City of Coffman Cove. This funding request will finance construction of a new water treatment plant and a piped water distribution system in Subdivision 1.

Project Need:

ADEC has issued Coffman Cove notice that we must comply with the surface water regulations. This phase will correct the problem by building a new water treatment facility. At present there is no filtration and Giardia is present.

Cost Estimated By:

Kurt Egelhofer

ADEC-VSW

Engineer

269-7601

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Coffman Cove, City of

Water and Sewer

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$52,000
Construction: \$1,370,000
Equipment:
Other:
Total: \$1,422,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Vanessa Rodriquez
P. O. Box 18135
Coffman Cove 99918
329-2233 Fax 329-2212

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 1,000

Community: Copper Center Community
Project Title: Septic Project
Appropriation Requested: \$49,500

Project Description:

We are building a gymnasium on a lot which already has the Headstart preschool and Health Clinic with their existing septic systems. The engineers working with us recommend putting in one sewer system to service all three buildings and meet the septic regulations. Phase I of this project is construction of the gymnasium. Phase II is scheduled for summer of 1999.

Project Need:

If we don't put in a system that will serve all three buildings, then the septic system and drain field (10,000 sq. ft.) for just the Gym will be within 150 feet of the water well for the Health Clinic. Regulations state that septic systems for buildings of this size must be at least 250 feet from water wells.

Cost Estimated By:

Scott Matthews

Larsen Engineering, Anchorage

243-8985

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 112

Community: Crooked Creek
Project Title: Master Plan
Appropriation Requested: \$175,000

Project Description:

This project will provide a master plan. The master plan will provide a detailed topographic aerial map for preparation of construction plans, determine feasible options for providing water and sewer service to the homes in Crooked Creek and will evaluate each option in terms of construction cost and operating costs. Community involvement will be an essential part of this planning effort. Water, sewer, solid waste and energy needs will be addressed in this plan.

Project Need:

Only 3 out of 48 homes in Crooked Creek have their own water and sewer hooked up and this plan will provide the basis for solving the water and sewer problems. It will also ensure community support for facilities which may be provided.

Cost Estimated By:

Eric R. Lehan, P. E.

USPHS

Engineer

729-3554

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Crooked Creek

Master Plan

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:
Feasibility Plan:
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$8,750
Engineer/Inspect:	\$166,250
Construction:	\$0
Equipment:	\$0
Other:	\$0
Total:	\$175,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator:
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

Madrona Sakar

P. O. Box 69

Crooked Creek

99575

432-2200

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 160

Community: Deering, City of
Project Title: Water Treatment Plant with Washeteria
Appropriation Requested: \$1,340,000

Project Description:

This project will construct a water treatment plant with a public use complex. It will include a washeteria and match for relocating public facilities within the area of mitigating archaeology fieldwork as outlined in the programmatic agreement for 1998 construction season

Project Need:

Corrective action to reduce the levels of TOC within the existing facility is a challenge which includes monitoring and engineer review of mechanisms to reduce the TOC levels. Posted signs exist informing people utilizing this source of water for drinking that the water should be filtered with a Britta or similar type pitcher as recommended by Northern Testing Labs, Inc. The washeteria is deteriorating and requires replacement.

Cost Estimated By:

Dave Cramer and Jordan Suhr
Summit Consulting and Montgomery Watson
291-2339 and 248-8883

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Deering, City of

Water Treatment Plant with Washeteria

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:
Feasibility Plan:
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$25,000
Engineer/Inspect:	\$230,000
Construction:	\$935,000
Equipment:	\$150,000
Other:	
Total:	\$1,340,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Will federal money be used:	Yes	
Amount:	1,200,000	600,000
Source:	EPA	USDA-RDA
Date		
Received:	FY98	FY97

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Ruth M. Moto
P. O. Box 36049
Deering 99736
363-2136 or 363-2157

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 174

Community: Diomedes, City of
Project Title: Water Project
Appropriation Requested: \$2,000,000

Project Description:

The project will provide for improvements to the water catchment infrastructure to improve water catchment capability, regrade the existing HDPE raw water transmission line, replace pressure break tank with a PRV valve, and construct a 600,000 gallon bolted steel water tank.

Project Need:

The community of Diomedes is served by a fill and dry water system with water storage capacity that is seriously undersized. Each March when the existing water storage is depleted, the City is forced to close its washeteria and the community is required to ration water. The community is forced to use other traditional water sources that are untreated and potentially harmful. During periods of low water supply there is clear evidence of its effects with numerous reports of gastrointestinal diseases, scabies and other diseases that are related to the use of more traditional and untreated water supplies.

Cost Estimated By:

Costello/ Golder Associates

ANTHC

729-3534

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Diomedes, City of

Water Project

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$300,000
Engineer/Inspect:	\$25,000
Construction:	\$1,480,000
Equipment:	\$75,000
Other:	\$120,000
Total:	\$2,000,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Frances Ozenna

P. O. Box 7039

Diomedes **99762**

686-3071

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 50

Community: Eagle Village
Project Title: Planning and Feasibility Study for
Community Sanitation Facilities
Appropriation Requested: \$75,000

Project Description:

This project will assist in making the final decisions on whether to move Eagle Village to a new location. Erosion to the Yukon River bank caused by ice breakup and flooding has made the front road to Eagle Village nearly impassible. The community has sustained significant flood damage and funding for new homes has been denied. The current location in a flood plain and permafrost has made past attempts to bring sanitation facilities to Eagle Village impossible. A new site above Eagle Village has had five homes completed in 1998. It is anticipated that other homes will be constructed in this area. The planning and feasibility study will determine where water sources are, where a new watering point could be erected, as well as other options for developing a new community site.

Project Need:

Without doing a comprehensive feasibility study and long range planning, it would be unlikely that Eagle Village would be considered for future funding for sanitation facilities. In order for Tribal members to encourage the return of other members of the Tribe, especially younger members and their families, there must be infrastructure development as well as the potential for economic growth.

Cost Estimated By:

Julie Burton

Tanana Chiefs Conference

452-8251

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Eagle Village

Planning and Feasibility Study for
Community Sanitation Facilities

PLANNING COMPLETED

PROJECT COSTS

<p>Plans & Specifications: No</p> <p>Feasibility Plan: No</p> <p>Comprehensive Study: No</p> <p>Is this a phased project: Yes</p>	<p>Administration:</p> <p>Engineer/Inspect: \$75,000</p> <p>Construction:</p> <p>Equipment:</p> <p>Other:</p> <p>Total: \$75,000</p>
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<p style="text-align: center;">Community Resolution passed requesting money through VSW and indicating a priority?</p> <p style="text-align: center;">Yes</p>	<p>Will federal money be used: No</p> <p>Amount:</p> <p>Source:</p> <p>Date</p> <p>Received:</p>
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**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

<p>Trained Operator: Yes</p> <p>Certified Primary Operator: Yes</p> <p>Certified Backup Operator: No</p> <p>Drinking Water Compliance: no</p> <p>O & M Costs Identified: No</p> <p>User Fee Ordinance Adopted: No</p>	<p>Joanne Beck</p> <p>P.O. Box 19</p> <p>Eagle 99738</p> <p>883-3504</p>
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**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 327

Community: Eek, City of
Project Title: Water and Sewer
Appropriation Requested: \$1,369,000

Project Description:

This project proposes to provide the city with a new washeteria, water treatment plant, sewage disposal lagoon serving the washeteria and LKSD school, a 100,000 gallon water storage tank, a 1,200 foot water transmission line, a 260 foot sewer main, provision of vehicles to haul honey buckets and solid waste, tools, and equipment and supplies to operate and maintain the facilities. This application is for funding to supplement existing funding and to ensure completion of construction of all the facilities.

Project Need:

This project is needed to alleviate health hazards related to the handling and disposal of human and solid wastes by individual homeowners. In addition, the project will ensure a reliable water supply to the community by replacing the existing water storage tank and washeteria/WTP which are experiencing failure of their foundations.

Cost Estimated By:

Dan Boccia, P. E.
US PHS
Field Engineer
1-800-560-8537 ext. 3552

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Eek, City of

Water and Sewer

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration: .
Engineer/Inspect:
Construction: \$1,369,000
Equipment:
Other:
Total: \$1,369,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 286,677 1,952,072
Source: AVCP/HUD IHS
Date
Received: 1993 1993-95

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted:

COMMUNITY CONTACT

Fritz Petluska
P. O. Box 009
Eek **99578**
536-5129

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 40
Local Budget Priority: Yes
Population Served: 133+

Community: Egegik, City of
Project Title: Ph II Water and Sewer Improvement Project
Appropriation Requested: \$1,236,000

Project Description:

Phase II would serve northwest and River Road parts of Egegik, (all on the south side of the Egegik River). Ph. II would include construction of 3,700 feet of water main; 2,300 feet of gravity sewer main, a sewage lift station; and 2,050 feet of sewer force main. Twenty-four residences would be hooked up to community water and twenty one residences to community sewer. Two residences would be provided with on-site waste water disposal. The project will provide water and sewer system services to all residences currently without such services, of the old village area in Egegik.

Project Need:

The project removes a confirmed health hazard by eliminating honey buckets and totes used as sewage containers from 117 residences (9 of which are in the densely populated northwest section of town. The project eliminates usage of above-ground garden hoses which now supply fresh water to 22 residences, 6 of which receive hose water from an outlet in a sewer pump station. There is an ever-present health hazard situation in that the human excrement being pumped over the river bluff from honey buckets and sewage totes, will transmit disease causing an epidemic. Moreover, the danger of concentrated bacteria (through continued use of garden hoses) contaminating the freshwater flowing from house to house, via the hoses, is an ongoing health hazard that only can be corrected permanently through construction of the Phase II project. If nothing is done, the population will be in high risk of contracting serious disease.

Cost Estimated By:

Doug Poage

ADEC-VSW

Project Manager

269-7612

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Egegik, City of

Ph II Water and Sewer Improvement
Project

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:	No
Feasibility Plan:	Yes
Comprehensive Study:	Yes
Is this a phased project:	Yes

Administration:	\$0
Engineer/Inspect:	\$122,600
Construction:	\$1,113,400
Equipment:	\$0
Other:	\$0
Total:	\$1,236,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 1,683,000

Source: PHS (Ph I)

Date

Received: 1999

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator:	Yes
Certified Primary Operator:	Yes
Certified Backup Operator:	
Drinking Water Compliance:	Yes
O & M Costs Identified:	
User Fee Ordinance Adopted:	Yes

John Purcell

P. O. Box 189

Egegik **99579**

233-2400

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 5
Local Budget Priority: One
Population Served: 40-300

Community: Elfin Cove, Community of
Project Title: Water Facility and Construction
Appropriation Requested: \$443,000

Project Description:

A water collection, storage, treatment and distribution system.

Project Need:

A recently completed feasibility study documents that the community's drinking water source is a dilapidated surface water catchment pond that consistently exhibits fecal coliform bacteria contamination. The existing system provides no treatment and as a result a significant health hazard exists for residents and visitors to contract giardiasis or other water-borne viral disease. In September, 1997, two cases of giardiasis were confirmed in a letter from the Department of Health and Social Services.

Cost Estimated By:

Roger Burleigh

ADEC-VSW

Engineer

269-7607

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Elfin Cove, Community of

Water Facility and Construction

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration: \$5,000
Engineer/Inspect: \$31,000
Construction: \$367,000
Equipment: \$40,000
Other:
Total: \$443,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: No
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Jim Benton
P. O. Box 1
Elfin Cove 99825
239-2205

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38

Local Budget Priority: One

Population Served: 306

Community: Elim, City of

Project Title: Water Source and Transmissic.n Line

Appropriation Requested: \$1,004,000

Project Description:

This project will fund the following:

1. Locate a new well (water source) and build a pump house.
- 2) Build a transmission line from new well to water treatment plant, with power system and controls.
- 3) Tie in 6 new homes.

Project Need:

The project is needed to correct the water shortage problem. If this problem is not corrected the community will not be able to use toilets and the water source will run out in mid-winter.

Cost Estimated By:

Kelly Leseman

US PHS

729-3551

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Elim, City of

Water Source and Transmission Line

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
is this a phased project: Yes

PROJECT COSTS

Administration:	\$90,500
Engineer/Inspect:	\$38,500
Construction:	\$723,000
Equipment:	\$38,000
Other:	\$114,000
Total:	\$1,004,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes	
Amount:	313,456	186,126
Source:	HUD	HUD
Date		
Received:	1998	1999

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Luther Nagaruk
P. O. Box 39009
Elim **99739**
890-3441

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 100

Community: Evansville
Project Title: Sanitation Feasibility Study
Appropriation Requested: \$85,000

Project Description:

This project will study the needs for sanitation that will include water, sewer, solid waste and liquid waste. It will collect data, study alternatives and develop a plan to address sanitation needs and management.

Project Need:

A feasibility study is needed to compile data, information and develop a plan to ensure that sanitation needs will be addressed appropriately. The study is needed to ensure the appropriate projects are selected to remove and manage health risks in the village as documented in 1997 by a field environmental health specialist.

Cost Estimated By:

Tina Altstatt

ADEC-VSW

Engineer

269-7613

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Evansville

Sanitation Feasibility Study

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration: \$5,000
Engineer/Inspect: \$80,000
Construction:
Equipment:
Other:
Total: \$85,000

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator:
Certified Backup Operator:
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

Naomi Costello
P.O.Box 26087
Bettles Field 99726

692-5005

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 240
homes

Community: Fort Yukon, City of
Project Title: Sewer Project
Appropriation Requested: \$900,000

Project Description:

This project will construct a gravity type sewer system with lift stations covering approximately 250 residents and businesses. This system will provide the proper sanitation disposal and replace the present system of overflowing septic tanks, out houses and honey buckets.

Project Need:

This project would correct existing pollution from overflowing septic tanks on the ground, in homes and streets. If the project is not completed, a health hazard could develop.

Cost Estimated By:

City of Fort Yukon

662-2429

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Fort Yukon, City of

Sewer Project

PLANNING COMPLETED

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

PROJECT COSTS

Administration:	\$98,100
Engineer/Inspect:	\$160,200
Construction:	\$562,500
Equipment:	\$70,200
Other:	\$9,000
Total:	\$900,000

Community Resolution passed requesting money through VSW and indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Richard Carroll

P. O. Box 269

Ft. Yukon 99740

662-2439 or 2479

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 550

Community: Galena, City of
Project Title: Water and Sewer Expansion
Appropriation Requested: \$800,000

Project Description:

Water System Expansion: Add approximately 10,000 feet to the existing piped water to serve those now using holding tanks or hauling water from the watering point. Install water plant modifications to accommodate the new water line.

Sewer System Improvement: Provide for safe disposal of wastewater for those currently using honey buckets or outhouses by constructing septic tanks with leach fields or holding tanks to be pumped and hauled by the city.

Project Need:

According to a 1997 survey, 20 percent of Galena's residential units do not have indoor plumbing. 38 use honey buckets and 13 use outhouses for waste disposal. 61 units must carry drinking water. Some residences have water tanks, but sewage is discharged on the ground. Galena is in a flood plain and this creates both an environmental and health hazard.

Cost Estimated By:

Marvin Yoder; Russ Sweetsir, Bill Griffith, Dan Williams
City of Galena; Sweetsir Constr.; TCC; PHS

656-1301

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Galena, City of

Water and Sewer Expansion

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

Administration: \$25,000

Engineer/Inspect: \$50,000

Construction: \$550,000

Equipment: \$75,000

Other: \$100,000

Total: \$800,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 675,000

Source: PHS

Date

Received: 1998

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted: Yes

Marvin Yoder

P. O. Box 149

Galena 99741-0149

656-1301

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: On e
Population Served: 700

Community: Gambell, City of
Project Title: Water Feasibility Study
Appropriation Requested: \$500,000

Project Description:

The City relies on a single shallow water well with a sustained yield of 22 gpm for the entire community. Population growth and increased demand from utility customers is putting a strain on the water source. Trace amounts of diesel range organics have been reported in the groundwater near the water well by military clean-up crews. Hydrogeologists have indicated the City could run out of water in March and April of a dry year. Running out of water would result in freeze-up of the multi-million dollar water distribution system. The City needs a study to locate another, higher capacity water source. This project will fund the engineering, hydrogeologic and geophysical studies to locate and develop a suitable water source for the community.

Project Need:

This project is needed to protect the existing state and federal investment in the community's water system which protects the health of the existing utility customers. It will also provide sufficient water to allow the distribution system to be extended into the old town area, providing improved sanitation for 150 plus residents. It will also provide for the future growth of the community and stimulate development of tourism and other economic activities. This project will also hook up the 37 homes who are still using the open landfill to dump human waste, thereby risking spread of microbes to our nearby subsistence activities.

Cost Estimated By:

Chuck Eggener, P. E.

CE2 Engineers

Engineer

349-1010

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Gambell, City of

Water Feasibility Study

PLANNING COMPLETED

PROJECT COSTS

<p>Plans & Specifications:</p> <p>Feasibility Plan:</p> <p>Comprehensive Study:</p> <p>Is this a phased project: Yes</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Administration:</td> <td style="text-align: right; padding: 2px;">\$10,000</td> </tr> <tr> <td style="padding: 2px;">Engineer/Inspect:</td> <td style="text-align: right; padding: 2px;">\$250,000</td> </tr> <tr> <td style="padding: 2px;">Construction:</td> <td style="text-align: right; padding: 2px;">\$240,000</td> </tr> <tr> <td style="padding: 2px;">Equipment:</td> <td></td> </tr> <tr> <td style="padding: 2px;">Other:</td> <td></td> </tr> <tr> <td style="padding: 2px;">Total:</td> <td style="text-align: right; padding: 2px;">\$500,000</td> </tr> </table>	Administration:	\$10,000	Engineer/Inspect:	\$250,000	Construction:	\$240,000	Equipment:		Other:		Total:	\$500,000
Administration:	\$10,000												
Engineer/Inspect:	\$250,000												
Construction:	\$240,000												
Equipment:													
Other:													
Total:	\$500,000												

<p style="text-align: center;">Community Resolution passed requesting money through VSW and indicating a priority?</p> <p style="text-align: center;">Yes</p>	<p>Will federal money be used:</p> <p>Amount:</p> <p>Source:</p> <p>Date</p> <p>Received:</p>
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**OPERATION & MAINTENANCE
 COMMITMENT**

COMMUNITY CONTACT

<p>Trained Operator: Yes</p> <p>Certified Primary Operator: Yes</p> <p>Certified Backup Operator: no</p> <p>Drinking Water Compliance: Yes</p> <p>O & M Costs Identified: No</p> <p>User Fee Ordinance Adopted: Yes</p>	<p>Preston Apangalook or Aaron Iworrigan P. O. Box 189</p> <p>Gambell 99742</p> <p>985-5521</p>
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**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: Yes
Population Served: 165

Community: Golovin, City of
Project Title: Piped water and sewer
Appropriation Requested: \$1,850,000

Project Description:

This project will provide the first piped water and sewer utilities to serve about 30 homes in Golovin. Presently, a comprehensive Water and Sewer Master Plan is being developed and is expected to be completed by January, 1999. Based on preliminary layouts of piped utilities and related facilities or infrastructure in the plan, this project will provide water circulating loops and gravity sewer services to about 85 inhabitants in the original town sites. This project conforms with the logical and economical construction phases as outlined in the Master Plan in accordance with the community's priorities.

Project Need:

This project will improve the level of water and sewer services to its residents by doing away with hauling water (self-hauled or trucked by City), collecting rain water, overflowing pit privies, and handling honey buckets. Septic systems have been used in Golovin but with very limited success, mostly due to drain field failures. A household survey was conducted September 1998 as part of the master plan effort and it showed that many residents feel the current water and sewer systems have too many inherent risks of causing health problems (e.g. handling sewage waste and cleanliness/contamination potential of the water delivery system). This project will reduce those risks significantly.

Cost Estimated By:

Greg Magee, P. E.

Montgomerly Watson

Engineer

266-1115

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Golovin, City of

Piped water and sewer

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$30,000
Engineer/Inspect:	\$220,000
Construction:	\$1,600,000
Equipment:	
Other:	
Total:	\$1,850,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
Certified Primary Operator:
Certified Backup Operator:
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Katherine Punguk

P. O. Box 62059

Golovin **99762**

779-3211

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 125

Community: Gulkana
Project Title: Gulkana Village Master Plan
Appropriation Requested: \$150,000

Project Description:

This project will develop a master plan to determine the present needs and requirements for future expansion. Currently we are in the process of modernizing and replacing the water distribution system. Known problems exist in the sewer system. This master plan would map out the direction the village needs to go to help us effectively plan for the future.

Project Need:

A master plan is needed to guide the village efforts in maintaining and modernizing its water and sewer systems. Planning for expansion of services, and a course of corrective action needs to be designed to rectify problems in the sewer system such as collapsed lines, and faulty outfall discharge. Additional planning is needed to protect the water source.

Cost Estimated By:

Dan Williams

PHS

729-3500

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Gulkana

Gulkana Village Master Plan

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: no
Is this a phased project: Yes

Administration: \$15,000
Engineer/Inspect:
Construction:
Equipment:
Other: \$135,000
Total: \$150,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 5,000 5,000
Source: EPA (CRNA) EPA (CRNA)
Date
Received: 1999 2000

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Tad A. Kehl
P. O. Box 254
Gakona 99586

822-3746

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 50

Community: Healy Lake, Native Village
Project Title: Water, Sewer and Solid Waste
Master Plan
Appropriation Requested: \$100,000

Project Description:

This study will help determine how best to work with the community to serve individual homes with water and sewer systems. It will include long-term planning for the solid waste landfill.

Project Need:

Water and septic systems for each household would help prevent contamination of our drinking water and lake. The village sits on sloping ground at the lake's edge, so proper water and sewage management is imperative.

Cost Estimated By:

Gary L. Luke

Healy Lake Traditional Council

876-5018

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Healy Lake, Native Village

Water, Sewer and Solid Waste Master
Plan

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:	Administration:
Feasibility Plan:	Engineer/Inspect: \$98,000
Comprehensive Study:	Construction:
Is this a phased project: Yes	Equipment: \$2,000
	Other:
	Total: \$100,000

Community Resolution passed requesting money through VSW and indicating a priority?	Will federal money be used:
Yes	Amount:
	Source:
	Date
	Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes	Melissa Erickson
Certified Primary Operator: Yes	P. O. Box 60300
Certified Backup Operator: No	Healy Lake
Drinking Water Compliance: No	Fairbanks 99706
O & M Costs Identified: No	876-5018
User Fee Ordinance Adopted: No	

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 1,039

Community: Hooper Bay, City of
Project Title: Piped Water and Sewer
Appropriation Requested: \$1,950,000

Project Description:

This project will continue with the construction of a central utility building and supporting mechanical and electrical components. Specifically, this project will include the design and construction of a water transmission main from the old town well, a water storage tank, washeteria improvements, waste heat recovery system, vacuum sewer equipment, a honey bucket dump station, and a sewer force main.

Project Need:

The project is needed for many reasons. Public health is the most important because of the high incidence of human waste and pollution related illnesses in our community. It is common knowledge that hauling water and sewage is a major hazard. The next phase of this project is necessary to save the lives and health of our Village people.

Cost Estimated By:

Kurt Egelhofer

ADEC-VSW

Engineer

269-7601

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Hooper Bay, City of

Piped Water and Sewer

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

Administration:	\$20,000
Engineer/Inspect:	\$150,000
Construction:	\$1,780,000
Equipment:	
Other:	
Total:	\$1,950,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted: Yes

Ole Lake

P. O. Box 29

Hooper Bay 99604

758-4311

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 70

Community: Hughes, City of
Project Title: Landfill
Appropriation Requested: \$850,000

Project Description:

Design of sanitary landfill located 5,000 feet away from the community airstrip. Design of approximately one mile of access road to the landfill. Construction of the landfill including clearing, grading, stockpiling cover material, fence and gate construction.

Project Need:

Both health hazards and pollution potentials exist for Hughes due to its close vicinity to the existing unpermitted landfill (dump). The existing landfill is in the flood plain allowing water borne movement of refuse. Wind blown refuse can also be a problem. Foxes and other animals can be attracted to the nearby landfill and can present a potential health concern due to rabies.

Cost Estimated By:

David Yanoshek, P. E.
CRW Engineering Group
Engineer
562-3252

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Hughes, City of

Landfill

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$40,000
Engineer/Inspect:	\$260,000
Construction:	\$550,000
Equipment:	
Other:	
Total:	\$850,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes	
Amount:	40,000	225,000
Source:	EPA	TEA-21
Date Received:	1998	2002

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: no
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Thelma Nicholia
P. O. Box 45010
Hughes **99745**
562-3252

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served:

Community: Huslia, City of
Project Title: Water Treatment Plant
Appropriation Requested: \$1,150,000

Project Description:

This project will replace the water treatment plant, including replacing the building, foundation, mechanical equipment and the washeteria.

Project Need:

The water treatment plant has exceeded its design life. The building was completed in 1975 and the foundation is deteriorating, with leaks from the wall/floor connection. The roof also leaks. The system capacity has been exceeded in terms of the domestic supply circulation. Currently 72 homes are being served and are maximizing the current functional capability.

Cost Estimated By:

Derrick Garcia

US PHS

729-3539

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Huslia, City of

Water Treatment Plant

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$23,000
Engineer/Inspect:	\$115,000
Construction:	\$862,500
Equipment:	\$115,000
Other:	\$34,500
Total:	\$1,150,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes	
Amount:	659,000	554,000
Source:	HUD-IRHA	HUD-IRHA
Date		
Received:	1997	1998

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Elsie Vent

P. O. Box 10

Huslia **99746**

829-2266

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 1
Local Budget Priority: One
Population Served: 140

Community: Hyder, City of
Project Title: Primary Treatment and Collection
Facility for Sewer and Solid Waste
Appropriation Requested: \$1,250,000

Project Description:

This project would implement Phase 1 of a proposed multi-phase project to protect ground water supply resources for drinking water by the residents of Hyder. The community's current system of solid waste disposal is a landfill operation but currently is uncontrolled dumping at an unpermitted site at tidewater. This project would provide for the design and construction of primary treatment/collection facilities for sewer and solid waste.

Project Need:

This project is needed to protect the ground water for use as drinking water by the residents of Hyder currently relying on shallow wells. Many homes do not have adequate separation between their wells and septic systems. Our community currently relies on an unpermitted tidewater landfill for disposal of solid waste. A proper system of solid waste is needed to comply with regulation governing solid waste disposal.

Cost Estimated By:

Paul Gabbert
ADEC-VSW
Engineer
269-7502

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Hyder, City of

Primary Treatment and Collection Facility
for Sewer and Solid Waste

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

Administration:
Engineer/Inspect: \$250,000
Construction: \$1,000,000
Equipment:
Other:
Total: \$1,250,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: No
O & M Costs Identified:
User Fee Ordinance Adopted: No

Paul M. Larkin
P. O. Box 149
Hyder 99923
636-9148 Fax 636-2174

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 40

Local Budget Priority: One

Population Served: 45

Community: Ivanof Bay (Lake & Penin. Borough)

Project Title: Landfill Study and Preliminary Design

Appropriation Requested: \$109,100

Project Description:

We are requesting money for a landfill study and preliminary design to be Phase I of a landfill project. Our current landfill is too near the village and is a health hazard and an eyesore. We would like to eventually build an access road and a new landfill near the sludge site, fencing it off with a locking gate. Construction will be Phase II of the project.

Project Need:

Our current landfill is an uncontrolled dump. It is a pollution and health hazard confirmed by the sanitation facility survey of the solid waste disposal system conducted in 1997. The dump is approximately 95 percent filled and we want to study the feasibility of building a new landfill and obtain an estimate of operations and maintenance costs so we can figure out ways for the village to pay for proper maintenance of a new facility.

Cost Estimated By:

Lynn Marino, P.E.

ADEC-VSW

Engineer

269-7602

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Ivanof Bay (Lake & Penin. Borough)

Landfill Study and Preliminary Design

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect:
Construction:
Equipment:
Other: \$109,100
Total: \$109,100

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 15,885
Source: Magnuson-Stevens
Date: Grnt.
Received: 1998-99

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Lori Kalmakoff
P. O. Box KIB
Ivanof Bay 99695-0050
669-2200 or 2219

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 37
Local Budget Priority: One
Population Served: 222

Community: Kaktovik, City of (NSB)
Project Title: Home Service Connections
Appropriation Requested: \$498,000

Project Description:

This project will provide plumbing upgrades to residences to allow hookup to water and sewer distribution and collection systems under development.

- A. Adding plumbing and fixtures to residences without these services.
- B. Upgrading vent, waste and water lines to code.
- C. Adding prefabricated toilet room modules to residences that cannot accommodate conventional toilets and sinks.
- D. Other related improvements necessary to accomplish plumbing upgrades.

Project Need:

There are not enough residences with adequate plumbing facilities to hook up and utilize the water and sewer systems being installed. This places the new systems at risk, crippling the hydraulic and thermal integrity of the sewer mains. Currently many plumbing drains discharge gray water directly to the ground beneath the dwellings, collecting in pools which children play in, or is left to be absorbed or frozen. Most honey bucket users are without adequate bathing facilities or hand sinks. Water is often reused for handwashing several times by family members, promoting conditions for spread of water born disease. Honey bucket trucks often leak refuse on the roads as they collect buckets from homes, further causing health risks. Project funding would allow a managed plumbing upgrade program to occur, allowing the collection/ and distribution system startups in a scheduled and controlled basis.

Cost Estimated By:

Jeff Baker

NSB CIPM - Anchorage

561-6605

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kaktovik, City of (NSB)

Home Service Connections

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan:
Comprehensive Study:
Is this a phased project: Yes

Administration:	\$17,630
Engineer/Inspect:	\$49,649
Construction:	\$410,000
Equipment:	
Other:	\$20,721
Total:	\$498,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

Lon Sonsalla
P. O. Box 69
Barrow **99723**

852-2611

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 280

Community: Kaltag, City of
Project Title: Solid Waste Site
Appropriation Requested: \$230,000

Project Description:

This project will cover construction of a new solid waste site. It will include clearing and grubbing the 2.9 acre site, construction of the access road to the land fill, installation of the perimeter fencing, excavating and constructing the first trench. The project will also purchase support equipment for the landfill, a snow machine, 4-wheeler and ATV trailer for hauling waste and burn box.

Project Need:

The current dump is an immediate health and safety hazard. The existing solid waste site has reached its capacity. The site is only partially fenced in, posing the problem of waste able to blow out and around the site. The current design of the dump allows storm water to run on the site and may lead to possible contamination of the city's drinking water source. Animal carcasses are not separated from other waste. Because of the attraction of the carcasses and the proximity to the community, the animals can carry the disease and/or spread disease. The City can provide lime at the landfill for the public to cover the waste immediately.

Cost Estimated By:

Eric R. Lehan, P. E.

PHS

Engineer

729-3554

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Kaltag, City of

Solid Waste Site

PLANNING COMPLETED

Plans & Specifications:
Feasibility Plan: Yes
Comprehensive Study:
Is this a phased project: Yes

PROJECT COSTS

Administration: \$28,175
Engineer/Inspect:
Construction: \$101,825
Equipment: \$100,000
Other:
Total: \$230,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 100,000

Source: IHS

Date

Received: 1998

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Violet Burnham

P. O. Box 9

Kaltag 99748

534-2301

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 39
Local Budget Priority:
Population Served: 7,000+

Community: Kanakanak Compound
Project Title: Wastewater Treatment System
Improvement
Appropriation Requested: \$485,000

Project Description:

Build stabilization pond (lagoon) to replace obsolete wastewater treatment plant that has inadequate capacity to meet the needs of Kanakanak residents, workers, patients and visitors.

Project Need:

The plant has difficulty meeting the ADEC discharge permit requirements for effluent and it is becoming more difficult to control as the plant ages. Recent architectural and engineering studies indicate the importance of replacing the plant. If the waste water treatment plant fails, home sanitation services and health care services could not be provided to residents of the compound and/or users of health care programs provided at the hospital. It would also jeopardize the availability of health care services to visitors and seasonal workers. The hospital is the only care provider in the 46,000+ square mile service area.

Cost Estimated By:

Paul Ritz

Kanakanak Hospital

842-9297

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kanakanak Compound

Wastewater Treatment System
Improvement

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$70,000
Engineer/Inspect:	\$35,000
Construction:	\$350,000
Equipment:	\$20,000
Other:	\$10,000
Total:	\$485,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used:	Yes
Amount:	110,000 25,000
Source:	PHS PHS
Date	
Received:	1999 1997

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Paul Ritz, PE

**P. O. Box 130
6000 Kanakanak Road
Dillingham 99576**

842-5201

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 520

Community: Kasigluk Traditional Council
Project Title: Sewer and Water Improvements for
New Kasigluk
Appropriation Requested: \$3,850,000

Project Description:

The proposed project will build a piped water and sewer system for the community of New Kasigluk. The proposed system is a necessary community infrastructure upgrade resulting from a major housing development currently under design. The system will include a new community well and treatment plant, an above ground circulating water distribution system and vacuum sewer collection system and a sewage lagoon. It is anticipated that the water treatment plant, the water storage tank, the vacuum system, sewage lift station and the electrical power generators for the community would be housed in the same building. This would allow the waste heat from generators to be used to heat the water in the circulating water system.

Project Need:

Old and New Kasigluk currently dump honey bucket waste in a pond near New Kasigluk. Waste from the school dumps directly into a pond 60 feet from the school and less than 200 feet from the well supplying the school and New Kasigluk. Old Kasigluk must haul honey bucket waste by boat to New Kasigluk and hauled through town to the sewage pond. Accidental spillage is frequent. Periods of break up and freeze up where conditions prevent use of both boat and snow machine forces residents to use overflowing, condemned honey bucket bunkers for up to 3-4 weeks at a time. Standing water present under and around homes can be contaminated from honey buckets. Children play nearby. New Kasigluk's sole water source is the school well, which provides discolored and bad tasting water. Most residents have rainwater collection systems. Collected rainwater from roofs is better tasting but is easily contaminated. These conditions are health risks, and pose a significant risk.

Cost Estimated By:

Greg M. Putnam, P. E.

Sentec Technical Management Systems, Inc.

Engineer

243-9966

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Kasigluk Traditional Council

Sewer and Water Improvements for New
Kasigluk

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$42,200
Engineer/Inspect:	\$97,285
Construction:	\$3,071,972
Equipment:	
Other:	\$638,543
Total:	\$3,850,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Esai Twitchel, Jr.
P. O. Box 19
Kasigluk 99609
477-6405, Fax: 477-6212

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 1

Local Budget Priority:

Population Served: 5,666

Community: Ketchikan Gateway Borough

Project Title: Water and Sewer Services Feasibility Study

Appropriation Requested: \$95,000

Project Description:

This project will address the feasibility of consolidating piped water and sewer improvements south of the City of Ketchikan and the consolidation of water and sewer policies and ordinances for all the residents of the Ketchikan Gateway Borough. It will address the engineering possibilities, legal issues, and rate options for those services.

Project Need:

The water treatment facility at Mountain Point has been completed and a regional waste water treatment facility is under construction and nearing completion at Mountain Point. Funds have been granted for Phase I construction at Shoup Street for planning, engineering and construction of a new water intake, transmission main, storage tank, and water treatment plant. This study will address the consolidation of the water and sewer functions of all service areas to include Mountain Point and Shoup Street, and consider options for providing water and sewer service to other borough residents south of Ketchikan.

Cost Estimated By:

Kurt Egelhofer, P. E.

ADEC-VSW

Engineer

269-7601

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Ketchikan Gateway Borough

Water and Sewer Services Feasibility
Study

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:
Feasibility Plan:
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$0
Engineer/Inspect:	\$95,000
Construction:	
Equipment:	
Other:	
Total:	\$95,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted:

Georgianna Zimmerle
344 Front Street
Ketchikan 99901
228-6625

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 1
Local Budget Priority: One
Population Served: 195

Community: Wetchikan Gateway Borough
Project Title: Shoup St. Service Area Water and Sewer Improvements
Appropriation Requested: \$1,865,000

Project Description:

This is a multi-year project to construct a new piped water and sewer system for the Shoup Street Service Area. This funding request will finance design and construction of a portion of the water distribution system and the sewer collection system in the service area including that portion along Chacon Street, Hugi Avenue, Forss Avenue, and Crest Avenue.

Project Need:

CEC has advised us that the water system is undersized; that the water source could easily become contaminated; and that the filtration and chlorine contact time do not meet current requirements to comply with the Surface Water Treatment Rule. Improvements to the system would provide adequate safe drinking water and decrease the number of water outages due to heavy rains clogging the intake. In addition, past surveys of bacteria counts in roadside ditches document that many on-site waste water system discharges can be traced to adjacent standing surface water. This project will eliminate use of failing septic systems in the area and thus reduce ground pollution and the chance of drinking water contamination.

Cost Estimated By:

Kurt Egelhofer, P. E.

ADEC-VSW

Engineer

269-7601

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Ketchikan Gateway Borough

Shoup St. Service Area Water and Sewer
Improvements

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

Administration:

Engineer/Inspect: \$280,000

Construction: \$1,585,000

Equipment:

Other:

Total: \$1,865,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Y

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

Georgianna Zimmerle

344 Front Street

Ketchikan 99901

228-6625

Department of Environmental Conservation
FY00 Capital Budget Req. :
Village Safe Water

Election District: 37

Local Budget Priority: One

Population Served: 415

Community: Kiana, City of

Project Title: Water Treatment Plant Replacement

Appropriation Requested: \$1,600,000

Project Description:

This project proposes to construct a new water treatment plant to replace the existing plant that is past the end of its service life and does not meet electrical and plumbing codes. The plant shall include water treatment, heat exchangers, circulation pumps, pressure tank, waste heat utilization, storage tank modifications, testing lab, sewer system connection, and other related miscellaneous equipment. Well water supply lines will also be upgraded. It is proposed that the new plant be built near the existing plant.

Project Need:

The existing treatment plant is past the end of its service life. Constant repairs are required as equipment fails. If it is not replaced, total failure, with associated line freeze up is expected. This will leave the entire community, including the schools, without water. In addition, there is no capacity in the plant to expand the system and the HUD project slated for Kiana is currently on hold.

Cost Estimated By:

Matthew Dixon, P.E.

USPHS, OEH&E

Engineer

7293535

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kiana, City of

Water Treatment Plant Replacement

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phase-1 project: Yes

Administration:	\$80,000
Engineer/Inspect:	\$192,000
Construction:	\$1,078,000
Equipment:	\$250,000
Other:	
Total:	\$1,600,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes	
Amount:	24,500	40,500
Source:	IHS	HUD
Date		
Received:	1992	1995

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

Hazel Apok
P. O. Box 150
Kiana **99749**
475-2136

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 39
Local Budget Priority: One
Population Served: 681

Community: Kipnuk Traditional Council
Project Title: Washeteria System, Sewage Disposal and Solid Waste Site
Appropriation Requested: \$1,917,000

Project Description:

This project will construct the following:

- 1) a community washeteria;
- 2) a washeteria foundation support system;
- 3) a 2,500 foot water transmission line from the new water reservoir to the new washeteria;
- 4) water treatment plant upgrades (mechanical, electrical and treatment);
- 5) water treatment plant building and foundation extension;
- 6) sewage lagoon discharge pumping system (pumps, discharge line);
- 7) solid waste site fence.

Project Need:

Homes in the village of Kipnuk lack individual water and sewage disposal service. The residents currently rely on a central watering point and honey buckets for water and sewage disposal, with no means for washing cloths or bathing. Access to a washeteria will improve sanitation conditions. Gray water generation and disposal currently presents a pollution hazard to the residents. Without these facilities, sanitation conditions will remain inadequate, posing a health risk to residents.

Cost Estimated By:

Denman Ondelacy, P. E.

US PHS

729-3530

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Kipnuk Traditional Council

Washeteria System, Sewage Disposal
and Solid Waste Site

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:
Engineer/Inspect: \$1,917,000
Construction:
Equipment:
Other:
Total: \$1,917,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: Yes
Amount: 1,302,000
Source: IHS
Date
Received: FY98

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

John Amik
P. O. Box 57
Kipnuk 99614
896-5515 Fax: 896-5240

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 349

Community: Kivalina, City of
Project Title: Water, Sewer and Solid Waste
Project, Phase II
Appropriation Requested: \$295,000

Project Description:

Sanitation projects in 1995 and 1996 constructed a honey bucket disposal site and solid waste site 1.5 miles from town. These projects also constructed approximately 1100 feet of buried water and sewer line and 10,000 square feet of drain field. In order to operate these sanitation facilities this project will purchase a D-5 size bulldozer, an 10-yr dump truck , and a Case 580 size V tractor-Backhoe loader.

Project Need:

The community has a new dump site, solid waste site, septic tank, drain field and water transfer lines but does not have the equipment to operate the solid waste site or the honey bucket site or to make repairs to any of the water and sewer facilities. Direct contact with human waste has been implicated in the spread of Hepatitis. This community has had several cases of hepatitis and the project will prevent the spread and improve the public health.

Cost Estimated By:

A. Mark Anderson

US PHS, IHS

729-3533

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kivalina, City of

Water, Sewer and Solid Waste Project,
Phase II

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study:
Is this a phased project: Yes

Administration:	\$15,000
Engineer/Inspect:	\$2,000
Construction:	
Equipment:	\$278,000
Other:	
Total:	\$295,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes	
Amount:	1,380,000	325,000
Source:	IHS	IHS
Date		
Received:	1993	1994

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

Oscar Sage, Sr.
P.O. Box 50079
Kivalina 99750
645-2137

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 37
Local Budget Priority: One
Population Served: 100

Community: Kobuk, City of
Project Title: Water and Sewer Installation Project
Appropriation Requested: \$238,000

Project Description:

This project will construct a community water well, purchase heavy equipment to install and maintain the water and sewer service lines, and make modifications to the water plant to accommodate the water well.

Project Need:

The project eliminates honey buckets and individual water hauling from the entire community of Kobuk. If this phase is not funded, the City will have no back-up water well and will not have the equipment to adequately maintain the system.

Cost Estimated By:

Tom Heintzman, P.E.

US PHS

729-3536

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kobuk, City of

Water and Sewer Installation Project

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$4,000
Engineer/Inspect:	\$34,000
Construction:	\$100,000
Equipment:	\$100,000
Other:	
Total:	\$238,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

Colleen Sheldon

P. O. Box 20

Kobuk **99751**

948-2217

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: Yes
Population Served: 368

Community: Kongiganak, Native Village of
Project Title: Washeteria Construction - Phase IIB
Appropriation Requested: \$1,300,000

Project Description:

This project will construct a new washeteria building to replace the existing facility, including the water and wastewater treatment equipment.

Project Need:

The existing facility is well over 20 years old and the structural, mechanical, and electrical systems are failing, outdated and inefficient. The laundry facility is located on the 2nd floor and is hard to access and does not meet ADA standards, creating a health hazard to the public. The existing wastewater treatment equipment in the building creates cross contamination with the water system. The facility serves the school building and teachers' housing as well.

Cost Estimated By:

Paul Gabbert, PE,
ADEC-VSW & Summit Consulting Services
2609-7608 and 291-2339

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kongiganak, Native Village of

Washeteria Construction - Phase IIB

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$365,000
Engineer/Inspect:	\$800,000
Construction:	\$31,000
Equipment:	\$104,000
Other:	
Total:	\$1,300,000

Community Resolution passed requesting money through VSW and indicating a priority?

Yes

Will federal money be used:	Yes	
Amount:	300,000	775,000
Source:	USDA-RDA	DOT/ISTEA
Date		
Received:	1998	1998

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Alexie Lewis

P. O. Box 5069

Kongiganak 99559

557-5226

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38
Local Budget Priority: One
Population Served: 390

Community: Kotlik, City of
Project Title: Water and Sewer Project
Appropriation Requested: \$250,000

Project Description:

This project will provide a waste heat system for the recently funded water and sewer system. Additional bulk fuel will also be provided to support the new water and wastewater system.

Project Need:

The community water and sewer system which the waste heat system will serve will replace the current honey bucket haul system. This has been well documented as a health hazard. If this project is funded the operational costs of the system will be reduced significantly.

Cost Estimated By:

Dennis Wagner

PHS

1-800-560-8637

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kotlik, City of

Water and Sewer Project

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

Administration:
Engineer/Inspect: \$40,000
Construction: \$185,000
Equipment: \$25,000
Other:
Total: \$250,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

 Yes

Will federal money be used: Yes
Amount: 1,366,000 1,786,000
Source: PHS PHS
Date
Received: 1996 1997

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Rose Cheemuk

P. O. Box 20268

Kotlik 99620

899-4313, Fax: 899-4826

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 37
Local Budget Priority: One
Population Served: 3200

Community: Kotzebue, City of
Project Title: Water Storage Tank
Appropriation Requested: \$1,500,000

Project Description:

This project will construct a second 1.5 million gallon treated water storage tank adjacent to the existing 1.5 million gallon tank. The new tank will be piped to be used in tandem (series) with the existing tank (normal operational mode). However, the piping will also allow the City to use either tank separately, allowing for maintenance and cleaning.

Project Need:

Our existing water storage tank does not provide for adequate chlorine contact time. The City has received complaints over the years on the color and taste of the water and have blamed various (unconfirmed) ailments on the water. Kotzebue does have a history of hepatitis cases. The existing tank has serious interior corrosion. If the existing tank falls before it is taken off line, the city will be unable to produce potable water until another tank is erected with storage and head to operate the filters. This new tank will provide the additional storage to implement a fire flow system to meet normal standards of flow to prevent loss of life and property. It will also allow for annual or biannual cleaning to eliminate/reduce the chemical sediments from circulating through the water system.

Cost Estimated By:

Harry R. J. Bates, P.E.

Kotzebue, City of

442-3401

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kotzebue, City of

Water Storage Tank

PLANNING COMPLETED

Plans & Specifications: Yes

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

PROJECT COSTS

Administration:	\$15,000
Engineer/Inspect:	\$225,000
Construction:	\$1,200,000
Equipment:	
Other:	\$60,000
Total:	\$1,500,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 30,000 20,000

Source: PHS FMHA

Date

Received: 1993 1991

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Harry Bates

P. O. Box 46

Kotzebue 99752

442-3401

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 296

Community: Koyuk, City of
Project Title: Water and Sewer Project
Appropriation Requested: \$1,300,000

Project Description:

The project will fund replacement of the existing dilapidated water plant and washeteria. A new 64 ft x 32 ft water plant/washeteria upgraded to meet the surface water treatment rule will be installed on a gravel pad foundation. The washeteria will be a smaller scale and provide minimal facilities for those in the community without water and sewer in their homes.

Project Need:

The Koyuk water and sewer project is ongoing with the completion of water distribution and sewer collection facilities for the entire community. The water plant has grown old and dilapidated with serious settlement occurring in the south end of the building and needs replacement. Extensive "bandaid" maintenance on old facilities drains operation and maintenance funds and user revenue which could be better used to fund preventative maintenance of other sanitation facilities. This will eventually result in the deterioration of other facilities, poor water quality and directly affect health and welfare of the community. Recently, test wells were drilled to locate a new water source. Early test pumping results indicate a promising source under the influence of surface water. The water plant will need to be upgraded to meet the surface water treatment rule and protect the community health against surface water contamination.

Cost Estimated By:

P. Costello

ANTHC

729-3534

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Koyuk, City of

Water and Sewer Project

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$200,000
Engineer/Inspect:	\$20,000
Construction:	\$1,025,000
Equipment:	\$30,000
Other:	\$25,000
Total:	\$1,300,000

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Clifford Charles
P. O. Box 53029
Koyuk **99753**
963-3441

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36

Local Budget Priority:

Population Served: 150

Community: Kuspuk Sch. Dist.- Crooked Creek

Project Title: Crooked Creek Johnny John Sr. Sch.
Sewer System Feasibility Study

Appropriation Requested: \$75,000

Project Description:

Feasibility study to decide whether to build a new leach system or an on-site lagoon treatment system, along with looking at connecting up to future city sewer.

Project Need:

Raw sewage backs up on the floor and in the crawl space when there is any above average use of the present system.

Cost Estimated By:

Stephen L. Hill

Kuspuk School District

Facility Coordinator

675-4250, Ext. 508

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kuspuk Sch. Dist.- Crooked Creek

Crooked Creek Johnny John Sr. Sch.
Sewer System Feasibility Study

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration:
Engineer/Inspect: \$75,000
Construction:
Equipment:
Other:
Total: \$75,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: No
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

Stephen L. Hill
P. O. Box 49
Aniak 99557
675-4250, Fax 675-4336

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 500

Community: Kuspuk Sch. Dist.- Upper Kalskag
Project Title: Upper Kalskag-George Morgan Sr.
High School Sewer
Appropriation Requested: \$209,000

Project Description:

On-site septic tank and leach bed

Project Need:

The existing leach field is in low ground and does not function anymore. During breakup, and when there is high water, the system is below the waterlevel. This has caused the system to silt up. When there is heavy activity at the school (basket ball games or evening activities), raw sewage runs to the surface of the ground behind the school. It also backs up in the school drains and crawl space. If not corrected, the crawl space and outside grounds will continue to be polluted.

Cost Estimated By:

Summit Consulting Services

Summit Consulting Services

291-2339

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kuspuk Sch. Dist.- Upper Kalskag

Upper Kalskag-George Morgan Sr. High
School Sewer

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$21,000
Engineer/Inspect:	\$20,000
Construction:	\$70,000
Equipment:	\$69,000
Other:	\$29,000
Total:	\$209,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

Stephen L. Hill
P. O. Box 49
Aniak 99557
675-4250, ext. 508 Fax
675-4336

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 408

Community: Kwigillingok, Native Village of
Project Title: Water (Source) Reservoir and Solid Waste Site
Appropriation Requested: \$1,884,000

Project Description:

This project proposes to construct facilities which will be the basis for development of a flush and haul system and solid waste disposal system supplying water, sewage disposal and solid waste disposal services to 74 homes. By combining these facilities into the same mobilization and project, use of funds will be maximized while improving community health conditions. The proposed facilities will include:

- 1) an earthen water reservoir (2,000,000 gallons minimum storage capacity);
- 2) reservoir snow catchment fence;
- 3) reservoir pump house with foundation;
- 4) new solid waste site
- 5) existing solid waste site closure.

Project Need:

This project is needed to reduce health hazards posed by contact of sewage through individual home hauling of honey buckets and by drinking untreated water. By providing facilities to develop the flush and haul system, existing honey bucket bunkers can be closed. This will eliminate pollution throughout the village when tidal flooding occurs. Lack of a water source will prevent implementing a flush and haul system. Provision of a new solid waste site will allow closure of existing solid waste site which is at capacity and overloading.

Cost Estimated By:

Denman Ondelacy, P. E.

US PHS

Engineer

729-3530

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kwigillingok, Native Village of

Water (Source) Reservoir and Solid
Waste Site

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect:
Construction: \$1,884,000
Equipment:
Other:
Total: \$1,884,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 1,138,000 2,170,000
Source: EPA IHS
Date
Received: FY94/97 FY97-98

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Arthur Lake
P. O. Box 49
Kwigillingok **99622**

588-8114, Fax: 588-8429

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 580

Community: Kwinhagak, Native Village of
Project Title: Sanitation Facilities Improvement Project
Appropriation Requested: \$1,950,000

Project Description:

To fully implement the 1993 master plan, the following must be undertaken:

- 1) Installation of the water and sewage haul system in 30 homes & 6 community buildings funded and completed).
- 2) Installation of the water and sewage haul system in 45 more homes (funded.)
- 3) the design and permitting of a new landfill and sewage lagoon (funded).

This request will fund:

- 4) construction of a new landfill and sewage lagoon;
- 5) related water and sanitation improvements; and
- 6) install up to 30 additional water and sewage haul system units.

Project Need:

Residents use honey buckets for sewage disposal and must haul water from a watering point. This method of water and sewer service is a health hazard because residents are exposed to raw sewage and find it difficult to haul adequate amounts of water to maintain a healthy level of hygiene. A community water haul and delivery system and a sewage haul system using closed tanks and trailers is planned to make it safer. The existing honey bucket lagoon and dump are in extremely poor condition and are not permitted facilities. Runoff and natural movement of water drains through the lagoon and dump to and through Quinhagak, creating an environmental hazard.

Cost Estimated By:

Carol Campbell, P. E.

David Nairne & Associates, Ltd.

Engineer

604-984-3503

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Kwinhagak, Native Village of

Sanitation Facilities Improvement Project

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study: Yes

Is this a phased project: Yes

Administration: \$25,000

Engineer/Inspect: \$300,000

Construction: \$1,400,000

Equipment: \$50,000

Other: \$175,000

Total: \$1,950,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 1,570,000 1,090,000

Source: IHS RECD

Date

Received: 1996-199 1996

7

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted: Yes

Henry Mark

P. O. Box 149

Quinhagak 99655

556-8167

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 8
Local Budget Priority: One
Population Served: 150+

Community: Lowell Point, Inc.
Project Title: Study and Pre-design of Water and Wastewater
Appropriation Requested: \$75,000

Project Description:

The community has determined that both safe, potable water and safe disposal of wastewater should be planned and designed together, so that residents of Lowell Point and thousands of annual visitors may be provided potable water and safe disposal of wastewater. The City of Seward operates their wastewater treatment plant on Lowell Point, and it is hoped to be able to connect our wastewater removal to Seward's treatment plant.

Project Need:

There is a history of water contamination. The City of Seward's sewage lagoon is in the center of Lowell Point and failed in 1991-92. Individual wells in the area make this a continuing hazard. Tidal influence causes brackish water in many residential wells. (Lowell Point subsided five feet during the 1964 earthquake, causing the tidal influence). Residents along the beachfront have no available water source other than rainwater collection. Wastewater disposal is also an extreme problem. Many of these lots predate statehood, and do not allow for DEC approved wells or septic because many lots are undersized, lacking sufficient space for septic systems and individual wells. There is a distinct possibility that the study and pre-design of the wastewater portion of the project will reveal existing health hazards.

Cost Estimated By:

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Lowell Point, Inc.

Study and Pre-design of Water and
Wastewater

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No	Administration:
Feasibility Plan: No	Engineer/Inspect: \$75,000
Comprehensive Study: No	Construction:
Is this a phased project: Yes	Equipment:
	Other:
	Total: \$75,000

Community Resolution passed requesting money through VSW and indicating a priority?	Will federal money be used: No
Yes	Amount:
	Source:
	Date
	Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes	James McCracken
Certified Primary Operator: No	P.O. Box 709
Certified Backup Operator: No	Seward 99664
Drinking Water Compliance: Yes	224-3701 Fax: 224-8948
O & M Costs Identified:	
User Fee Ordinance Adopted: No	

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: Yes
Population Served: 350

Community: Lower Kalskag, City of
Project Title: Water and Sewer System Plan and Evaluation
Appropriation Requested: \$150,000

Project Description:

This project will develop a plan and design to extend the existing water and sewer system to areas where there is currently no service, and to serve homes that have septic tank drain field systems which have been failing. The project will evaluate system extension options, provide the design and permit approvals for the selected option, provide a construction cost estimate for the selected option, and provide an estimate for the resulting O&M costs to run the improved system. The plan will be prepared by an engineering firm hired by the village and will develop a phased approach to funding and construction.

Project Need:

Lower Kalskag has inadequate sewage service. Dangerous health risks exist from untreated sewage pooling around failing drain fields and septic tanks. Indiscriminate dumping of honey buckets also presents a health hazard. The potential for disease spread is great to children and adults. If a feasibility study is not funded, progress to improve the level of sanitation in Lower Kalskag would remain at a standstill, and the risk of disease transmission would increase.

Cost Estimated By:

Robin A. Dalton, P. E.

PHS-IHS

729-3529

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Lower Kalskag, City of

Water and Sewer System Plan and
Evaluation

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration: \$5,000
Engineer/Inspect:
Construction:
Equipment:
Other: \$145,000
Total: \$150,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted:

Henry K. Aloysius
P. O. Box 81
Lower Kalskag 99626
471-2223

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39

Local Budget Priority:

Population Served: 570

Community: Lower Kusk. SchD. - Bethel

Project Title: Kilbuck School Water Line
Replacement

Appropriation Requested: \$178,800

Project Description:

This project will construct a new water treatment system for the school. The system will consist of:

1. a new building to house the equipment;
- 2) a 2,000 gallon water storage tank;
- 3) a new well pump;
- 4) a green sand filter;
- 5) polymer injection;
- 6) a sand filter;
- 7) chlorine injection;
- 8) pressure pumps and tank.

Project Need:

The current system does not function properly nor does it meet current standards. The system as installed consists of: a well pump, chlorine injection, a pressure tank, a water softener, and a cartridge type canister filter. We were injecting Aquamag for corrosion control but could not make the system work nor could we get adequate support from the manufacturer's representative.

Cost Estimated By:

John Warren, P. E.

Larsen Engineering, Inc.

Engineer

243-8985

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Lower Kusk. SchD. - Bethel

Kilbuck School Water Line Replacement

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$7,411
Engineer/Inspect:	\$15,000
Construction:	\$148,214
Equipment:	
Other:	\$8,175
Total:	\$178,800

Community Resolution passed
requesting money through VSW and
indicating a priority?

No

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Jim Kohl
P. O. Box 305
Bethel 99559-0305
543-4891, Fax: 543-3216

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39

Local Budget Priority:

Population Served: 95

Community: Lower Kusk. SchD.-Goodnews Bay

Project Title: Goodnews Bay School Sewer Line Replacement

Appropriation Requested: \$269,900

Project Description:

This project will install a new gravity sewer line from the school to the City of Goodnews Bay facultative sewage lagoon located south of the school, approximately 765 feet. The line will be buried 6" HDPE arctic pipe with manholes between the structures. The preliminary design documents are complete, final construction documents will be developed as part of the project.

Project Need:

The current sewage disposal leach field located to the north of the school has failed. We are using an open pit as the drain field for the septic tank. This project was originally going to be constructed in conjunction with the PHS project as a force account project. PHS has put their project on an indefinite hold until issues can be resolved with the City of Goodnews Bay. The goal for the City system is a piped water and sewage system.

Cost Estimated By:

Jordan Suhr, P. E.

Montgomery Watson

Engineer

248-8883

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Lower Kusk. SchD.-Goodnews Bay

Goodnews Bay School Sewer Line
Replacement

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$32,700
Engineer/Inspect:	\$32,700
Construction:	\$204,500
Equipment:	
Other:	
Total:	\$269,900

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Jim Kohl

P. O. Box 305

Bethel **99559-0305**

543-4891, Fax: 543-3216

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39

Local Budget Priority:

Population Served: 75

Community: Lower Kusk. SchD. - Kasigluk

Project Title: Akula School Sewer Disposal
Feasibility Study

Appropriation Requested: \$36,750

Project Description:

This project would develop a feasibility study to review alternatives and their associated costs for the relocation of the school sewage disposal lagoon from its current location to other areas within the community. The community has been funded to develop a utility master plan, but the school is not included. They are scheduled to start the planning process this year.

Project Need:

The community of Akula, Kasigluk is located on land that is within a local person's Native Allotment. They purchased a portion and developed the new community there. They recently located additional land that is available for development that is located to the south of the school site. The school lagoon is located between the school and this property. They are currently planning additional houses that will be constructed in this area in the near future. We will then have a sewage lagoon located near the center of the community. We have similar situations in several communities and we are considering alternatives at this time to alleviate their concerns.

Cost Estimated By:

Jim Kohl

Lower Kuskokwim School District

Director, Plant Facilities

543-4891

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Lower Kusk. SchD. - Kasigluk

Akula School Sewer Disposal Feasibility
Study

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration:	\$1,750
Engineer/Inspect:	
Construction:	\$35,000
Equipment:	
Other:	
Total:	\$36,750

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

Jim Kohl
P. O. Box 305
Bethel **99559-0305**

543-4891, Fax: 543-3216

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39

Local Budget Priority:

Population Served: 200

Community: Lower Kusk. SchD. - Kipnuk

Project Title: Kipnuk School Utility Master Plan

Appropriation Requested: \$78,700

Project Description:

This project will review the current and long term water, sewer, and solid waste utility needs for the Kipnuk School. We will develop a utility master plan that will integrate with the community's plan that is currently being developed.

Project Need:

The Kipnuk School is the largest utility consumer in the community.

- 1) The school is located in the center of the community and the ability to dispose of sewage on site is not feasible. We currently have a sewage treatment system that will be up-graded this year, but do not have an adequate disposal location.
- 2) We currently have 180,000 gallons of water storage capacity and use surface water with a tundra pond source. We have a district wide water system upgrade project and Kipnuk is a phase of it, but we do not have adequate funds to construct the entire project. We are currently seeking additional construction funds.
- 3) We currently burn part of our solid waste and dispose of the remainder in the community landfill.

Cost Estimated By:

Jim Kohl

Lower Kuskokwim School District

Director, Plant Facilities

543-4891

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Lower Kusk. SchD. - Kipnuk

Kipnuk School Utility Master Plan

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration: \$3,700
Engineer/Inspect:
Construction: \$75,000
Equipment:
Other:
Total: \$78,700

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: No
Amount:
Source:
**Date
Received:**

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

Jim Kohl
P. O. Box 305
Bethel 99559-0305
543-4891, Fax: 543-3216

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority:
Population Served: 95130

Community: Lower Kusk. SchD. - Kongiganak
Project Title: Kongiganak School Additional Water Storage
Appropriation Requested: \$623,900

Project Description:

This project would construct a 100,000 gallon water storage tank at the Kongiganak School next to the existing tank. The tank will have a welded steel shell, founded on a gravel pad, with rigid insulation board and a metal jacket. It will be connected to the school building via a utilidor for distribution and the add-heat system to keep it from freezing.

Project Need:

The water source for the community is surface water from a tundra pond. The community and the school have water storage tanks to hold raw water that is processed as it is needed. On an annual basis the tank is filled and topped off before the winter freeze. In the spring when we get a thaw that accumulates water on the top of the ponds, we top off the tank. this tank will give the school the capacity to make finished water during the summer and keep the tank topped off during the year. We will also be able to flush the building toilets with non-potable water to reduce site costs.

Cost Estimated By:

Jim Kohl

Lower Kuskokwim School District

Director Plant Facilities

543-4891

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Lower Kusk. SchD. - Kongiganak

Kongiganak School Additional Water
Storage

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

Administration:	\$47,535
Engineer/Inspect:	\$71,300
Construction:	\$475,355
Equipment:	
Other:	\$29,710
Total:	\$623,900

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

Jim Kohl

P. O. Box 305

Bethel **99559-0305**

543-4891, Fax: 543-3216

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 39

Local Budget Priority:

Population Served: 110

Community: Lower Kusk. SchD. - Kwigillingok

Project Title: Kwigillingok School Sewage Lagoon
Dike

Appropriation Requested: \$315,000

Project Description:

This project will construct a containment dike and fence around the current sewage disposal pond located to the north of the school. The pond is also used by the community water treatment plant and washeteria. The containment dike costs have been estimated by PHS at \$400,000, and our portion is \$200,000. They will have a project in the community this year and these funds will be made available to them for construction. A new pile foundation for the school sewage line to the pond will be constructed as the current wood trestles constantly move with the seasons and require constant leveling. I have estimated the cost at \$100,000 to install a pile foundation.

Project Need:

The current disposal area is a tundra pond that does not have a containment dike and is subject to annual snow melt, and seasonal rain which causes the level to rise and run off in a small slough which eventually makes its way to the river. The community has voiced their concerns on this issue and expressed a desire to have the pond contained and eventually relocated to another area of the community in the future.

Cost Estimated By:

Jim Kohl

Lower Kuskokwim School District

Director, Plant Facilities

543-4891

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Lower Kusk. SchD. - Kwigillingok

Kwigillingok School Sewage Lagoon Dike

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration: \$15,000
Engineer/Inspect:
Construction: \$300,000
Equipment:
Other:
Total: \$315,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: Yes
Amount: 200,000
Source: PHS
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Jim Kohl
P. O. Box 305
Bethel 99559-0305
543-4891, Fax: 543-3216

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 725

Community: Lower Kuskokwim School District -
~~Districtwide~~
Project Title: Districtwide Water Treatment
Surface Water Sources
Appropriation Requested: \$1,500,000

Project Description:

This project request would fully fund the construction of water treatment systems at the following schools: Nightmute, Kwethluk, Kongiganak, Kwigillingok, and Kipnuk. The design for the project is completed and the project advertised for construction bids. This project uses containerized equipment that can be fabricated off site and shipped and assembled at each site. The treatment process is prefiltration with micro and nano filtration and reverse osmosis with water storage and a pressure system.

Project Need:

The schools in the five communities have surface water as the source and are not in compliance with current requirements of the Drinking Water Act. The community systems do not have adequate capacity to accommodate our needs. This project has some prior funding from the Department of Education and this request will fully fund the project and complete all five sites.

Cost Estimated By:

Jim Kohl

LKSD

Director, Plant Facilities/Capital Projects

543-4891

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Lower Kuskokwim School District -
Districtwide

District Wide Water Treatment Surface
Water Sources

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes

Feasibility Plan: Yes

Comprehensive Study: Yes

is this a phased project: Yes

Administration:

Engineer/Inspect:

Construction: \$1,500,000

Equipment:

Other:

Total: \$1,500,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs identified: Yes

User Fee Ordinance Adopted: No

Jim Kohl

P. O. Box 305

Bethel 99559-0305

543-4891

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 318

Community: Marshall, City of
Project Title: Sanitation Improvements
Appropriation Requested: \$1,200,000

Project Description:

This project will

- 1) Construct a building to house City maintenance equipment including: Garbage truck, 6-wheeler, heavy equipment used for water and sewer projects, welder/generator and other equipment.
- 2) Water and sewer lines will be extended to the new building
- 3) Service connections will be made to the new building.
- 4) Water and sewer connections will also be made to the water treatment plant.
- 5) An engineering design will be made to replace the PVC water and sewer lines in the old section of town.

Project Need:

This project is needed to build a garage for the garbage vehicle purchased by previous ADEC/VSW funds, along with other vehicles used for water and sewer repair work. This will extend the life of the equipment by keeping them out of inclement weather. The Engineering design will provide inspection of the 20-year old water and sewer system, and repair or construction of deteriorating manholes. The consequences of not doing this project will result in water and sewer main lines breaking, resulting in sewer leakage, contamination infiltrating the water lines, and time and money wasted on repairing an old system.

Cost Estimated By:

Debra Addie, P. E.

ADEC-VSW

Engineer

269-3085

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Marshall, City of

Sanitation Improvements

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$200,000
Construction: \$250,000
Equipment:
Other: \$750,000
Total: \$1,200,000

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Raymond D. Alstrom

P.O. Box 9

Marshall 99585

679-6214, Fax: 679-6220

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 450

Community: McGrath, City of
Project Title: Water and Sewer Master Plan
Appropriation Requested: \$192,500

Project Description:

We propose a master plan and detailed analysis of the water and sewer systems to include aerial mapping and ground control, soil samples, community involvement and coordination, engineering analysis, options, phasing of upgrades and possibly preliminary design work. The water plant is currently 13 years old and many parts of the system need to be replaced. We also want to plan for future expansion of both the water and sewer systems for the next 20 years.

Project Need:

The City of McGrath water plant is 13 years old. We are experiencing increased expenses as well as increased operating costs to run our system. Without an engineering study and modernization of our system to improve its efficiency, we run the increasing risk of catastrophic failure and or the systems bankrupting the City. The system has been losing over \$30,000 a year for the last 3 years.

Cost Estimated By:

Julie Burton

Tanana Chiefs Conference
Environmental Engineer
1-800-478-6822 ext. 3735

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

McGrath, City of

Water and Sewer Master Plan

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$10,000
Engineer/Inspect:	\$100,000
Construction:	\$0
Equipment:	\$2,500
Other:	\$80,000
Total:	\$192,500

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Kathy Snow
P. O. Box 30
McGrath **99627**
524-3825

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 210

Community: Mekoryuk, City of
Project Title: Force Main and Pump Station, Step 2B
Appropriation Requested: \$2,190,000

Project Description:

This project will consist of:

- 1) design and construction of 5,100 linear feet of force main and two pump stations
- 2) connecting the existing washeteria and school to a new sewage lagoon to be constructed in 1999.
- 3) \$15,000 training fund for haul operators.
- 4) connection of ten additional users to Flush Tank and Haul system.

Project Need:

The existing lagoon is very close to town and has a bad odor. The first cell is filling with plastic bags full of human waste. The second cell is leaking. This project provides a critical step in reducing flow to the existing lagoon and beginning operation of a new lagoon. The current lagoon poses a health risk due to incidental contact with sewage and a pollution risk since the second cell is leaking onto adjacent ground. If the force main and pump station are not constructed, odor problems will continue, unsanitary bags of waste will remain at the existing lagoon, and the chance for contact with the waste will remain. The City Health Aide has noted these health hazards. The chance for pollution from lagoon leakage will also remain. Haul operators need additional training, and ten additional sites were identified as needing Flush Tank and Haul water and sewer service.

Cost Estimated By:

David Yanoshek, P. E.

CRW Engineering

562-3252

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Mekoryuk, City of

Force Main and Pump Station, Step 2B

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration: \$30,000
Engineer/Inspect: \$250,000
Construction: \$1,895,000
Equipment:
Other: \$15,000
Total: \$2,190,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 45,000 300,000
Source: ANHB USDA-RDA
Date
Received: FY99 FY2000

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Jobe Weston
P. O. Box 29
Mekoryuk 99630

562-3252, Fax: 561-2273

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 70

Community: Mentasta Traditional Council
Project Title: Sewer Collection and Disposal,
Phase I
Appropriation Requested: \$180,000

Project Description:

This project will build a septic system for the school, Community Hall, Daycare/Elder Center, and Recreational Center. Due to land size, these buildings cannot have individual septic systems. We want to have one system for all four buildings. Plus, it would cut costs on operations for both Mentasta Traditional Council and Alaska Gateway School District. The school has its' own well, and daycare/elder center has a well. Mentasta Traditional Council is seeking funds through Mt. Sanford Tribal Consortium and/or PHS for a well to be placed at the community hall by the end of October, 1999. If this does not work, we will apply next year through VSW for a well as Phase II of this project.

Project Need:

In our feasibility study, it was stated that the current septic system for the school is inadequate for the size of the school. Also, the Hall, Elder/Daycare and Recreation centers are public buildings that we want to provide with safe and adequate restrooms for use by the people. At this time, they are unhealthy because there is only an outhouse and no place to wash.

Cost Estimated By:

Debra Addie

ADEC-VSW

Engineer

269-3085

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Mentasta Traditional Council

Sewer Collection and Disposal, Phase I

PLANNING COMPLETED

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

PROJECT COSTS

Administration:	\$6,000
Engineer/Inspect:	\$30,000
Construction:	\$122,000
Equipment:	\$2,000
Other:	\$20,000
Total:	\$180,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No

Certified Primary Operator: No

Certified Backup Operator: No

Drinking Water Compliance: No

O & M Costs Identified: No

User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Kathryn Martin

P. O. Box 6019

Mentasta Lake 99780

291-2319

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 2
Local Budget Priority: One
Population Served: 1878

Community: Metlakatla Indian Community
Project Title: Sewer System Upgrades
Appropriation Requested: \$1,375,000

Project Description:

This project includes the construction of a new 2-cell aerated community sewage lagoon and deep water ocean outfall. The existing lagoon is presently overloaded and the ocean outfall discharges on the beach above the low tide elevation. The outfall discharge location is near the community creating a significant health hazard. This project also includes replacement of sewer mains and manholes along Tait Street, Upper Atkinson Street and Fawcett Street. This sewer system is dilapidated and allows significant infiltration overloading the sewage treatment system and results in excessively high pumping (operational) costs for the community.

Project Need:

The existing sewage lagoon is overloaded and is discharging effluent which does not meet State or federal standards. This results in contamination of the local beaches. Additionally, the existing ocean outfall discharges above the low tide elevation which is increasing contamination levels and allows the opportunity for human contact with the effluent. The hydraulic overloading of the sewer system causes periods of substandard sewage treatment by shock loading the sewage treatment system.

Cost Estimated By:

Kurt Egelhofer
ADEC-Village Safe Water
Engineer
269-7601

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Metlakatla Indian Community

Sewer System Upgrades

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes	Administration: \$5,000
Feasibility Plan: Yes	Engineer/Inspect: \$90,000
Comprehensive Study: Yes	Construction: \$1,190,000
Is this a phased project: Yes	Equipment: \$0
	Other: \$90,000
	Total: \$1,375,000

Community Resolution passed requesting money through VSW and indicating a priority? Yes	Will federal money be used: Yes Amount: 560,000 Source: EPA through PHS Date Received: FY98
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**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes	Paul Brendible, Jr. Grants Officer and Tim Gilmartin, Mayor P.O.Box 8 Metlakatla 99926 886-4441
Certified Primary Operator: Yes	
Certified Backup Operator: Yes	
Drinking Water Compliance: Yes	
O & M Costs Identified:	
User Fee Ordinance Adopted: Yes	

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 245

Community: Minto, Village of
Project Title: Water and Sewer Improvements,
Phase I
Appropriation Requested: \$1,042,800

Project Description:

Minto has just completed Phase I of the VSW study. Continued funding will allow us to move into Phase II. The capital project will survey land and acquire permits for the solid waste facility, improve the water treatment plant, domestic water circulation, piping and heating, improve and repair the sewer system and lagoon, and complete the engineering design for Phases II, III, and IV.

Project Need:

The development of a permitted Minto solid waste facility is required not only to comply with ADEC regulations, but also for the health and welfare of Minto. The main well is seven years old and is not producing enough water to meet the current demand, and the back up well is currently also operating. The production of the well has declined during the past year from 25 to 13 gpm. The 28 year old water treatment plant is in need of numerous piping, heating, and ventilation repairs to achieve efficient and reliable operation. Installation of pit orifices and the upgrade of the emergency generator in the water treatment plant would prevent the services from freezing.

Cost Estimated By:

PDC, Inc.

Privat Firm

452-1414

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Minto, Village of

Water and Sewer Improvements, Phase I

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

Administration:	\$27,000
Engineer/Inspect:	\$240,700
Construction:	\$775,100
Equipment:	
Other:	
Total:	\$1,042,800

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 Yes

Will federal money be used:
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: No

Bessie Titus
P. O. Box 58026
Minto **99758**

798-7112

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 7
Local Budget Priority: One
Population Served: 177

Community: Nanwalek, Native Village of
Project Title: Water Source Development, Upgr. to
Treatment & Distribution Systems
Appropriation Requested: \$997,000

Project Description:

This project will identify and develop a new surface water source. The water will be tested for treatability, and an intake structure with a small reservoir will be constructed. A leak detection and repair program will be conducted to reduce loss. An addition to the existing water treatment plant will be constructed to house granular and micro-particulate cartridge pressure filters. An on-line turbidimeter and chart recorder, plumbing improvements and a fuel-oil space heater will be installed at the WTP. A UPS power system will be installed to power the chlorination and heating systems for the WTP. A new bolted steel water storage tank will be installed at a higher elevation so that distribution system pressure is increased, allowing newly constructed homes to receive water service. The storage tank will be large enough and plumbed to guarantee adequate chlorine disinfection contact time to the entire water system.

Project Need:

The existing water source is an unprotected stream drainage with quality which varies rapidly in response to precipitation, snow melt runoff, stream bank erosion and through-stream four-wheeler traffic. Supply cannot meet demands during cold weather periods. There have been confirmed cases of giardia and fecal coliform contamination in the water supply. The existing treatment system includes a single 42" diameter coarse media pressure filter followed by chlorine injection. The current water storage tank and distribution system provides less than ten percent of the required disinfection contact time needed to assure adequate disinfection of filtered water from the WTP. A comprehensive geo-technical and geophysical study established that adequate groundwater supplies are not available within economic proximity to Nanwalek. The existing source should be supplemented or replaced to provide a reliable source of water.

Cost Estimated By:

Brad Rea, P. E.

US PHS

Engineer

729-3543

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Nanwalek, Native Village of

Water Source Development, Upgr. to
Treatment & Distribution Systems

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$44,846
Engineer/Inspect:	\$100,119
Construction:	\$740,900
Equipment:	
Other:	\$111,135
Total:	\$997,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes
Amount:	255,000 150,000
Source:	HUD-ICDBG HUD-NPRH A
Date	
Received:	1996 1998

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Jerry Demas

P. O. Box 8076

Nanwalek 99603-6665

**281-2274, Fax:
281-22252**

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 346

Community: Napakiak, City of
Project Title: City-wide Flush Tank and Haul and Washeteria Renovation Project
Appropriation Requested: \$1,249,100

Project Description:

This project will provide water and sewer service to the final 22 homes and community buildings in Napakiak, and funding to renovate our washeteria. When this project is complete, we will no longer be a community on the honey bucket and we will have a well functioning washeteria. Our washeteria is being only minimally repaired under current funding. We need this project to ensure the long term sustainability of the washeteria. The City Council will, at long last, be able to pass an ordinance outlawing the honey bucket in our community.

Project Need:

The honey bucket is a health hazard to our people and our children. The stink, disease and risk to our people spread by the honey bucket is terrible. The pollution is rampant and makes its way into the air and our waters where we fish. If this project is not done, our people will continue to suffer from oral-fecal disease transmission.

Cost Estimated By:

Jordan Suhr; Shaun Baron; Jim Patterson

Montgomery Watson; Cowater AK;
ADEC-VSW

248-8883; 522-5511; 269-7611

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Napakiak, City of

City-wide Flush Tank and Haul and Washeteria Renovation Project

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$37,520
Engineer/Inspect:	\$227,080
Construction:	\$841,700
Equipment:	\$5,000
Other:	\$137,800
Total:	\$1,249,100

Community Resolution passed requesting money through VSW and indicating a priority?

Yes

Will federal money be used:	Yes	
Amount:	136,500	773,200
Source:	DOTPF	DOTPF
Date Received:	2000	2001

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Oliane L. Kameroff
General Delivery
Napakiak 99634
589-2227

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 406

Community: Napaskiak Native Village
Project Title: Phase I - Sanitation Facilities
Improvement Project
Appropriation Requested: \$1,000,000

Project Description:

Water, sewer and solid waste disposal practices in rural Alaska are unique because of the wetland environment and lack of a road system. The project will implement a Low Flow Flush and Haul System to selected and qualified families throughout the village, by adding modular bathroom units to non-HUD housing and flushing toilets and septic tanks to existing HUD housing. That type of Flush and Haul System is now in use in several villages and it is proving to be a very effective alternative to a piped water system that would prove very costly to install and maintain. A vacuum unit is in use that pumps out raw sewage from bunkers strewn around the community. It is very capable of vacuuming out proposed septic tanks the project will establish. This project ties in with the long-term plans of the community to "put the honey bucket in the museum".

Project Need:

A documented health hazard now exists for Napaskiak and the Yukon Kuskokwim Region with extremely high rates of Hepatitis A and B because people are continually being exposed to raw sewage and dirty water from the lack of flushing toilets and running water. A child died from playing around the hoppers and scratching her mosquito bite with raw sewage contaminated hands and fingernails. Raw sewage is being collected using 5-gallon buckets and hand carried out to 75-gallon hoppers strewn around the community. Sanitation workers then run around with a vacuum unit to pump out the raw sewage and transport it to the sewage lagoon to be pumped out. The consequences of not being funded will be an outbreak of Hepatitis A and B and further deterioration of the health of the people of Napaskiak. Despite health clinics, regional hospitals and experimental vaccines for Hepatitis A & B, the people's health is not getting better.

Cost Estimated By:

Steve Eng
ADEC-VSW
Engineer
269-7597

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Napaskiak Native Village

Phase I - Sanitation Facilities
Improvement Project

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

Administration:	\$50,000
Engineer/Inspect:	\$50,000
Construction:	\$800,000
Equipment:	\$100,000
Other:	\$0
Total:	\$1,000,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: No

Chris G. Larson
P.O. Box 6009
Napaskiak 99569
737-7364

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 5
Local Budget Priority: One
Population Served: 80-100

Community: Naukati West, Inc.
Project Title: Naukati Sewer and Water Study
Appropriation Requested: \$50,000

Project Description:

This is a feasibility study which is the first phase of a project to provide safe water and sanitation systems to the community of Naukati. It will address the problem of finding a community water source. It will help us develop a plan and cost analysis for a treated water system for residents, businesses and the school. This study would be combined with a feasibility study for a sewer system.

Project Need:

Naukati has a limited water supply which consists mostly of rain catchment systems and a few small streams. When these fail, water is hauled from questionable sources. As the community grows, these sources will prove inadequate and may become polluted from increased use of the watershed. A safe water supply is essential if we are to grow and develop as a community. Naukatie has no central sewer system. The State requirements for the subdivision is a sealed vault system. The only sealed vault system currently approved is a moveable outhouse over a barrel. Many of the lots are poorly drained and septic systems or leach fields cannot be used. Inadequate systems pollute ground water and affects the drinking water. There can be no community development without a way of handling wastes.

Cost Estimated By:

Kurt Egelhofer

ADEC-VSW

Engineer

269-7601

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Naukati West, Inc.

Naukati Sewer and Water Study

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$50,000
Construction:
Equipment:
Other:
Total: \$50,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: No
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Van Huffman
P. O. Box NKI #1
Ketchikan 99950-0550
629-4234

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 279

Community: Newtok Traditional Council
Project Title: Sanitation Facilities Plan and Demo Project
Appropriation Requested: \$275,000

Project Description:

This project will be the next step in the overall approach for improving the inadequate infrastructure in the village. Funding is being requested to develop 1) a sanitation master plan, 2) utility management planning and training, and 3) continued demonstration of the FTH system in 3 homes in the community. To date, the FTH system has been installed in the village clinic, and a FTH feasibility study has been prepared. This project is needed to plan for new infrastructure at the new village site and the present site during the intervening time until the village moves, and to plan for the transition to the new village site. The findings of the feasibility study support community wide implementation of the FTH system and other improvements, including a new water storage tank, a new water source and a new sewage lagoon.

Project Need:

Sanitation improvements are badly needed in Newtok. Residents self haul water from a watering point in the village. Typically, water is not available for 30-60 days each year because the water source is frozen and the storage tank is too small. The water source is located next to the airstrip and is at risk from contamination from garbage, sewage and fuel. There is no community sewage collection, treatment or disposal system. Residents utilize honey buckets as a sewage disposal system which are then hauled to the Newtok River and dumped. In 1987 a Hepatitis A outbreak occurred in Newtok. Sanitation conditions in the village have not improved or changed at all since that time. In fact, they are much worse as the community population has increased by 40% since then. This increase is severely straining the existing infrastructure and the environment. The shortage of water and concerns about contamination of the source water have led many residents to drink water from other non-treated surface sources.

Cost Estimated By:

Carol Campbell, P.E. and Jim Patterson, PE
David Nairne & Asst. and ADEC -VSW
Engineers
(604) 984-3503 and (907) 269-7611

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Newtok Traditional Council

Sanitation Facilities Plan and Demo
Project

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$5,000
Engineer/Inspect:	\$120,000
Construction:	\$100,000
Equipment:	
Other:	\$50,000
Total:	\$275,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
Amount:
Source:
**Date
Received:**

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Stanley Tom
P. O. Box 5545
Newtok **99559**
237-2314

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 7
Local Budget Priority: One
Population Served: 40

Community: Ninilchik Vil. Cncl. Hmowners Assn.
Project Title: Subdivision Sewer Project
Appropriation Requested: \$600,000

Project Description:

This project will build individual sewage treatment units at up to 15 buildings within the old Ninilchik subdivision. The sewage will be discharged into a low pressure sewer main and then into a central UV disinfection unit before discharge into the Ninilchik River. On-site water improvements are also part of the intended scope of work. Homeowner well systems will be improved by added storage and water treatment capabilities. The UV plant and part of the sewer main have already been designed and are planned for construction in October, 1998. This grant will pay for the design and construction of the new systems, and cover some operator and administrative training.

Project Need:

Many homes in the village still use outhouses and haul water. The project is needed because there is no conventional way to discharge sewage within the subdivision. Lots are too small for both well and septic. There is a clay subsurface layer that does not allow conventional leach fields to percolate. In order to have individual water wells serving the home, a community sewage collection and disposal facility needs to be constructed. In addition, ADEC requires a 100 foot separation distance from the river to prevent pollution. We need sewage treatment to protect the river and allow for septic systems within the community.

Cost Estimated By:

Mike Wolski, P. E.

ADEC-VSW

Engineer

269-7603

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Ninilchik Vil. Cncl. Hmowners Assn.

Subdivision Sewer Project

PLANNING COMPLETED

Plans & Specifications:
Feasibility Plan: Yes
Comprehensive Study:
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$2,000
Engineer/Inspect:	\$82,000
Construction:	\$487,500
Equipment:	\$20,000
Other:	\$8,500
Total:	\$600,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 65,800
Source: EPA
Date
Received: 1998

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: yes
Drinking Water Compliance: No
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Steve Vanek
P. O. Box 103
Ninilchik 99639
567-1028, Fax: 567-3499

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 400

Community: Noatak, Native Village of
Project Title: Upgrades for Noatak Water and Sewer
Appropriation Requested: \$80,000

Project Description:

This project will upgrade the water & sewer system for the native village of Noatak. It will purchase spare parts for our system. ABS Pumps, circulating pumps, well pumps, pressure pumps, one 4-wheeler for the operator to use around the village, upgrade in-house plumbing for the community village elders and houses not completed by VSW.

Project Need:

We currently do not have spare parts for our system. Plumbing was not completed in some homes.

Cost Estimated By:

R. Minnie Stalker
Native Village of Noatak
Utility Manager
485-2141 or 2173

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Noatak, Native Village of

Upgrades for Noatak Water and Sewer

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$20,000
Engineer/Inspect:	
Construction:	\$17,500
Equipment:	\$32,500
Other:	\$10,000
Total:	\$80,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Alice E. Adams
P. O. Box 89
Noatak 99761
485-2141 & 2173

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 37
Local Budget Priority: One
Population Served: 64

Community: Noorvik, City of
Project Title: River Drive Water and Sewer
Extension
Appropriation Requested: \$1,470,000

Project Description:

Extend existing water and sewer system along River Drive to serve 7 existing homes. Extend service to 9 additional scattered homes in the south portion of town with water and sewer service lines. Provide indoor plumbing for 16 homes along with plumbing connections to new service lines. Water plant upgrades and lift station construction completed under the first phase of the project.

Project Need:

Approximately 64 residents of Noorvik, living on the south side of the City along River Drive, are without water and sewer service. Without a safe supply of drinking water piped into the homes, or a safe method of sewage disposal residents are subject to disease causing agents. Unsafe raw sewage disposal, caused by the lack of indoor facilities, is often disposed of improperly and is a health hazard to other residents

Cost Estimated By:

Matthew Dixon, P. E.

USDHSS/AAIHS/OEH&E

Engineer

729-3535

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Noorvik, City of

River Drive Water and Sewer Extension

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$63,000
Engineer/Inspect:	\$151,000
Construction:	\$1,256,000
Equipment:	
Other:	
Total:	\$1,470,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes	
Amount:	1,350,000	645,000
Source:	IHS/EPA	US-HUD
Date Received:	1993	1995

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Glenn D. Skin
P.O.Box 146
Noorvik **99763**
636-2100 or 2211

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 37
Local Budget Priority: One
Population Served: 435

Community: Nuiqsut, City of
Project Title: Service Connections
Appropriation Requested: \$971,000

Project Description:

Project will provide plumbing upgrades to residences to allow hookup to water and sewer distribution and collection systems under development.

- A. Adding plumbing and fixtures to residences without these services.
- B. Upgrading vent, waste and water lines to code.
- C. Adding prefabricated toilet room modules to residences that cannot accommodate conventional toilets and sinks.
- D. Other related improvements necessary to accomplish plumbing upgrades.

Project Need:

There aren't enough residences with adequate plumbing facilities to hook up and utilize the water and sewer systems being installed. This places the new systems at risk, crippling the hydraulic and thermal integrity of the sewer mains. Currently many plumbing drains discharge gray water directly to the ground beneath the dwellings, allowing it to collect in pools which children play in, or be left to be absorbed or frozen. Most honey bucket users are without adequate bathing facilities or hand sinks. Water is often reused for handwashing several times by family members, promoting conditions for spread of water born disease. Honey bucket trucks often leak refuse on the roads as they collect buckets from homes, further causing health risks. Project funding would allow a managed plumbing upgrade program to occur, allowing the collection & distribution system startups in a scheduled and controlled basis.

Cost Estimated By:

Jeff Baker

NSB CIPM-Anchorage

561-6605

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Nuiqsut, City of

Service Connections

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$34,400
Engineer/Inspect:	\$96,600
Construction:	\$800,000
Equipment:	
Other:	\$40,000
Total:	\$971,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Leonard Lampe, Sr.
P. O. Box 69
Barrow 99723
852-0200

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 39
Local Budget Priority: One
Population Served: 500

Community: Nunapitchuk, City of
Project Title: Water and Sanitation Improvements
Appropriation Requested: \$950,000

Project Description:

This project will be for the following:

- 1) 30 Cowater flush tank and haul units,
- 2) Filling in the lakes created when the sewage bunkers were closed.

PHS closed the sewage bunkers in the winter of 1996 by digging them up and burying them. There are now small lakes where the bunkers were. They are growing in size and they are a hazard to the community.

Project Need:

Most residents use honey buckets, which are dumped in containers throughout the city. When the containers get full, the City dumps these open containers of sewage in the two sewage lagoons. (A lagoon is on each side of the river). Sewage is sometimes spilled on the boardwalk, a health and pollution hazard. Flush tank and haul units have so far been installed in 38 houses. This request for 30 more units will eliminate 30 more honey buckets. Before the honey bucket haul and flush tank and haul systems were built, residents dumped their honey buckets into plywood bunkers built by PHS in the 1970's. PHS closed the bunkers in 1996 in winter and buried the contents. The soil and sewage was frozen and when it melted in the spring, it settled and small lakes were formed. These lakes have been growing in size and they are a significant hazard, especially to children. The consequences of not doing this project is that 30 homes will continue to use honey buckets and the bunker lakes will keep increasing in size.

Cost Estimated By:

Jordan Suhr, P.E.; Shaun Baron

Montgomery Watson; Cowater Alaska

266-1224; 522-5511

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Nunapitchuk, City of

Water and Sanitation Improvements

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$19,000
Engineer/Inspect:	\$218,500
Construction:	\$712,500
Equipment:	
Other:	
Total:	\$950,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: Yes

Amount: 329,000

Source: DOA/RD

Date

Received: 1998

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Eli Wassillie

P. O. Box 190

Nunapitchuk 99641

527-5327

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 6
Local Budget Priority: One
Population Served:

Community: Old Harbor, City of
Project Title: Sanitation Improvement Feasibility Study
Appropriation Requested: \$100,000

Project Description:

Study upgrade for compatibility with upcoming hydroelectric system. This project will comply with surface water treatment rule. Professional leak survey for distribution system.

Project Need:

The existing system in the city was implemented in 1968 by PHS, consequently the City is in need of a more current study.

Cost Estimated By:

Mark Stanford

PHS

1-800-560-8637, ext. 3544

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Old Harbor, City of

Sanitation Improvement Feasibility Study

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$100,000
Construction:
Equipment:
Other:
Total: \$100,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used:
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

James A. Nestic or Jonetta Cratty
P. O. Box 109
Old Harbor 99643
286-2204

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36

Local Budget Priority:

Population Served: 120

Community: Old Minto Camp

Project Title: Sanitation Facilities Master Plan Survey

Appropriation Requested: \$100,000

Project Description:

This project will conduct a sanitation facility master plan study of the Old Minto Family Recovery Camp (OMFRC) located at Old Minto. OMFRC is a 35-day inpatient program that provides substance abuse treatment. OMFRC is located on the original village site and has a year-round population of 25+. The study is to be conducted to assess the water, sewer and solid waste disposal and treatment situation and make recommendations for proper disposal and treatment.

Project Need:

The study will identify and assess the environmental hazards and provide solutions to correct problems identified. At the present time the residents of OMFRC obtain their water from the Tanana River and the means of sewage disposal is by poorly constructed outhouses.

Cost Estimated By:

Bill Griffith

TCC

452-8251

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Old Minto Camp

Sanitation Facilities Master Plan Survey

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$100,000
Construction:
Equipment:
Other:
Total: \$100,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

No

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: No
O & M Costs Identified: No
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Victor Joseph
122 First Avenue, Suite 600
Fairbanks 99701
452-8251, Fax: 459-3835

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 39
Local Budget Priority: One
Population Served: 64

Community: Oscarville, Tribal Council
Project Title: Implementation of a Low Flow Haul System
Appropriation Requested: \$500,000

Project Description:

Implementation of a low flow haul system engineered by VSW. The project will use the type of flush tank and haul (FT&H) unit used in Tuntutuliak. Tuntutuliak is similar to Oscarville in population, geographical topography, layout of homes and boardwalk construction. We will use their master plan. A haul unit to contend with spills has passed the planning stage and is on the way. We have applied to HUD to upgrade our watering point to store more potable water. The upgrade in the watering point will also serve the hauling units to get water from the point of delivery to the various home constructions to the low flow hauling system.

Project Need:

A health hazard exists in the village when spillage occurs from honey bucket hopper trailers when waste is being transported to the sewage lagoon or when spills are unaccounted for. The hopper trailers pose a very dangerous and immediate health hazard because they are in close proximity to the daily traffic in and around the village. Children play in and around the village boardwalks and tend to play with hopper trailers. The consequences of not initiating the FT&H system will be that ultimately there will be outbreaks of Hepatitis A and B in the village. This can cause hospitalization or even death if not detected early. Implementation of this system will not fully eliminate the issue of danger to the people we serve, but will greatly improve our health related problems in the bush.

Cost Estimated By:

Steve Eng, P. E.

ADEC-VSW

Engineer

269-7597

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Oscarville, Tribal Council

Implementation of a Low Flow Haul
System

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$25,000
Engineer/Inspect:	\$25,000
Construction:	\$400,000
Equipment:	\$50,000
Other:	
Total:	\$500,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 20,755

Source: NAHASDA

Date

Received: 2001

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Jimmy Andrew Larson, Jr.

P. O. Box 6129

Napaskiak 99559

737-7099, Fax: 737-7211

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 21
Local Budget Priority: One
Population Served: 50-100

Community: Panguingue Cr. Homeowners Assn
Project Title: Community Well Project
Appropriation Requested: \$15,000

Project Description:

This project will fund construction of a community well on the Homeowners Association common lot, to provide drinking water, and future fire fighting capabilities.

Project Need:

Over ninety percent of residents do not have running water and the public water supply nearby is not reliable. A water supply would also be necessary in procuring grants and funding for future volunteer fire fighting equipment, to help provide greater safety and security.

Cost Estimated By:

Jon Nierenberg

Panguingue Creek Homeowners Assn.

President

683-2863

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Panguingue Cr. Homeowners Assn

Community Well Project

PLANNING COMPLETED

Plans & Specifications: No
 Feasibility Plan: Yes
 Comprehensive Study: Yes
 Is this a phased project: Yes

PROJECT COSTS

Administration:	\$0
Engineer/Inspect:	\$0
Construction:	\$10,000
Equipment:	\$4,000
Other:	\$1,000
Total:	\$15,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
 Amount:
 Source:
 Date
 Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
 Certified Primary Operator: No
 Certified Backup Operator: No
 Drinking Water Compliance: No
 O & M Costs Identified: Yes
 User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Jon Nierenberg
 P. O. Box 451
 Healy 99743
 683-2863

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 40
Local Budget Priority: One
Population Served: 74

Community: Pedro Bay Village Council
Project Title: Class III Landfill and Access Road Construction
Appropriation Requested: \$1,206,100

Project Description:

Construction of an ADEC compliant and approved class III solid waste landfill with an approximate 2,800 linear feet of access road. Some of the elements included in the Solid Waste Permit Application this project will complete are: clearing of 3.4 acres, strip and stockpile approximately 2,560 cubic yards of overburden, blast and excavate 4200 cubic yards of bedrock, sludge disposal berm/fence (300 linear feet), landfill work pad and service area (60' x 100' + 500' x 20'), drain and construct wetlands, track loader and 30' x 30' metal landfill shelter.

Project Need:

There are several deficiencies at Pedro Bay's existing landfill which pose both health and pollution hazards. It was noted that the existing landfill may be contaminating ground water, and was nearing capacity in 1992. Subsequent surveys by the US PHS noted that conditions have continued to deteriorate and in September, 1995 a letter stated that conditions listed pose a "serious potential health hazard" which could adversely affect the community and the environment.

Cost Estimated By:

Rodney P. Kinney, Jr.

Rodney P. Kinney, Associates, Inc.

694-2332

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Pedro Bay Village Council

Class III Landfill and Access Road
Construction

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes	Administration: \$43,060
Feasibility Plan:	Engineer/Inspect: \$86,150
Comprehensive Study:	Construction: \$996,890
Is this a phased project: Yes	Equipment: \$80,000
	Other:
	Total: \$1,206,100

Community Resolution passed requesting money through VSW and indicating a priority?	Will federal money be used: No
Yes	Amount:
	Source:
	Date
	Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes	John M. Baalke
Certified Primary Operator: No	P. O. Box 47020
Certified Backup Operator: No	Pedro Bay 99647
Drinking Water Compliance:	850-2225
O & M Costs Identified:	
User Fee Ordinance Adopted: Yes	

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 5
Local Budget Priority: One
Population Served: 140

Community: Pelican, City of
Project Title: Sewer Equipment Upgrade
Appropriation Requested: \$24,700

Project Description:

This project will enable the City of Pelican to dispose of sewage sludge more efficiently and economically. This grant would purchase a pump and hose, 2,000 gallon moveable tank, bobcat and trailer. Sludge would be pumped from the four 10,000 gallon septic tanks to the tank. Using the bobcat, the tank would be moved to the trailer. The trailer could then be hauled on o the Alaska State ferry for its monthly trip to Pelican and transported to Juneau where it is pumped and cleaned . This project will allow the City to properly and efficiently empty and clean the permanent septic tanks presently in use. Long-term savings will be realized since the City would not be paying rent for a tank truck to make a monthly trip to Pelican, covering full wages, overtime, and per diem , while receiving only an hour or two (at most) of pumping time due to the short turn-around time of the ferry.

Project Need:

At the present time, the method used for sludge pumping is costly and inefficient. Pelican has four 10,000 gallon septic tanks. The tanks are pumped approximately four times a year, using a 2,000 gallon truck shipped to Pelican from Juneau by ferry. The pumping contractor places the truck on the ferry for the 6 1/2 hour one-way (15-hour round trip) voyage to Pelican. Upon the ferry's arrival in Pelican, the truck is off-loaded, the pump is connected to one of Pelican's 10,000 gallon tanks and as much is pumped as possible in the time allotted before the ferry must depart, returning to Juneau. That allotted time ranges from one to two hours depending on tides. Hook up and breakdown consumes over 30 minutes. Under these circumstances, pumping time has not significantly decreased the sludge level in the tanks, allowing the health hazard to continue.

Cost Estimated By:

Allen Steward & Kathie Wasserman

City of Pelican

735-2202

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Pelican, City of

Sewer Equipment Upgrade

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No	Administration: \$2,470
Feasibility Plan: No	Engineer/Inspect:
Comprehensive Study: Yes	Construction:
Is this a phased project: Yes	Equipment: \$22,230
	Other:
	Total: \$24,700

Community Resolution passed requesting money through VSW and indicating a priority? Yes	Will federal money be used: No Amount: Source: Date Received:
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**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes Certified Primary Operator: Yes Certified Backup Operator: No Drinking Water Compliance: Yes O & M Costs Identified: User Fee Ordinance Adopted: No	Betty McClain P.O. Box 737 Pelican 99832 735-2202
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Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 40
Local Budget Priority: One
Population Served: 100

Community: Perryville, Native Village of
Project Title: Water Project
Appropriation Requested: \$200,000

Project Description:

This water project will result in the completion of a new, insulated 100,000 gallon water storage tank, 4,700 feet of 6" HDPE water transmission line, a new surface water infiltration gallery, and completely replumb the existing water treatment facility, including new sand filter media, micron filtration, chlorine and fluoride treatment, and pressure boosting pumps. The project is intended to allow the community to meet and comply with the Surface Water Treatment Rule.

In addition to the original scope, five failing septic systems have been identified. These five systems should be replaced with new septic tanks and drain fields. In those areas where there may be high ground water, individual residential effluent pumping stations may need to be installed.

Project Need:

The original project was needed because of the multiple boil water notices the community has received. There was inadequate water treatment of the surface water resulting in monthly water tests indicating the presence of bacteria. This presented a health hazard to the entire community. The consequence of not improving the water system is the possible transmission of pathogenic microorganisms throughout the community. There is also the pollution hazard of the failing septic systems. These systems have been identified as failing because of the presence of sewage surfacing from existing cribs, septic tanks and drain fields. The consequence of not addressing these potential health hazards is the possible outbreak of disease within the community.

Cost Estimated By:

Kurt D. Sauers

USPHS

729-3546

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 40

Local Budget Priority:

Population Served: 102

Community: Pilot Point, City of

Project Title: Septic Systems Rehab., Well Water
Treatmt Upgrades & Landfill Reloc.

Appropriation Requested: \$1,350,000

Project Description:

This project will construct a new community landfill, access road, close the existing landfill and correct five failing septic systems. In addition, it will provide treatment upgrades to wells so residents can obtain water meeting ADEC maximum containment levels. The project will also provide a supply of potable water for seasonal workers and fishermen at the city dock.

Project Need:

A hazard exists because several of the failing sewer systems are daylighting effluent because of poor soil absorption. Without correction, pathogenic organisms remain accessible to insects, rodents, and humans. Residents are without running water, and obtain their water by running a hose from an established piped system or using shallow, hand pumped wells, which are at risk of contamination. A pollution hazard exists because the landfill is located in close proximity to Ugashik Bay shore. The current solid waste disposal system collects waste and transports it in the back of a pickup truck to the landfill. A fence exists around three sides of the landfill, but provides no restriction to access by people or animals. This landfill is nearing capacity and a new site needs to be developed.

Cost Estimated By:

Mike Wolski, Rick Barnett, Gust Griechen, III

ADEC-VSW, HDR Alaska, City of Pilot Point

269-7603, 274-2000, 797-2292

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Pilot Point, City of

Septic Systems Rehab., Well Water
 Treatmt Upgrades & Landfill Reloc.

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$13,500
Engineer/Inspect:	\$202,500
Construction:	\$810,000
Equipment:	\$270,000
Other:	\$54,000
Total:	\$1,350,000

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
 COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: No
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Gust Griechen, III
P. O. Box 430
Pilot Point 99649

797-2200

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 530

Community: Pilot Station, City of
Project Title: Water and Sewer Project - Ph IV
Appropriation Requested: \$1,351,000

Project Description:

Phase IV will provide funds to replace 8,000 feet of failing PVC sewer and water mains, and 3,000 feet of associated PVC water and sewer service lines, as well as nine CMP manholes that are no longer watertight and fill with silt each spring, and overflow periodically.

Project Need:

Approximately half of the homes in Pilot Station are not connected to a piped water and sewer system, and must haul water and sewage to and from their homes. Many of the homes that are connected to the piped systems are still served inadequately due to the poor condition of both piped water and sewer systems. Unfortunately, endemic enteric diseases, impetigo, and outbreaks of Hepatitis A have occurred and exist in Pilot Station and the Y-K Delta region. Health authorities have shown a direct correlation between the incidence of these diseases and the level of water and sewer service in a community. Renovation of the existing systems, and connection of homes not currently served by piped systems, can prevent an epidemic and reduce disease incidence in the City of Pilot Station.

Cost Estimated By:

David A. Cramer and Mary Miner, P.E.

Summit Consulting Svc, w/AANHHS, OEH&E

291-2339 and 729-3532

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Pilot Station, City of

Water and Sewer Project - Ph IV

PLANNING COMPLETED

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

PROJECT COSTS

Administration:	\$25,000
Engineer/Inspect:	\$220,000
Construction:	\$950,000
Equipment:	\$156,000
Other:	\$0
Total:	\$1,351,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 1,200,000

Source: PHS

Date

Received: 99

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Art Heckman, Sr.

P. O. Box 5040

Pilot Station 99650-5040

549-3211

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 5

Local Budget Priority:

Population Served: 35

Community: Point Baker Community

Project Title: Community Drinking Water Project

Appropriation Requested: \$0

Project Description:

Note: Community did not provide any estimate of costs or indicate the amount of the appropriation requested.

This project is to develop a source of safe drinking water for the community and to provide pumping, storage, treatment and distribution facilities and/or systems as appropriate.

Project Need:

There is no community water system in Point Baker. There is a small private water system operated by the Point Baker Trading Post, but it serves no households. Individual homes provide their own potable water, in most cases unfiltered and untreated from various sources, all surface water. Any or all of these sources are subject to pollution constantly and to date, no provision has been made to respond to Public Health requirements mandated for drinking water by EPA and ADEC.

Cost Estimated By:

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Point Baker Community

Community Drinking Water Project

PLANNING COMPLETED

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

PROJECT COSTS

Administration:

Engineer/Inspect:

Construction:

Equipment:

Other: \$0

Total: \$0

Community Resolution passed
requesting money through VSW and
indicating a priority?

No

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified: No

User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Herb Hoyt

P. O. Box 31

Point Baker 99927

559-2204

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 749

Community: Point Hope, City of
Project Title: Service Connections
Appropriation Requested: \$1,833,000

Project Description:

Project will provide plumbing upgrades to residences to allow hookup to water and sewer distribution and collection systems under development.

- A. Adding plumbing and fixtures to residences without these services.
- B. Upgrading vent, waste and water lines to code.
- C. Adding prefabricated toilet room modules to residences that cannot accommodate conventional toilets and sinks.
- D. Other related improvements necessary to accomplish plumbing upgrades.

Project Need:

There aren't enough residences with adequate plumbing facilities to hook up and utilize the water and sewer systems being installed. This places the new systems at risk, crippling the hydraulic and thermal integrity of the sewer mains. Currently many plumbing drains discharge gray water directly to the ground beneath the dwellings, allowing it to collect in pools which children play in, or to be absorbed or frozen. Most honey bucket users are without adequate bathing facilities or hand sinks. Water is often reused for handwashing several times by family members, promoting conditions for spread of water born disease. Honey bucket trucks often leak refuse on the roads as they collect buckets from homes, further causing health risks. Project funding would allow a managed plumbing upgrade program to occur, allowing the collection and distribution system startups in a scheduled and controlled basis.

Cost Estimated By:

Jeff Baker

North Slope Borough, CIPM

561-6605

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Point Hope, City of

Service Connections

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

Administration: \$64,930

Engineer/Inspect: \$130,000

Construction: \$52,570

Equipment: \$1,510,000

Other: \$75,500

Total: \$1,833,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

Ronald Ovick

P. O. Box 69

Barrow 99723

852-0200

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 37
Local Budget Priority: One
Population Served: 207

Community: Point Lay, Native Village of
Project Title: Service Connections
Appropriation Requested: \$486,000

Project Description:

Project will provide plumbing upgrades to residences to allow hookup to water and sewer distribution and collection systems under development.

- A. Adding plumbing and fixtures to residences without these services.
- B. Upgrading vent, waste and water lines to code.
- C. Adding prefabricated toilet room modules to residences that cannot accommodate conventional toilets and sinks.
- D. Other related improvements necessary to accomplish plumbing upgrades.

Project Need:

There aren't enough residences with adequate plumbing facilities to hook up and utilize the water and sewer systems being installed. This places the new systems at risk, crippling the hydraulic and thermal integrity of the sewer mains. Currently many plumbing drains discharge gray water directly to the ground beneath the dwellings, allowing it to collect in pools which children play in, or to be absorbed or frozen. Most honey bucket users are without adequate bathing facilities or hand sinks. Water is often reused for handwashing several times by family members, promoting conditions for spread of water born disease. Honey bucket trucks often leak refuse on the roads as they collect buckets from homes, further causing health risks. Project funding would allow a managed plumbing upgrade program to occur, allowing the collection and distribution system startups in a scheduled and controlled basis.

Cost Estimated By:

Jeff Baker

North Slope Borough, CIPM

561-6605

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Point Lay, Native Village of

Service Connections

PLANNING COMPLETED

Plans & Specifications: Yes

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

PROJECT COSTS

Administration: \$17,561

Engineer/Inspect: \$48,439

Construction: \$400,000

Equipment:

Other: \$20,000

Total: \$486,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Kenneth Towksjhea, Sr.

P. O. Box 69

Barrow 99723

852-0200

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 5
Local Budget Priority: One
Population Served: 100

Community: Port Alexander, City of
Project Title: Water System Upgrade
Appropriation Requested: \$198,000

Project Description:

This project will build:

- 1) A new 16' x 16' treatment building at the site of the current building to house:
 - a. install duplicate filtration capacity ,
 - b. Install a chlorine mixing tank,
 - c. install filter washing facilities
- 2) Replace 1,030 feet of existing transmission line from the treatment building to the beach with 8" SCR-13.5 HDPE pipe to achieve contact time.
- 3) Remove the existing "Y" connection from Dirty Dick Dam and route a permanent alternate line with a pump from the Dam to the inlet side of the treatment building.
- 4) Replace all existing PVC water main on the tract A side with 4" HDPE pipe.
- 5) Install meters at all service connections.

Project Need:

This project will bring Port Alexander into compliance with the mandated Surface Water Treatment Rule. Presently we have inadequate time in our distribution system from the chlorination unit to the first unit. With this project we will achieve proper contact time. This is a health concern for households, the school and for transients using the water services at the docks. It is also a concern for guests staying at the local lodges and B&B's and the fish-buying scow in the outer harbor.

Cost Estimated By:

Jon Menough
ADEC-VSW
Engineer
269-7604

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Port Alexander, City of

Water System Upgrade

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$25,000
Construction: \$50,780
Equipment: \$88,520
Other: \$33,700
Total: \$198,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used:

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator:
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Jackie Garnick
P. O. Box 8068
Port Alexander 99836
568-2211, Fax: 568-2207

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 7
Local Budget Priority: One
Population Served: 190

Community: Port Graham, Native Village of
Project Title: Water Source Dev., Treatment and
Distr. System Upgrades and Study
Appropriation Requested: \$704,000

Project Description:

- This project will:
- 1) Conduct a water distribution system leak detection/repair study.
 - 2) Construct a 150,000 gallon bolted steel water storage tank (WST) at a higher elevation than the existing 50,000 gallon redwood tank.
 - 3) Modify the existing WTP to include dual 4- multi-media pressure filters with surface wash systems and 6 cartridge giardia barrier micro-filters.
 - 4) Build a 16' x 20' addition to the WTP to house new filters and filter assemblies.
 - 5) Install a new oil-fired space heater.
 - 6) Install an uninterruptible power source (UPS) in the WTP to cover frequent power outages.
 - 7) Provide maintenance tools and safety equipment for WTP operations and maintenance.

Project Need:

The existing, undersized redwood WST is leaking at approximately 10 gpm and is "floating" on the distribution system providing no disinfection contact time. An adequately sized, and properly piped WST will provide increased system pressure to a new elevated housing subdivision while ensuring sufficient detention volume for SWTR mandated requirements as well as fire flow reserves. The single, existing 36" diameter pressure sand filter is undersized for the increasing water usage by the rapidly growing population. This filter does not provide an adequate giardia barrier to the distribution system. If these improvements are not made, pressure boosting pumps will be required to provide water to the new subdivision, the system will not be in compliance with SWTR and continued growth of the economic base will cease due to inadequate supplies of potable water.

Cost Estimated By:

Brad Rea, P. E.

US PHS

729-3543

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Port Graham, Native Village of

Water Source Dev., Treatment and Distr.
System Upgrades and Study

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$20,000
Engineer/Inspect:	\$88,884
Construction:	\$431,573
Equipment:	\$80,000
Other:	\$83,543
Total:	\$704,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes
Amount:	25,000 20,000
Source:	IHS Port Graham Corp.
Date	
Received:	2998 1998

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Fran Norman
P. O. Box 5510
Port Graham 99603
284-2227 Fax: 284-2222

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 6
Local Budget Priority: One
Population Served: 269

Community: Port Lions, City of
Project Title: Water Dam Replacement
Appropriation Requested: \$750,000

Project Description:

This project will build a new dam on Branchwater Creek which will have a holding capacity of about 500,000 gallons for the City water system. The existing water supply collection dam is poor and needs to be replaced. It will upgrade the electrical sewer pump control panel at the lift station to current electrical code.

Project Need:

The dam facility was built 30 years ago. It is no longer adequate because of rotting timbers, beavers moving in and the holding capacity. The lift station needs a control panel, there have been frequent problems where the lift station has been inoperable due to rusting from the marine environment. The dam replacement project will upgrade the water treatment system for compliance with the surface water treatment rule.

Cost Estimated By:

Tom Moeller

US PHS

L&M Operations & Maintenance Consultant

273-0137

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Port Lions, City of

Water Dam Replacement

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$75,000
Engineer/Inspect:	
Construction:	\$525,000
Equipment:	\$150,000
Other:	
Total:	\$750,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Robert Wagner and Evelyn Mullan
P. O. Box 110
Port Lions 99550
545-2332

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 5
Local Budget Priority: One
Population Served: 85

Community: Port Protection Community Assn.
Project Title: Water Tank - Steel Retaining Wall
Appropriation Requested: \$35,000

Project Description:

A steel retaining wall will stabilize slide area at water tank site. This will stop hillside mud slides and prevent major damage to water tank and provide water pollution prevention.

Project Need:

If this project is not completed the foundation of the water tank will continue shifting causing cracks and water pollution plus requiring a major restoration of tank site and bulkhead construction. Not doing this preventive maintenance could cause deprivation of water for school, businesses and homesteads, thereby posing a health hazard and lack of sanitary facilities..

Cost Estimated By:

Kurt Egelhofer
ADEC-VSW
Engineer
269-7601

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Port Protection Community Assn.

Water Tank - Steel Retaining Wall

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$2,000
Engineer/Inspect:	\$2,000
Construction:	\$30,000
Equipment:	
Other:	\$1,000
Total:	\$35,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Poman S. Keleske
P. O. Box PPV
Ketchikan, AK **99950-0180**

489-2213

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 65

Community: Rampart Village Council
Project Title: Water and Sewer
Appropriation Requested: \$450,000

Project Description:

This request is for funding to complete our current water and sewer project. So far a new water treatment plant and washeteria have been constructed. Money ran out to complete the project. Funding is still needed to connect the old well to the new washeteria as a backup source, repair lagoon dikes and fencing, repair/replace sewage outfall line to the Yukon River, remove approximately 1,200 feet of abandoned utilidor and dispose of it in the landfill.

Project Need:

The sewage line is broken in several places. It is a health problem because raw sewage leaks onto the ground. The lagoon dikes and fencing needs to be repaired so children would not be able to go around the lagoon area, since the lagoon is close to the school. A back up well is needed since we must close the laundromat because of low water during spring.

Cost Estimated By:

Thomas J. Moeller

PHS

729-3549

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Rampart Village Council

Water and Sewer

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: No
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration: \$10,000
Engineer/Inspect:
Construction: \$390,000
Equipment: \$50,000
Other:
Total: \$450,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 203,000 543,000

Source: PHS EPA

Date

Received: 1996 1996

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Margaret Moses

P. O. Box 67029

Rampart 99767

358-3312

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 220

Community: Ruby, City of
Project Title: Feasibility Study and Preliminary
Design of Water and Sewer System
Appropriation Requested: \$150,000

Project Description:

A facilities master plan for Ruby was initiated a year ago by the PHS Office of Environmental Health and Engineering and is approximately 60% complete. A feasibility study will allow us to continue to move forward with extensive soil testing, sample drilling, and aerial mapping. This phase will also provide continued engineering assistance in studying the feasibility of pipes v/s individual wells, and then move into preliminary design considerations.

Project Need:

Over half (65%) of the residents haul their water and the most common form of waste disposal is an outhouse. While Ruby has not yet experienced an outbreak of Hepatitis or other illnesses related to sanitation, the potential exists. Approximately 75% of residents indicated they want a new water and sewer system but need more information about the types of systems available and the costs associated with the systems. This study will provide information about the feasibility of different systems and help the City Council make an informed decision about water and sanitation facilities.

Cost Estimated By:

Tom Moeller

PHS OEH&E

800-560-8637 ext. 3549

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Ruby, City of

Feasibility Study and Preliminary Design
of Water and Sewer System

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan:

Comprehensive Study:

Is this a phased project:

Administration:

Engineer/Inspect:

Construction:

Equipment:

Other:

\$150,000

Total:

\$150,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: No

Drinking Water Compliance: No

O & M Costs Identified:

User Fee Ordinance Adopted:

Lucy Williamson

P. O. Box 90

Ruby

99768

468-4401

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38

Local Budget Priority:

Population Served: 300

Community: Russian Mission, City of

Project Title: Solid Waste Site

Appropriation Requested: \$829,000

Project Description:

This project will design and construct a new solid waste disposal site that complies with ADEC standards and permit requirements. In addition, the existing dump site will be closed out and reclaimed, and equipment to manage the site will be purchased.

Project Need:

The existing solid waste disposal site is basically an open dumping area that is not fenced or provided cover at any time. The site does not meet DEC standards. This results in a high potential for disease transmission by vectors such as rats and dogs. The open dump does not effectively control trash and other wastes which is a high safety issue for adults and children.

Cost Estimated By:

Robin Dalton, P. E.

IHS

729-3528

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Russian Mission, City of

Solid Waste Site

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

Administration:

Engineer/Inspect:

Construction:

Equipment: \$829,000

Other:

Total: \$829,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted:

Jim Duffy

P. O. Box 49

Russian Mission 99657

584-5111

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 494

Community: Saint Mary's, City of
Project Title: Sewage Lagoon and Landfill
Planning
Appropriation Requested: \$152,000

Project Description:

We intend to locate and plan for a new landfill site prior to our lease expiration. We will plan our existing site close-out. We will also evaluate our 25-year old percolation lagoon to see if it has any useful life left, and examine alternatives for renovation, expansion or relocation.

Project Need:

Our landfill is less than one and a half miles from the St. Mary's airport and violates FAA regulations. One of the navigational aids is a few yards uphill of the landfill. The landfill lease expires in six years and will not be renewed. Our sewage lagoon may be near the end of its useful life. We want to be prepared to pursue alternative wastewater treatment before we have a crisis. Without a new landfill we will soon have no disposal site. Our lagoon may soon become both a regulatory and a public health problem.

Cost Estimated By:

Chuck Eggener
CE2 Engineers
Engineer
349-1010

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Saint Mary's, City of

Sewage Lagoon and Landfill Planning

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

Administration:

Engineer/Inspect: \$152,000

Construction:

Equipment:

Other:

Total: \$152,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

Walton B. Smith

P. O. Box 163

St. Mary's 99658

438-2617

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38
Local Budget Priority: One
Population Served: 150+

Community: Saint Mary's, City of
Project Title: Home Plumbing Renovation
Appropriation Requested: \$407,200

Project Description:

We will renovate and repair defective and/or missing home plumbing facilities in approximately 48 older houses in St. Mary's.

Project Need:

We have:

- 1) gray water and sewage leaks at some houses, plugged sewer lines due to reverse grade & house settling),
- 2) wasted water from broken/frozen home plumbing in the winter, as well as constant water running to avoid freeze-ups,
- 3) honey bucket use even with in-house plumbing. Consequences: sewage and gray water spills, higher consumption and utility bills for the city.

Cost Estimated By:

Walton B. Smith
City of St. Mary's
City Administrator
438-2515

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Saint Mary's, City of

Home Plumbing Renovation

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

Administration:

Engineer/Inspect:

Construction: \$407,200

Equipment:

Other:

Total: \$407,200

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 80,000

Source: PHS-AANHS

Date

Received: FFY2000

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

Walton B. Smith

P. O. Box 163

St. Mary's 99658

438-2617

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38
Local Budget Priority: One
Population Served: 350

Community: Saint Michael, City of
Project Title: All-Season Fill Line
Appropriation Requested: \$1,059,000

Project Description:

This project scope is Phase II - construction of an all-season water fill line which will include 18,500 feet of arctic pipe

Project Need:

The community will soon have a piped water and sewer system. At that time the community's water use should increase by five times. This will mean the community will run out of water by December. The alternatives are either an all-season fill line or additional storage capacity. The all-season fill line will cost the least to build and operate.

Cost Estimated By:

A. Mark Anderson

USPHS

729-3533

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Saint Michael, City of

All-Season Fill Line

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration: \$95,000
Engineer/Inspect: \$55,000
Construction: \$909,000
Equipment:
Other:
Total: \$1,059,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: Yes

Amount: 1,020,000

Source: PHS/IHS

Date

Received: 1997

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Virginia Washington

P. O. Box 70

St. Michael 99659

923-3222

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 285

Community: Savoonga, City of
Project Title: Water and Sewer Project
Appropriation Requested: \$2,363,000

Project Description:

The project will bring water and sewer to the west service area. 50 residential and 6 public buildings will be served with water and sewer. 1,000 meters of insulated utilidor mainline housing both water and sewer mains and approximately 1260 meters of arctic service line will be installed.

Project Need:

This project is needed to prevent the following problems in our community. Honey bucket spillage on roads and in residential areas which causes:

- a. unsanitary conditions in households,
- b. Hepatitis B outbreaks due to unsanitary conditions
- c. control the outbreaks of common diseases, viruses and parasites that can be attributed to the use of honey buckets and commercial showers.

If Savoonga does not receive this grant, our community will continue to face these common health problems.

Cost Estimated By:

Pierre Costello

Alaska Area Native Health Services

248-2157

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Savoonga, City of

Water and Sewer Project

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$400,000
Engineer/Inspect:	\$60,000
Construction:	\$1,835,000
Equipment:	\$45,000
Other:	\$23,000
Total:	\$2,363,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used:	Yes	
Amount:	376,000	500,000
Source:	IHS housing	HUD Offsite
Date		
Received:	1999	1995

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Adeline Pungowiye, Savoonga Joint
Utilities
P. O.Box 80
Savoonga 99769
984-6634

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38
Local Budget Priority: One
Population Served: 452

Community: Scammon Bay, City of
Project Title: Water Trtmt Plant Rehab., Solid
Waste O&M Equip. and svc. lines
Appropriation Requested: \$800,000

Project Description:

This project will provide a packaged water treatment plant to meet current surface water treatment regulations. This project will also provide a CAT 450 and dump truck for maintenance of the funded solid waste site and access road. The new solid waste site is funded by IHS and the access road by ISTEA. The community has also requested that 12 individual water and sewer service lines be replaced which have been damaged due to freezing.

Project Need:

According to the surface water treatment regulation the intent of the law is to protect public health. By meeting these regulations the water treatment plant rehabilitation project will be addressing a public health hazard. The O&M equipment will be used to operate and maintain the new solid waste site thus eliminating the current problem of solid waste pollution and future blow and tipping pollution problems. The replacement of the 12 individual service lines also addresses a public health issue.

Cost Estimated By:

Dennis Wagner

IHS

729-3531

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Scammon Bay, City of

Water Treatment Plant Rehab., Solid Waste
O&M Equip. and svc. lines

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

Administration: \$81,000

Engineer/Inspect: \$38,000

Construction: \$450,000

Equipment: \$231,000

Other:

Total: \$800,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 2.65 million 425,000

Source: DOT & IHS
ISTEA AN96-L53

Date
Received: 1996 1996

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified: No

User Fee Ordinance Adopted: Yes

Tony Ulak

P. O. Box 126

Scammon Bay 99662

729-3531

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 37
Local Budget Priority: One
Population Served: 746

Community: Selawik, City of
Project Title: Water and Sewer Project, Phase II
and III
Appropriation Requested: \$3,500,000

Project Description:

This project will provide for completion of Phase II, including piped water and sewer to 1-1, 1-2 and 1-3 service areas, and W-3, I-3 and East service areas as defined in the 1991 community facilities master plan. W-3, 1-3, and East Areas are the final areas needing service. The project will result in all homes having piped water and sewer. If the total amount of funding is not available, this request could be sub-phased into four relatively equal increments.

Project Need:

A health hazard does exist in Selawik. Selawik has documented cases of hepatitis. If the project is not funded, there will continue to be approximately half the homes (68) with honey buckets.

Cost Estimated By:

Darryl D. Alleman, P. E.

PHS

729-3548

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Selawik, City of

Water and Sewer Project, Phase II and III

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration: \$70,000
Engineer/Inspect: \$0
Construction: \$3,430,000
Equipment:
Other:
Total: \$3,500,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: \$9,016,583

Source: FmHA, IHS,
EPA
Date

Received: 1990-98

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Bert Griest

P.O. Box 99

Selawik

99770

484-2132

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 3
Local Budget Priority: One
Population Served: 285

Community: Seldovia, City of
Project Title: Extend Water Systems
Appropriation Requested: \$721,000

Project Description:

The project will open up 36 new lots for construction and upgrade 20 existing lots with an upgraded water system.

Project Need:

Cost Estimated By:

Dave Martin

City of Seldovia

234-7878

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Seldovia, City of

Extend Water Systems

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$72,100
Engineer/Inspect:	\$144,200
Construction:	\$486,675
Equipment:	\$18,025
Other:	
Total:	\$721,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Dave Choquette
P. O. Drawer B
Seldovia 99663
234-7878

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 3
Local Budget Priority: One
Population Served: 285

Community: Seldovia, City of
Project Title: Extend Sewer Lines
Appropriation Requested: \$901,000

Project Description:

The project will construct 2,120 feet of 8 inch sewer line and 56 lots will be opened for development by the City.

Project Need:

Cost Estimated By:

Dave Martin

City of Seldovia

234-7878

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Seldovia, City of

Extend Sewer Lines

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration: \$90,200
Engineer/Inspect: \$180,200
Construction: \$612,575
Equipment: \$18,025
Other:
Total: \$901,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: No
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Dave Choquette
P. O. Drawer B
Seldovia 99663
234-7878

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 3

Local Budget Priority:

Population Served:

Community: Seldovia, City of

Project Title: Repair and Renovation of Water System

Appropriation Requested: \$0

Project Description:

Note: Community did not provide any estimate of costs or indicate the amount of the appropriation requested.

Seldovia is currently working towards compliance with SWTR by filtration avoidance. Deficiencies exist in our aging water system. Seldovia should not use over 30,000 gpd, but we are using over 220,000 gpd. We are finding it increasingly difficult to comply with and complete the FY95 grant. The project scope is to locate, repair and/or replace leaking pipe and attachments in our existing water distribution system; repair mechanical and electrical systems in our water buildings; upgrade and repair our storage tank; and identify water consumption habits of residents and businesses on the water system. Upgrades will allow us to comply with the surface water rule.

Project Need:

Our main concern is public health. When the system is leaking, or is shut down, we face the very real danger of cross contamination, the hazard being ground water polluted by septic tank systems, and leaks from buildings. Storage tank repair will improve efficiency and give us a larger volume of treated water. The required amounts of chlorine necessary at this time to disinfect is alarming, given the increased concerns of high dosage use. Lower chlorine doses, shorter holding times and flexibility with the levels of the tank will improve system efficiency and reduce THM potential. High levels of chlorine are running into the salt water. Excess water demands create more wear on the existing water system and is taxing our sewer lines. This excess leakage puts stress on our water source. Inability to provide more than two days of reserve water places us in a dangerous situation if we lose our source. Crypto has been found by DEC in the lower dam area so it is no longer acceptable as a secondary source.

Cost Estimated By:

Dave Choquette

City of Seldovia

City Manager

234-7643

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Seldovia, City of

Repair and Renovation of Water System

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

Administration:

Engineer/Inspect:

Construction:

Equipment:

Other:

Total:

Community Resolution passed
requesting money through VSW and
indicating a priority?

No

Will federal money be used: Yes

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator:

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

Dave Choquette

P. O. Drawer B

Seldovia

99663

234-7643

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 235

Community: Shaktoolik, City of
Project Title: Water Tank Renovation
Appropriation Requested: \$142,200

Project Description:

The City's 848,000 gallon water tank must be repaired, including sandblasting to remove rust corrosion, and painting the interior with epoxy based paint; I-Beams require welding, sandblasting and painting, and the bands around the tank must be replaced. The foam insulation must be replaced, along with the I-beam bolts. This tank is the only water storage tank for the community.

Project Need:

Currently we do not have a certified operator. A submersible pump is needed for cleanup so that the City and its consumers will have continuous access to water. A comprehensive plan has been completed documenting the need for these improvements. This plan is a priority and has been discussed by the community, Council, water plant operator, Public Health Service, and OEH personnel.

Cost Estimated By:

Roger Burleigh

ADEC-VSW

Engineer

269-7606

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Shaktoolik, City of

Water Tank Renovation

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$14,200
Engineer/Inspect:	\$2,000
Construction:	\$3,000
Equipment:	\$100,000
Other:	\$23,000
Total:	\$142,200

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Edgar Jackson

P. O. Box 10

Shaktoolik 99771

955-3441

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 38
Local Budget Priority: One
Population Served: 161

Community: Sheldon Point, City of
Project Title: Community Water & Sewer System,
Phase I
Appropriation Requested: \$1,311,500

Project Description:

This project extends the 1996-97 sanitation study and facility improvement plan to eliminate the present watering point and honey bucket system. by building: 1) Water treatment plant/washeteria complex; 212,000 gal. water storage tank, upgraded raw water transmission line and intake; 2) Utility line causeway across Swan Lake, and a sewage force main to the proposed sewage lagoon, and upgrade of pond to lagoon. 3) Above ground vacuum sewer system, and circulating water distribution system. An existing dilapidated raw water transmission line and intake will be replaced with a new intake and pile supported insulated pipeline (1230 lf) to bring water from the Yukon River to the new water treatment plant and washeteria. This line avoids the school and sewage lagoon. A 700 ft. gravel causeway will be built across Swan Lake for water and sewer lines to the Swan Lk. Subdivision.

Project Need:

This project ensures a safe, dependable source of water for the new water treatment plant. The existing pipeline is suffering from years of harsh weather and foundation settlement. The hazards and deficiencies include exposed electrical wires, an unsanitary water intake, failing pipe supports and inadequate freeze protection system. Building the causeway will enable the community to have a support system for future water distribution loop, vacuum sewer system and sewage force main to a remote sewage lagoon. The existing sewage lagoon 's bin wall dikes have settled, causing raw sewage to flow directly into Swan Lake. This lagoon can be abandoned when the causeway and piping systems are built. The consequence of not doing this project would cause a greater flow of sewage into Swan Lake and prevent implementation of the piped water/sewer system to the residents. Raw sewage flow into a lake in the middle of town is an obvious threat to public health.

Cost Estimated By:

Chuck Eggener
Eggener Consulting Engineers
Engineer
349-1010

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Sheldon Point, City of

Community Water & Sewer System,
Phase I

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$19,000
Engineer/Inspect:	\$55,000
Construction:	\$1,146,500
Equipment:	\$56,000
Other:	\$35,000
Total:	\$1,311,500

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes

Amount: 98,000

Source: USDA-RDA

Date

Received: 1998

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Carn Finch

P. O. Box 26

Sheldon Point

99666

498-4226

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 37
Local Budget Priority: One
Population Served: 260

Community: Shungnak, City of
Project Title: Water and Sewer Improvements,
Phase I
Appropriation Requested: \$1,816,000

Project Description:

The feasibility and master plan prioritized and phased Shungnak's needs. Ph. I includes

1. Safety improvements, mechanical, and electrical modifications to the water treatment plant to bring it up to code, improve water quality by adding a bag/cartridge filtration unit downstream of the pressure filters to comply with SWTR, repair and rehabilitation of the emergency generator, and increased chlorine contact time in the water storage tank by constructing baffles to prevent short circuiting;
- 2) Safety fence on sewage lagoon will be repaired or replaced;
- 3) A new water infiltration gallery/intake structure, and
- 4) replace approximately 6,400 feet of sewer outfall line that are 25 year sold, cracked, broken, poorly sloped and clogged.

Project Need:

The existing water treatment system does not meet code or the latest SWTR. There is no source of emergency power, no spare water circulation pumps, the filter media is old and deteriorated, and the diffuser lines in the water storage tank are broken, limiting chlorine contact time. The water infiltration gallery was destroyed several years ago by ice, and a makeshift, labor intensive, expensive collection process is used. The fence around the sewage lagoon is in urgent need of repair/replacement. The gravity sewer mains are perpetually clogged, resulting in sewage being discharged onto the ground in residential and public areas. The sanitation and environmental conditions have been noted by Maniilaq Health Center professionals.

Cost Estimated By:

Steward G. Osgood, P. E.
NANA/DOWL Joint Venture
Engineer
562-2000

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Shungnak, City of

Water and Sewer Improvements, Phase I

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:
Engineer/Inspect: \$237,000
Construction: \$1,579,000
Equipment:
Other:
Total: \$1,816,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Helen Mitchell
P. O. Box 59
Shungnak 99773
437-2161

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 120

Community: Stevens Village IRA Council
Project Title: Solid Waste Improvements
Appropriation Requested: \$660,000

Project Description:

This solid waste project will construct a new, permittable landfill with a 30 year life.

Project Need:

The current landfill is very close to the end of its useful life and will overflow its capacity soon. The current site is an open dump that cannot meet Class III permit requirements. Both of these conditions need to be fixed to improve sanitation.

Cost Estimated By:

Lynn Marino
ADEC-VSW
Engineer
269-7502

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Stevens Village IRA Council

Solid Waste Improvements

PLANNING COMPLETED

Plans & Specifications:

Feasibility Plan: Yes

Comprehensive Study:

Is this a phased project: Yes

PROJECT COSTS

Administration:	\$26,000
Engineer/Inspect:	\$50,000
Construction:	\$360,000
Equipment:	\$148,000
Other:	\$76,000
Total:	\$660,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes

Certified Primary Operator: No

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Jay Stevens

P. O. Box 16

Stevens Village 99774

478-7420

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 63

Community: Takotna Tribal Council
Project Title: Solid Waste Improvements
Appropriation Requested: \$221,800

Project Description:

This project will close the old open dump and construct a new, permitted landfill with a burn box-type incinerator and a complete fence. An excavator will be purchased for the construction and the operation of the new landfill because the soil is suitable for trenches.

Project Need:

The current landfill has reached its capacity and is an open dump where waste is disposed of in an overfilled shallow pit, scattered over a large area and outside of the fenced enclosure. The current site attracts animals and these animals in turn can spread disease. The current site is not permitted and the new site would be permitted.

Cost Estimated By:

Lou Butera

Eagle River Engineering Services

696-7375

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Takotna Tribal Council

Solid Waste Improvements

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$9,500
Engineer/Inspect:	\$4,500
Construction:	\$39,800
Equipment:	\$150,000
Other:	\$18,000
Total:	\$221,800

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: No
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

George Miller

General Delivery

Takotna

99675-9999

298-2212 or 345-0231

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 120

Community: Tanacross, Village of
Project Title: Water Facility Improvement
Appropriation Requested: \$2,200,000

Project Description:

This project will construct a 120,000 gallon water storage tank, refurbish the existing water plant and washeteria, replace valves, services and hydrants on a water loop; extend water and sewer service to Third Avenue and install sewer services.

Project Need:

Installation of sewer services is the final phase of sewer construction for the core area of town. Existing community drain fields have overflowed resulting in both pollution and public safety concerns. Existing water lines are 20 years old and near the end of their useful life. Residents on Third Avenue have no water or sewer service, resulting in a public health concern.

Cost Estimated By:

David Yanoshek, P. E.

CRW Engineering Group

562-32352

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 350

Community: Tanana, Too'gha, Inc.
Project Title: Sanitation Improvements, Phase II
Appropriation Requested: \$2,000,000

Project Description:

This project will be to

- 1) complete the ongoing construction of a new water treatment plant and laundry; and
- 2) construct piped water and sewer in half of downtown Tanana.

Project Need:

Tanana is currently served by a very limited 20-year old piped water and sewer system and water plant/laundry which has outlived its usefulness. Most residents do not have access to the piped system, using privies and honey buckets for sewage disposal. They must haul water from the watering point and laundry. Last year the sewer system froze, resulting in discontinued service to the City office and the head start building. Two years ago one of the sewer lines separated. Due to a design error, a sewer line runs directly over the water storage tank in the water treatment plant. These are potentially very serious health and pollution hazards. Too'gha is currently building a new water plant/laundry. This request for grant money is to complete the new building and to install the first phase of pipes to serve downtown homes and businesses. When the new piped system is complete the old pipes will be removed or abandoned in place and privies and honey buckets will be eliminated.

Cost Estimated By:

Jordan Suhr, PE, and Lyn Marino

Montgomery Watson and ADEC-VSW
Engineers
266-1124 and 269-7602

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Tanana, Too'gha, Inc.

Sanitation Improvements, Phase II

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$200,000
Construction: \$1,460,000
Equipment:
Other: \$340,000
Total: \$2,000,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

 Yes

Will federal money be used: Yes
Amount: 329,000 1,125,000
Source: EPA ISA 95 PHS 95-L44
Date
Received: 1995 1995

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Mike Andon
P. O.Box 190
Tanana 99777
366-7209, Fax: 366-7227

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 35
Local Budget Priority: One
Population Served: 100

Community: Tatitlek, Native Village
Project Title: Water Project
Appropriation Requested: \$1,090,000

Project Description:

This project will fund the second phase of a two-phase water project. This phase will construct an addition to the existing water treatment plant (WTP). The addition will house new filtration equipment to bring the village into compliance with State regulations for the treatment of surface waters. The equipment will include 3-4 ft. diameter multimedia filters, equipment for polymer injection, streaming current detection, process monitoring and instrumentation, electrical upgrades including a UPS inverter, and exterior and interior plumbing improvements. Other items of work include a leak detection survey and major leak repairs, dam and intake improvements, access trail improvements, water main and distribution system reconfigurations to improve contact time and water pressure, operation and maintenance chemicals, supplies and equipment.

Project Need:

The community water system does not comply with the Surface Water Treatment Rules and State of Alaska regulations. Giardiasis, gastrointestinal, and other viral infections have documented occurrences in water systems not in SWTR compliance. The existing system does not have the capability to achieve regulatory requirements for three log removal or inactivation of giardia cysts or 4-log removal or inactivation of viruses. The water distribution system and water storage facilities cannot provide adequate disinfection contact time. There are documented cases of gastroenteritis of an unknown ideology with symptoms compatible with Giardiasis. The village has in the past issued boil water notices.

Cost Estimated By:

Dale Mossefin

US PHS

729-3538

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Tatitlek, Native Village

Water Project

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:
Engineer/Inspect: \$158,730
Construction: \$809,800
Equipment:
Other: \$121,470
Total: \$1,090,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 50,000 463,562
Source: IHS HUD-CDBG
Date
Received: FY97 FY97

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Gary Kompkoff
P. O. Box 171
Tatitlek 99677
325-2311 Fax: 325-2298

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38
Local Budget Priority: One
Population Served: 270

Community: Teller, City of
Project Title: Washeteria Upgrades & Funding
Appropriation Requested: \$26,000

Project Description:

This project will upgrade washeteria equipment by purchase of the following to supplement existing equipment:

- 1) Two new SC35 washers;
- 2) One new Royal 200 soap dispenser;
- 3) Two new System IV coin operated shower control systems;
- 4) One new Bock hydro-extractor 216.

Project Need:

This project is needed because the existing equipment is very old and has been in continuous operation for 14 years. Two washers and one dryer are now unusable. This new equipment will be installed with better and more efficient lint traps. For the past several years, the Teller school has been flooded with wastewater due to clogged pipes occurring during operation of the laundry. This flooding poses a serious problem to the school children and we hope to eliminate and minimize this health hazard by installing new equipment and more efficient lint traps in the laundry.

Cost Estimated By:

Willis O. Kugzruk

City of Teller

642-3401

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Teller, City of

Washeteria Upgrades & Funding

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration: \$660
Engineer/Inspect:
Construction: \$1,972
Equipment: \$22,800
Other: \$568
Total: \$26,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Charlie Lee

P. O. Box 548

Teller

99778

642-3401 Fax: 642-2051

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 5
Local Budget Priority: One
Population Served: 525

Community: Thorne Bay, City of
Project Title: Water Plant Upgrade Project
Appropriation Requested: \$110,000

Project Description:

This project will complete needed upgrades to the Thorne Bay water treatment plant to bring it back into compliance with the Safe Drinking Water Act Reauthorization regulations. Upgrades include installation of an in-line turbidimeter, chart recorder, portable turbidimeter, upgraded backwash pump, backwash flow regulators, process flow meter, streaming current meter and controller, injection quills, pulsation dampers, additional sampling ports, new chemical feed pumps, differential pressure gauges, and automatic polymer mixing system. The project also includes miscellaneous piping and wiring, lab testing, engineering and inspection, and construction contingency.

Project Need:

The project is needed to bring the Thorne Bay water treatment plant back into compliance with the Safe Drinking Water Act. The most serious compliance problem is the Disinfectants, Disinfection Byproducts Rule. Thorne Bay water contains high amounts of trihalomethanes due to the presence of high organics in its natural raw water. The SDWA targets removal of trihalomethanes in drinking water as a public health hazard.

Cost Estimated By:

Kurt Z. Egelhofer, P. E.

ADEC-VSW

Engineer

269-7601

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Thorne Bay, City of

Water Plant Upgrade Project

PLANNING COMPLETED

Plans & Specifications: No

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

PROJECT COSTS

Administration:	
Engineer/Inspect:	\$25,000
Construction:	\$24,500
Equipment:	\$49,150
Other:	\$11,350
Total:	\$110,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: Yes

Drinking Water Compliance: Yes

O & M Costs Identified: Yes

User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Ginny L. Tierney

P. O. Box 19110

Thorne Bay **99919**

828-3380

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 850-90
0

Community: Togiak, City of
Project Title: Comprehensive Study of Sewer
Treatment Lagoon Upgrade
Appropriation Requested: \$50,000

Project Description:

This comprehensive study of Togiak's sewer treatment lagoon upgrade would determine the actual costs. The project would replace or repair sewer force main to the sewer lagoon. The existing sewer lagoon would be drained and the sewage sludge removed to the landfill. A secondary sewage treatment lagoon would be built to provide additional treatment. The 25 year old fence which does not adequately protect the sewage lagoon would be replaced with a new fence to ensure that unauthorized access is not permitted. This project would upgrade the sewage treatment facility to adequately serve the community for the next 25-50 years.

Project Need:

The existing sewage lagoon has not been upgraded in the past and was built to provide sewage treatment for a community of 400-500 people. Togiak's population is now 850+ and is growing at a rapid rate. The existing lagoon overflows untreated sewage in the winter months, causing a pollution hazard. The snow machine trail to the new Togiak Heights subdivision goes through this area of pollution and several snow machines have been stuck in 1-2 feet of sewage overflow. This results in a health hazard as potentially infectious pollution is contracted by the people traveling through this overflow to their homes, children and families.

Cost Estimated By:

Darryl J. Thompson

City of Togiak

493-5065

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Togiak, City of

Comprehensive Study of Sewer
Treatment Lagoon Upgrade

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:
Feasibility Plan:
Comprehensive Study:
Is this a phased project: Yes

Administration: \$50,000
Engineer/Inspect:
Construction:
Equipment:
Other:
Total: \$50,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Darryl J. Thompson
P. O. Box 99
Togiak 99678

493-5820 or 5065

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 36
Local Budget Priority: One
Population Served: 480

Community: Tuluksak Native Community
Project Title: Water Storage Tank
Appropriation Requested: \$180,500

Project Description:

Tuluksak needs a large water storage tank for the washeteria and water plant. Currently the water plant serves the whole community including both schools, the washeteria, the watering point, and clinic. Our usable water storage is less than 7,000 gallons. Repairs have been made to the washeteria, but it cannot be operated due to lack of water. In the future we hope for a better sanitation system, which will use more water and will need water storage. Our water quality is very poor, so all the water must be treated at the water plant, which also needs more water storage.

Project Need:

We need safe water for drinking, showering, and laundry. The water storage tank is starting to have problems like holes in the side. Since the washeteria has opened, there has not been enough water to keep it open on a regular basis. Our level of sanitation is very poor. We must haul our own water from the watering point. Honey bucket waste is dumped into disposal pits. We need enough water for the community so people are able to wash hands, clothes and take showers.

Cost Estimated By:

Sammy J. Peter, Sr.

Tuluksak Native Community

695-3420

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Tuluksak Native Community

Water Storage Tank

PLANNING COMPLETED

Plans & Specifications: No

Feasibility Plan: Yes

Comprehensive Study: No

Is this a phased project: Yes

PROJECT COSTS

Administration: \$7,500

Engineer/Inspect: \$18,000

Construction: \$130,000

Equipment:

Other: \$25,000

Total: \$180,500

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: Yes

Amount: 50,000

Source:

Date

Received: 1991

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operator: No

Drinking Water Compliance: Yes

O & M Costs Identified: No

User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Sammy Peter

P. O. Box 95

Tuluksak 99679-0095

695-6420, Fax: 695-6932

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 39
Local Budget Priority: One
Population Served:

Community: Tuntutuliak Community Svcs. Assn.
Project Title: Washeteria Upgrade
Appropriation Requested: \$50,000

Project Description:

This project will accomplish the following:

- 1) Design and construct a level control system to automate the filling of the water tank.
- 2) Design and construct the laundry service area upgrade, including:
 - a) removal of mens' lavatory room to make room for additional laundry units;
 - b) purchase and install 4 washing machines, and
 - c) purchase and install an extractor.
- 3) Survey and redesign the waste heat system from the power plant to the washeteria.

Project Need:

Cost Estimated By:

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Tuntutuliak Community Svcs. Assn.

Washeteria Upgrade

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications:

Feasibility Plan:

Comprehensive Study:

Is this a phased project:

Administration:

Engineer/Inspect:

Construction: \$34,000

Equipment: \$16,000

Other:

Total: \$50,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Will federal money be used:

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: No

Certified Backup Operator: No

Drinking Water Compliance:

O & M Costs Identified:

User Fee Ordinance Adopted:

Robert Enoch

P. O. Box 8127

Tuntutuliak 99680

256-2529

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 379

Community: Tuntutuliak Community Svcs. Assn.
Project Title: Prepayment Collection System
Appropriation Requested: \$104,300

Project Description:

This project's purpose is to utilize a pay-as-you-go payment system that can be used successfully in a small remote community as a means of ensuring adequate monies to operate and maintain village water, sewer and solid waste systems. The pay-as-you-go PowerStat system will be used in conjunction with collections for electric utility services provided by Tuntutuliak Community Services Association (TCSA).

Project Need:

This grant request reflects a "turn-key" installation incorporating all costs associated with supply and installation of 90 PowerStat systems. This includes equipment, material, freight, transportation, living expenses, labor, training, startup and all other direct and indirect costs associated with the project.

Cost Estimated By:

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Tuntutuliak Community Svcs. Assn.

Prepayment Collection System

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes

Feasibility Plan:

Comprehensive Study:

Is this a phased project:

Administration:

Engineer/Inspect:

Construction:

Equipment: \$104,300

Other:

Total: \$104,300

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used:

Amount:

Source:

Date

Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator:

Certified Backup Operator:

Drinking Water Compliance:

O & M Costs Identified: Yes

User Fee Ordinance Adopted:

Robert Enoch

P. O. Box 8127

Tuntutuliak 99680

256-2529

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38
Local Budget Priority: One
Population Served: 340

Community: Tununak Traditional Council
Project Title: Flush tank and Haul
Appropriation Requested: \$815,000

Project Description:

This project will provide water and sewer service to 30 homes in Tununak. The Tununak Traditional Council and the IRA Council are committed to ridding our community of honey buckets. This project will be a major step in that objective, following the Sanitation Feasibility Study and Environmental Review done in March, 1993.

Project Need:

The honey bucket is a health hazard in the extreme to our people. The stink and disease spread in our community by honey buckets is unimaginable to most people. The pollution is rampant and makes its way into the air and our waters. If this project is not done our people will continue to suffer from oral-fecal. disease transmission.

Cost Estimated By:

Shaun Baron

Cowater Alaska, Inc.

522-5511

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Tununak Traditional Council

Flush tank and Haul

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:	\$16,200
Engineer/Inspect:	\$186,300
Construction:	\$607,500
Equipment:	\$5,000
Other:	
Total:	\$815,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: Yes
Amount: 600,000
Source: EPA
Date
Received: 1992& 93

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Peter Pitka
P. O. Box 97
Tununak **99681**

652-6312

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 39
Local Budget Priority: One
Population Served: 59

Community: Twin Hills Village Council
Project Title: Sewer and Water Improvements
Appropriation Requested: \$726,200

Project Description:

This project will repair the existing piped sewer system, provide fencing around the sewage lagoon, repaint and reinsulate the water storage tank, replace 23 water service lines and extend water and sewer service to the new housing. These improvements are proposed as a necessary community infrastructure repair in preparation for a funded housing development. This development includes 16 new homes, 11 of which will be on lots 600 to 1100 feet south of existing housing.

Project Need:

- 1) The existing sewage system has settled and may be broken in the final leg to the lagoon. This has caused the system to back up and creates the potential for ground water contamination.
- 2) The fence around the lagoon has fallen over in many areas due to frost jacking up the posts. These posts need to be reset to provide a barrier for children playing near the lagoon.
- 3) Extending water and sewer to the new houses will provide safe sanitary conditions for all homes in the community. Individual well and septic systems for the new houses are not safe because the lots are only .5 acres, creating potential ground water contamination problems.

Cost Estimated By:

Daniel Reitz, P. E.

PHS

729-3500

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Twin Hills Village Council

Sewer and Water Improvements

PLANNING COMPLETED

Plans & Specifications: No
 Feasibility Plan: No
 Comprehensive Study: No
 Is this a phased project: Yes

PROJECT COSTS

Administration:	\$20,000
Engineer/Inspect:	\$30,000
Construction:	\$626,200
Equipment:	\$50,000
Other:	
Total:	\$726,200

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used: No
 Amount:
 Source:
 Date
 Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
 Certified Primary Operator: Yes
 Certified Backup Operator: Yes
 Drinking Water Compliance: Yes
 O & M Costs Identified: No
 User Fee Ordinance Adopted: No

COMMUNITY CONTACT

George Pleasant, Sr.
 P. O. Box TWA
 Twin Hills 99576
 525-4821

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 40
Local Budget Priority: One
Population Served: 75

Community: Ugashik Traditional Village Council
Project Title: Landfill
Appropriation Requested: \$3,000,000

Project Description:

This project will build a sanitary landfill which will be located approximately one mile east of Ugashik Village. This landfill will be enclosed by a fence. An incinerator has been built and will be placed at the landfill. We plan to have a trained utility manager. All solid waste will be separated.

Project Need:

At the present time each household has garbage pits on their property which are filled with all types of solid waste, including toxic waste materials. With a sanitary landfill we can control and reduce environmental pollution. We also need a place for storing toxic wastes.

Cost Estimated By:

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Ugashik Traditional Village Council

Landfill

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan:
Comprehensive Study:
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$30,000
Engineer/Inspect:	\$510,000
Construction:	\$2,100,000
Equipment:	\$300,000
Other:	\$60,000
Total:	\$3,000,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: No
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: No
O & M Costs Identified: No
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Nancy L. Flensburg
Ugashik via
King Salmon 99613

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 23
Local Budget Priority: One
Population Served: 784

Community: Unalakleet, City of
Project Title: Water Storage Tank Rehabilitation &
Water Treatment Plant Rehab.
Appropriation Requested: \$260,000

Project Description:

1. Water Treatment Plant rehabilitation - replace copper piping with non-corrosive piping, remove non-functioning controls, rewire to comply with National Electric Code and AML/JIA Safety Inspection 7-98 (98-33).
2. Water Storage Tank Rehabilitation - original construction did not provide for cathodic protection. Install cathodic protection in 1 MG reservoir to extend steel tank life, repair exterior tank corrosion, replace foam coating with "shark skin" coating, eliminate surface punctures, install safety ladder and handrails.

Project Need:

1. This project is necessary to comply with ADEC's Lead and Copper Requirements, 18 AAC 80.601 and 18 AAC 80.875. The existing piping will be replaced with plumbing material that conforms with the current edition of National Sanitation Foundation (NSF) Standard 61. The existing copper lines will continue to corrode and develop leaks.
2. Water Tank Rehabilitation will provide compliance with ANSI/NSF Standards and with OSHA Safety Standards. Without cathodic protection and new exterior cover, corrosion both on the interior and exterior will accelerate. Without safety equipment, the potential for personal injury exists. Note: This project replaces funding diverted to water line freeze up in January, 1997 as shown on Resolution 97-01 and 97-03.

Cost Estimated By:

Greg Magee

Montgomery Watson

248-8883

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Unalakleet, City of

Water Storage Tank Rehabilitation &
Water Treatment Plant Rehab.

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$43,050
Engineer/Inspect:	\$29,400
Construction:	\$178,500
Equipment:	
Other:	\$9,050
Total:	\$260,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes
Amount: \$3,000	239,400
Source: USDA-RDA	USDA-RDA
Date	
Received: 1994	1997

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified:
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

David L. Soulak

P. O. Box 28

Unalakleet **99684**

624-3531

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36

Local Budget Priority:

Population Served: 106

Community: Upper Kalskaq, City of

Project Title: Sewage Disposal Ph. III for George Morgan High School

Appropriation Requested: \$2,208,000

Project Description:

This project will provide sewage disposal for George Morgan Senior High School. The high school's current septic tank and leach field system has failed resulting in discharge of raw sewage into the school yard. In addition to the school this project will serve the community building and residential units as far south as the Parents Complex which consists of two residences, a store and three rental units.

Project Need:

This project is needed to prevent health problems within the High School. It would delete the possibility of the E coli bacteria from infecting our students and staff, because it would eliminate the raw sewage in the school.

Cost Estimated By:

Jordan Suhr

Summit Consulting

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Upper Kalskag, City of

Sewage Disposal Ph. III for George
Morgan High School

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

Administration:
Engineer/Inspect:
Construction:
Equipment:
Other: \$2,208,000
Total: \$2,208,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

No

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: No
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

Paul Kameroff, Jr.
P. O. Box 60
Upper Kalskag 99607
471-2220

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 36
Local Budget Priority: One
Population Served: 200-250

Community: Venetie Village Council
Project Title: Solid Waste Project
Appropriation Requested: \$750,000

Project Description:

The proposed project will accomplish the following:

- 1) Close out and rehabilitate the old solid waste dump site, constructed by PHS in the late 1970's.
- 2) Build a new solid waste dump site near the old dump site.

Project Need:

The existing solid waste site is overflowing. This site was inadequately sized when it was built 20 years ago. Our population has almost doubled. Current maintenance efforts have been to only push back the debris from the access because City finances do not allow a better job to be done. Environmental technicians and environmental specialists have indicated there is a definite health hazard associated with the solid waste site.

Cost Estimated By:

Dan Williams

PHS

800-560-8637

**Department of Environmental
 Conservation
 FY 98 Capital Budget Request
 Village Safe Water**

Venetie Village Council

Solid Waste Project

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: No
Comprehensive Study: No
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$40,000
Engineer/Inspect:	\$80,000
Construction:	\$530,000
Equipment:	\$100,000
Other:	
Total:	\$750,000

**Community Resolution passed
 requesting money through VSW and
 indicating a priority?**

 Yes

Will federal money be used: No
Amount:
Source:
**Date
 Received:**

**OPERATION & MAINTENANCE
 COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: No

COMMUNITY CONTACT

Walter John, Jr.
P. O. Box 119
Venetie **99781**
849-8212 or 8229

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 7
Local Budget Priority: One
Population Served: 200

Community: Voznesenka Homeowners Assn.
Project Title: Water System
Appropriation Requested: \$1,700,000

Project Description:

This project will develop a new water source for the community. It will install:

- 1) a water treatment plant and put in water mains and hook up community homes.
- 2) roads will need to be capped;
- 3) training will need to be provided for water managers and operators;
- 4) fire hydrants will be installed for fire protection.

Project Need:

State health authorities issued a warning for Hepatitis. Community members have had previous health problems. An outbreak of E-Coli is imminent. These problems occur because no water treatment is available and no protection is made for the water source.

Cost Estimated By:

Mike Wolski
ADEC-VSW
Engineer
269-7603

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Voznesenka Homeowners Assn.

Water System

PLANNING COMPLETED

Plans & Specifications: No
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$10,000
Engineer/Inspect:	\$160,000
Construction:	\$1,450,000
Equipment:	\$50,000
Other:	\$30,000
Total:	\$1,700,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: Yes
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Zack Renton
P. O. Box 3005
Homer 99603
235-5630

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 37
Local Budget Priority: One
Population Served: 550

Community: Wainwright, City of
Project Title: Service Connections
Appropriation Requested: \$1,554,000

Project Description:

Project will provide plumbing upgrades to residences to allow hookup to water and sewer distribution and collection systems under development.

- A. Adding plumbing and fixtures to residences without these services.
- B. Upgrading vent, waste and water lines to code.
- C. Adding prefabricated toilet room modules to residences that cannot accommodate conventional toilets and sinks.
- D. Other related improvements necessary to accomplish plumbing upgrades.

Project Need:

There aren't enough residences with adequate plumbing facilities to hook up and utilize the water and sewer systems being installed. This places the new systems at risk, crippling the hydraulic and thermal integrity of the sewer mains. Currently many plumbing drains discharge gray water directly to the ground beneath the dwellings, allowing it to collect in pools which children play in, or to be absorbed or frozen. Most honey bucket users are without adequate bathing facilities or hand sinks. Water is often reused for handwashing several times by family members, promoting conditions for spread of water born disease. Honey bucket trucks often leak refuse on the roads as they collect buckets from homes, further causing health risks. Project funding would allow a managed plumbing upgrade program to occur, allowing the collection and distribution system startups in a scheduled and controlled basis.

Cost Estimated By:

Jeff Baker

North Slope Borough, CIPM

561-6605

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

Wainwright, City of

Service Connections

PLANNING COMPLETED

PROJECT COSTS

Plans & Specifications: Yes

Feasibility Plan:

Comprehensive Study:

Is this a phased project: Yes

Administration: \$55,000

Engineer/Inspect: \$155,000

Construction: \$1,280,000

Equipment:

Other: \$64,000

Total: \$1,554,000

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: Yes

Amount: 440,000

Source: USDA-RUS

Date

Received: FY97

**OPERATION & MAINTENANCE
COMMITMENT**

COMMUNITY CONTACT

Trained Operator: Yes

Certified Primary Operator: Yes

Certified Backup Operato.: Yes

Drinking Water Compliance: Yes

O & M Costs Identified:

User Fee Ordinance Adopted: Yes

Lydia Agnasagga

P. O. BOx 69

Barrow 99723

852-0200

Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water

Election District: 38
Local Budget Priority: One
Population Served: 193

Community: White Mountain, City of
Project Title: Water and Sewer Installation
Appropriation Requested: \$121,800

Project Description:

The project consists of installing sewer services to five residents and one resident with water service. Local laborers will put in sewer pipes to the existing main lines and also install the interior plumbing and fixtures to the five residents.

Project Need:

Currently the five resident are using honey buckets. This is inadequate and a health hazard. If the honey bucket is spilled on the floor it can result in hepatitis. Except for these residences, White Mountain has done away with honey buckets and outhouses. The water and sewer project will correct this problem and improve and provide adequate sanitation facilities for the community.

Cost Estimated By:

Roger Burleigh & IHS
ADEC-VSW & PHS
Engineer
269-7606

Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water

White Mountain, City of

Water and Sewer Installation

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$2,000
Engineer/Inspect:	\$13,800
Construction:	\$106,000
Equipment:	
Other:	
Total:	\$121,800

Community Resolution passed
requesting money through VSW and
indicating a priority?

Yes

Will federal money be used: No
Amount:
Source:
Date
Received:

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: No
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Dorothy Barr
P. O. Box 130
White Mountain 99784
638-3411

**Department of Environmental Conservation
FY00 Capital Budget Request
Village Safe Water**

Election District: 35
Local Budget Priority: One
Population Served: 900

Community: Whittier, City of
Project Title: Sewer System Improvements
Appropriation Requested: \$1,068,000

Project Description:

The project represents the completion of Phase II sanitary sewer improvements and wastewater treatment facility design. The project replaced badly worn AC sewer mains (constructed in the 1950's) in the town core. The project was previously funded and built this past summer. Finish work is still required including sewer service extensions and surface restoration. This project phase will include construction of a new lift station, force main and an upgraded water treatment facility. In addition, a second lift station is required to accommodate the treatment process. This project also includes the design and construction of the new wastewater treatment facility which will meet permit requirements and accommodate growth. The site is located, and a facility plan completed to determine final system components and sizing. Design will be completed this fall with construction scheduled for 1999.

Project Need:

The need for wastewater system improvements was reinforced during the water line construction when the school's sewer system was found connected to the storm sewer. The system experiences high levels of I/I as documented by pump readings at the lift station. The lack of adequate pumping capacity and inadequately sized force main has caused backups on several occasions over the past three years. A survey of the existing system revealed many manholes requiring remediation work. Not implementing the total sewer project will continue to create system stoppages and may cause untreated sewage to enter Prince William Sound. The remaining work involves completion of sewer services and wastewater treatment development and to comply with ADEC and EPA water quality regulations. It is essential to proper infrastructure development to accommodate growth related to the new Whittier Access Development (funded through the ISTEPA program and currently under construction).

Cost Estimated By:

William Van Hemert

CRW Engineering Group

562-3252

**Department of Environmental
Conservation
FY 98 Capital Budget Request
Village Safe Water**

Whittier, City of

Sewer System Improvements

PLANNING COMPLETED

Plans & Specifications: Yes
Feasibility Plan: Yes
Comprehensive Study: Yes
Is this a phased project: Yes

PROJECT COSTS

Administration:	\$50,000
Engineer/Inspect:	\$150,000
Construction:	\$868,000
Equipment:	
Other:	
Total:	\$1,068,000

**Community Resolution passed
requesting money through VSW and
indicating a priority?**

Yes

Will federal money be used:	Yes	
Amount:	246,300	1,042,000
Source:	EPA	EPA
Date Received:	1995	1997-98

**OPERATION & MAINTENANCE
COMMITMENT**

Trained Operator: Yes
Certified Primary Operator: Yes
Certified Backup Operator: No
Drinking Water Compliance: Yes
O & M Costs Identified: Yes
User Fee Ordinance Adopted: Yes

COMMUNITY CONTACT

Carrie Williams
P. O. Box 608
Whittier **99693**

472-2327

FY 2000 GOVERNOR'S MENTAL HEALTH TRUST OPERATING AND CAPITAL BUDGETS

		FY2000 TRUST RECOMMENDED					GOVERNOR'S ACTION						
		MHTA Admin	MHTAAR	GF/MH	AHFC Corp Receipts	GF	MHTA Admin	MHTAAR	GF/MH	AHFC Corp Receipts	GF	Tobacco Settlement Funds	Other Funds
FY 2000 Mental Health Trust Operating Budget													
Department of Administration													
DOA/DSS/HCB	Mental Health Needs of Elderly (Yr 3 of 3)		300.0					300.0					
DOA/DSS/HCB	Respite Care for ADRD Seniors		300.0					300.0					
DOA/DSS/HCB	Adult Day Grants			500.0					0.0				
DOA/DSS/HCB	Care Coordination Expansion			400.0					0.0				
DOA/DSS/PCSA	Rural LTCare Development & Training (Yr 2 of 2)		130.0					130.0					
DOA/DSS/PCSA	Data Development - Div of Senior Services		50.0					0.0	0.0				
DOA/DSS/PCSA	LTCare Ombudsman Volunteer Coordinator			70.0					0.0				
DOA/DSS/PCSA	Data Management - Div of Senior Services			50.0					0.0				
DOA/DSS/PCSA	Assisted Living Rate Increase (DOA)		300.0	480.0				0.0	0.0				
DOA Subtotal		0.0	1,080.0	1,500.0	0.0	0.0	0.0	730.0	0.0	0.0	0.0	0.0	0.0
Department of Corrections													
DOC/StwSvcs/Inm	Women's Psychiatric Unit (Yr 3 of 3)		200.0	200.0				200.0	200.0				
DOC/StwSvcs/Inm	Dept of Corrections Planner (Yr 3 of 3)		30.0	30.0				30.0	30.0				
DOC/StwSvcs/Inm	Jail Alternative Services (Yr 2 of 3)		130.0					130.0					
DOC/StwSvcs/Inm	Women's Resid Substance Abuse Trtmt (Yr 2 of 3)		51.2					51.2					
DOC Subtotal		0.0	411.2	230.0	0.0	0.0	0.0	411.2	230.0	0.0	0.0	0.0	0.0
Department of Health and Social Services													
PrchSv/RSChldCare	Comm Resid Alternatives for SED Yth (Yr 2 of 2)		150.0	50.0				150.0					
StHlthSv/HlthFam	Healthy Families Control Group Study (Yr 2 of 3)		100.0					100.0					
StHlthSv/ILPGrants	Institutional Prevention & Quality Assurance-ILP			429.2					0.0				
ADA/ADAAdmin	Youth Education, Assessment & Referral Program			50.0									50.0
ADA/Grants	Day Trtmnt Dually Diag (MI&Alc) - Ketch (Yr 3 of 3)		63.3					63.3					
ADA/Grants	Trauma Victim Study - Providence ER (Yr 3 of 3)		18.7					18.7					
ADA/Grants	Chronic Alcoholic Domiciliary LT Care (Yr 3 of 3)		100.0					100.0					
ADA/Grants	Program for Dually Diag (MI & Alc) Anch (Yr 3 of 3)		370.0					370.0					
ADA/Grants	Program for Dually Diag - (MI&Alc) Anch/MatSu			350.0					0.0				
ADA/Grants	Long-term Care Substance Abuse Treatment			200.0					0.0				
ADA/Grants	Residential Svcs for Women/Children			600.0					0.0		850.0	706.0	
ADA/Grants	Women & Children Collaboration Project (Yr 1 of 3)		50.0					50.0					
ADA/Grants	Youth Residential Service Capacity Expansion			50.0					0.0				
ADA/Grants	Spirit Camp Replication			63.0					0.0				
ADA/PrimaryPrev	Local Option Law "How To" Manual (Yr 3 of 3)		79.7					79.7					
ADA/PrimaryPrev	Fetal Alcohol Syn/ARBD/ARND Prev (Yr 3 of 4)		300.0					275.0			489.9		
	FAS Statewide Advisory Committee							25.0					
ADA/RHSvcsGrnts	Increase Rural Human Services		150.0	465.0				150.0			405.0		
ADA/RHSvcsGrnts	Increase Rural Human Services - project assist. for village based MH and substance abuse svcs.										60.0		
CMHG/GCMHG	Mental Health Consumer & Family Conference		43.7					43.7					
CMHG/GCMHG	API-Related Community Services Implementation		2,000.0					0.0					

FY 2000 GOVERNOR'S MENTAL HEALTH TRUST OPERATING AND CAPITAL BUDGETS

		FY2000 TRUST RECOMMENDED					GOVERNOR'S ACTION						
		MHTA Admin	MHTAAR	GF/MH	AHFC Corp Receipts	GF	MHTA Admin	MHTAAR	GF/MH	AHFC Corp Receipts	GF	Tobacco Settlement Funds	Other Funds
CMHG/GCMHG	Implement Integrated Quality Assurance Process (DD/MI/ILP) (Yr 2 of 2)		225.0					225.0					
CMHG/CMHG	Rural Svc for the Deaf/Hearing Impaired (Yr 2 of 2)		189.9					189.9					
CMHG/CMH	Assisted Living Rate Increase (DHSS)			454.0					0.0				
CMHG/PsychEmrg	Emergency, Respite & DET Outside API 2000 Area			500.0					0.0				
CMHG/SEDYth	Children's Service Delivery Model (Yr 1 of 3)		390.0					390.0					
CMHG/SEDYth	SED Youth Transition/Family Support Services			146.0					0.0				
CDDG/CDDG	Amer Disab Act Comm Prgm Accessibility (Yr 2 of 2)		100.0					100.0					
CDDG/CDDG	Earn as You Learn Program (Yr 1 of 3)		100.0					100.0					
CDDG/CDDG	Substance Abuse Services for People w/Multiple Diagnoses			240.0					0.0				
CDDG/CDDG	Institutional Prevention & Quality Assurance-DD			965.8					965.8				
CDDG/CDDG	Intensive Inclusive Childcare Training			77.0					0.0				
MHTBds/GCDSE	Economic Development Alliance (Yr 2 of 3)		200.0					200.0					
MHTBds/GCDSE	Employment Initiatives (Yr 3 of 3)		308.0					308.0					
MHTBds/GCDSE	DD Medicaid Waiver Study Implementation (Yr 2 of 2)		50.0					50.0					
Inst&Ad/API	API Quality Assurance (Yr 2 of 2)		20.0					20.0					
Inst&Ad/MHDDAdm	Mental Health Consumer Affairs Position (Yr 2 of 2)		90.0					90.0					
AcSvcs/Pln&Facil	Comprehensive Integrated Mental Health Plan		50.0					50.0					
DHSS Subtotal		0.0	5,148.3	4,640.0	0.0	0.0	0.0	3,148.3	965.8	0.0	0.0	1,804.9	756.0
Trust Administered Projects (not subject to Governor's approval; amounts included here for accounting purposes)													
Trust Administered	Trust Small Projects Funding (3 lines/year)		105.0					105.0					
Trust Administered	Rural Outreach Project		25.0					25.0					
Trust Administered	Board Collaboration		20.0					20.0					
Trust Administered	Telepsychiatry		25.0					25.0					
Trust Administered	Miller Trust Project		25.0					25.0					
Trust Administered Subtotal		924.9	200.0	0.0	0.0	0.0	0.0	200.0	0.0	0.0	0.0	0.0	0.0
FY2000 Adjustments to GF/MH Base													
DOA/AKL/Pln&Hms	Pioneer Homes			3,480.7		(3,480.7)			3,480.7		(3,480.7)		
DOA/Legal& Advoc	Office of Public Advocacy			564.8		(564.8)			564.8		(564.8)		
Trust Administered Subtotal		0.0	0.0	4,045.5	0.0	(4,045.5)	0.0	0.0	4,045.5	0.0	(4,045.5)	0.0	0.0
FY2000 Trust Administration and Natural Resource Management													
DOR/MHTA	Trust Authority Administration (8.9% of total MHTAAR)	924.9						924.8					
DNR/MHT Land Office	Mental Health Trust Land Office and Natural Resource Management		938.5					938.5					
MHTA Admin Total		924.9	938.5	0.0	0.0	0.0	0.0	1,863.3	0.0	0.0	0.0	0.0	0.0
OPERATING TOTALS (Note: GF/MH projects are in addition to base.)		1,849.8	7,778.0	10,415.5	0.0	(4,045.5)	0.0	6,352.8	5,241.3	0.0	(4,045.5)	1,804.9	756.0

FY 2000 GOVERNOR'S MENTAL HEALTH TRUST OPERATING AND CAPITAL BUDGETS

		FY2000 TRUST RECOMMENDED					GOVERNOR'S ACTION						
		MHTA Admin	MHTAAR	GF/MH	AHFC Corp Receipts	GF	MHTA Admin	MHTAAR	GF/MH	AHFC Corp Receipts	GF	Tobacco Settlement Funds	Other Funds
FY 2000 Mental Health Trust Capital Budget													
Department of Administration													
DOA	Pioneer Homes Renovations				262.5				0.0				
DOA	Data Development-DSS (Capital)		100.0	100.0				0.0	0.0				
DOA	Juneau Adult Day Center			50.0					0.0				
DOA Subtotal		0.0	100.0	150.0	262.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Social Services													
JHSS	Program Facilities: Deferred Maintenance & American Disabilities Act Upgrades		250.0	250.0				250.0	250.0				
DHSS	Program Equipment		100.0	100.0				100.0	100.0				
DHSS	API Repair & Maintenance			225.0					225.0				
DHSS	API Replacement of Existing Facility			14,000.0		15,000.0		2,000.0					7,000.0
DHSS	Ketchikan Residential Diagnosis & Treatment Center			1,200.0					0.0				
DHSS	Rural Human Services Facilities Upgrades			500.0					0.0				
DHSS	Housing Modifications for People with Special Needs			420.0	500.0				150.0	250.0			
DHSS Subtotal		0.0	350.0	16,695.0	500.0	15,000.0	0.0	2,350.0	725.0	250.0	0.0	0.0	7,000.0
Department of Revenue													
DOR/AHFC	Beneficiary and Special Needs Housing Program				2,000.0				2,000.0				
DOR/AHFC	Homeless Assistance Program (HAP)		200.0		800.0			200.0	250.0				
DOR Subtotal		0.0	200.0	0.0	2,800.0	0.0	0.0	200.0	0.0	2,250.0	0.0	0.0	0.0
Department of Natural Resources													
DNR	Trust Land Office - Land & Resource Enhancement		660.0					660.0					
DNR Subtotal		0.0	660.0	0.0	0.0	0.0	0.0	660.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation													
DOT/PF	Coordinated Transportation & Vehicles		150.0	150.0				150.0	150.0				
DOT/PF Subtotal		0.0	150.0	150.0	0.0	0.0	0.0	150.0	150.0	0.0	0.0	0.0	0.0
CAPITAL TOTAL		0.0	2,670.0	33,690.0	6,862.5	30,000.0	0.0	6,570.0	1,600.0	5,000.0	0.0	0.0	14,000.0
OPERATING AND CAPITAL TOTALS		1,849.8	10,448.0	44,105.5	6,862.5	25,954.5	0.0	12,922.8	6,841.3	5,000.0	(4,045.5)	1,804.9	14,756.0

TONY KNOWLES
GOVERNOR



P.O. Box 110001
Juneau, Alaska 99811-0001
(907) 465-3500
Fax (907) 465-3532

STATE OF ALASKA
OFFICE OF THE GOVERNOR
JUNEAU

January 20, 1999

The Honorable Drue Pearce
Senate President
Alaska State Legislature
State Capitol
Juneau, AK 99801-1182

Drue
Dear President Pearce:

As part of the budget package I present to the Legislature today, I am transmitting this separate appropriation bill for the state's integrated, comprehensive mental health program. This bill includes both operating and capital appropriations. As required by statute, I have attached a report of the differences between my proposed budget and the recommendations of the Alaska Mental Health Trust Authority.

Alaska has made great progress in serving mental health settlement beneficiaries and emphasizing community-based services. This proposed FY2000 mental health bill continues that progress with state general funds and Trust Authority receipts. In addition, Alaska Housing Finance Corporation receipts are used for housing-related capital projects.

This bill is a comprehensive package that has been developed through a positive and productive working relationship between my Administration, members of the Board of Trustees, and their staff. We look forward to working with the Legislature to support these proposed investments for Trust beneficiaries.

Sincerely,

Tony Knowles
Tony Knowles
Governor

Attachment

TONY KNOWLES
GOVERNOR



P.O. Box 110001
Juneau, Alaska 99811-0001
(907) 465-3500
Fax (907) 465-3532

STATE OF ALASKA
OFFICE OF THE GOVERNOR
JUNEAU

January 27, 1999

The Honorable Drue Pearce
Senate President
Alaska State Legislature
State Capitol
Juneau, AK 99801-1182

Dear President Pearce:

Enclosed is a copy of OMB's letter to the Alaska Mental Health Trust Authority outlining the differences between the Governor's proposed budget and the recommendations of the Trust Authority as required by statute. The referenced report was submitted with the original Senate bill for introduction.

Sincerely,

Pat Pourchot
Legislative Director

Enclosure

STATE OF ALASKA

TONY KNOWLES, GOVERNOR

OFFICE OF THE GOVERNOR

OFFICE OF MANAGEMENT AND BUDGET

P.O. BOX 110020
JUNEAU, ALASKA 99811-0020
PHONE: (907) 465-4660
FAX: (907) 465-3008

January 22, 1999

Nelson Page, Chair
Members of the Board of Trustees
Jeff Jessee, Executive Director
Alaska Mental Health Trust Authority
3601 C Street, Suite 742
Anchorage, AK 99503

Dear Nelson and Jeff:

The governor has released his operating and capital budgets for fiscal year 2000. Once again, I want to thank you, the other members of the Board of Trustees and your staff for your contribution to this effort. Your cooperation and understanding greatly ease a demanding and often difficult task. I believe Trust beneficiaries and all Alaskans are well served by what has continued to be a positive and productive working relationship.

I have attached a list of the governor's actions on each of the Trust budget recommendations. Altogether, 51 of the Trust's proposals, as well as your administration and natural resource management expenses, were included in the governor's budget. We would like to continue to work with you on one which we did not incorporate but where we share the Trust's concerns — increasing the assisted living rate. We understand that legislators will be introducing a bill this session to address this problem, and we will support that legislation.

Due to low oil prices, we are facing significantly reduced general fund revenues this year and probably next. Despite this, the mental health bill includes \$2.7 million in additional general funds (on top of the transfer of GF to GF/MH). We are especially pleased to include \$965,800 to help developmental disabilities service providers recruit and maintain highly qualified staff. We have also applied \$1.8 million in tobacco settlement funds toward four projects the Trust recommended, including \$850,000 for substance abuse treatment for women. With the addition of \$706,000 in federal funds, we have

approved a total of \$1.5 million for this important program. For a number of reasons, we believe it is important to track the expenditure of tobacco settlement funds over the years, so we showed these in the operating bill with this new fund source rather than in the mental health bill as GF/MH.

In some cases where you proposed a general fund/MHTAAR matching arrangement, we provided less than the general fund amount you recommended. We did not unilaterally reduce the share from the Trust just because we had not fully funded your request. I understand that just prior to the release of our budget, the Trust directed staff that the ratio of Mental Health Trust Authority receipts to GF/MH should be maintained at the level in your original proposal. I hope you would reconsider scaling back your participation since that will simply mean meeting fewer needs of your beneficiaries.

Although we are still working on options for the new Alaska Psychiatric Institute facility, the capital bill contains \$9 million of Trust and federal receipts, anticipating debt financing of the remainder. We will continue to work closely with the Trust as the department brings forward the final plan for the governor's consideration. Here again, we appreciate the positive spirit and good working relationship as we all work toward a resolution of this issue.

We look forward to your support as we move into the legislative budget process. At the same time, we support your efforts to apply a results-based evaluation process to programs for Trust beneficiaries. Information about the effectiveness of mental health programs will help all of us make better informed choices as we search for the most efficient and productive uses of scarce resources.

Sincerely,

A handwritten signature in cursive script that reads "Annalee McConnell". The signature is written in black ink and is positioned above the printed name and title.

Annalee McConnell
Director

attachment

16-31

TONY KNOWLES
GOVERNOR



P.O. Box 110001
Juneau, Alaska 99811-0001
(907) 465-3500
Fax (907) 465-3532

STATE OF ALASKA
OFFICE OF THE GOVERNOR
JUNEAU

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Enclosure

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Sincerely,

A handwritten signature in black ink that reads "Annalee McConnell". The signature is written in a cursive style with a large, sweeping initial "A".

Annalee McConnell
Director

attachment

05/05/99
09:02:37

LEGISLATIVE TELECONFERENCE NETWORK SYSTEM
PARTICIPANT LIST (TESTIFIERS ONLY)
TCN:90712 SCHEDULED FOR:05/05/99 09:00 TO 11:00
PUBLIC HEARING SENATE FINANCE

LTN1150
BY:JNU
FOR:ALL

LOCATION: ANCHORAGE
SB 31

JEFF

JESSEE

TESTIFY