

**ALASKA LEGISLATURE**

**2056**

**HOUSE and SENATE FINANCE COMMITTEE FILES, 1999 - 2000**

**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**

**PROJECT COSTS**

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

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

**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**

**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

**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**

**PROJECT COSTS**

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

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**

**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

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**

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

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

No

<b>Will federal money be used:</b>	Yes	
<b>Amount:</b>	140,000	460,000
<b>Source:</b>	IHS	IHS
<b>Date</b>		
<b>Received:</b>	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**

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

**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**

**PROJECT COSTS**

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

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**

**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

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  
FY 98 Capital Budget Request  
Village Safe Water**

Copper Center Community

Septic Project

**PLANNING COMPLETED**

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

**PROJECT COSTS**

<b>Administration:</b>	\$4,500
<b>Engineer/Inspect:</b>	
<b>Construction:</b>	\$45,000
<b>Equipment:</b>	
<b>Other:</b>	
<b>Total:</b>	<b>\$49,500</b>

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

Yes

<b>Will federal money be used:</b>	Yes	
<b>Amount:</b>	150,000	100,000
<b>Source:</b>	Copper River Nat. Assn.	HUD - under review
<b>Date</b>		
<b>Received:</b>	98-99	98-99

**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**

**Mrs. Robbie Wuitschick**

**P. O. Box 68**

**Copper Center**                      **99573**

**822-5541**

**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

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

**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  
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**

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

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

**COMMUNITY CONTACT**

<p><b>Trained Operator:</b> Yes</p> <p><b>Certified Primary Operator:</b> Yes</p> <p><b>Certified Backup Operator:</b> No</p> <p><b>Drinking Water Compliance:</b> no</p> <p><b>O &amp; M Costs Identified:</b> No</p> <p><b>User Fee Ordinance Adopted:</b> 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**

# CORRECTION

THE FOLLOWING DOCUMENT(S)  
HAVE BEEN REFILMED TO  
ASSURE LEGIBILITY OR PAGINATION



Rev. 6/98

Central Microfilm Services  
Department of Education & Early Development  
State of Alaska

**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

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

**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**

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

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

Yes

<b>Will federal money be used:</b>	Yes	
<b>Amount:</b>	313,456	186,126
<b>Source:</b>	HUD	HUD
<b>Date</b>		
<b>Received:</b>	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
<b>Total:</b>	<b>\$900,000</b>

**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**

**Plans & Specifications:**

**Feasibility Plan:**

**Comprehensive Study:**

**Is this a phased project:** Yes

**Administration:** \$10,000

**Engineer/Inspect:** \$250,000

**Construction:** \$240,000

**Equipment:**

**Other:**

**Total:** \$500,000

**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:** Yes

**O & M Costs Identified:** No

**User Fee Ordinance Adopted:** Yes

**Preston Apangalook or Aaron  
Iworrigan  
P. O. Box 189**

**Gambell 99742**

**985-5521**

**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**

<b>Administration:</b>	\$30,000
<b>Engineer/Inspect:</b>	\$220,000
<b>Construction:</b>	\$1,600,000
<b>Equipment:</b>	
<b>Other:</b>	
<b>Total:</b>	<b>\$1,850,000</b>

**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:**

**Feasibility Plan:**

**Comprehensive Study:**

**Is this a phased project:** Yes

**Administration:**

**Engineer/Inspect:** \$98,000

**Construction:**

**Equipment:** \$2,000

**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**

**COMMUNITY CONTACT**

**Trained Operator:** Yes

**Certified Primary Operator:** Yes

**Certified Backup Operator:** No

**Drinking Water Compliance:** No

**O & M Costs Identified:** No

**User Fee Ordinance Adopted:** No

**Melissa Erickson**

**P. O. Box 60300**

**Healy Lake**

**Fairbanks**

**99706**

**876-5018**

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

<b>Administration:</b>	\$20,000
<b>Engineer/Inspect:</b>	\$150,000
<b>Construction:</b>	\$1,780,000
<b>Equipment:</b>	
<b>Other:</b>	
<b>Total:</b>	<b>\$1,950,000</b>

**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**

<b>Administration:</b>	\$40,000
<b>Engineer/Inspect:</b>	\$260,000
<b>Construction:</b>	\$550,000
<b>Equipment:</b>	
<b>Other:</b>	
<b>Total:</b>	<b>\$850,000</b>

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

<b>Will federal money be used:</b>	Yes	
<b>Amount:</b>	40,000	225,000
<b>Source:</b>	EPA	TEA-21
<b>Date Received:</b>	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**

<b>Administration:</b>	\$23,000
<b>Engineer/Inspect:</b>	\$115,000
<b>Construction:</b>	\$862,500
<b>Equipment:</b>	\$115,000
<b>Other:</b>	\$34,500
<b>Total:</b>	<b>\$1,150,000</b>

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

Yes

<b>Will federal money be used:</b>	Yes	
<b>Amount:</b>	659,000	554,000
<b>Source:</b>	HUD-IRHA	HUD-IRHA
<b>Date</b>		
<b>Received:</b>	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

<b>Administration:</b>	\$17,630
<b>Engineer/Inspect:</b>	\$49,649
<b>Construction:</b>	\$410,000
<b>Equipment:</b>	
<b>Other:</b>	\$20,721
<b>Total:</b>	<b>\$498,000</b>

**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**

<b>Administration:</b>	\$70,000
<b>Engineer/Inspect:</b>	\$35,000
<b>Construction:</b>	\$350,000
<b>Equipment:</b>	\$20,000
<b>Other:</b>	\$10,000
<b>Total:</b>	<b>\$485,000</b>

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

No

<b>Will federal money be used:</b>	Yes
<b>Amount:</b>	110,000      25,000
<b>Source:</b>	PHS                      PHS
<b>Date</b>	
<b>Received:</b>	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**

<b>Administration:</b>	\$42,200
<b>Engineer/Inspect:</b>	\$97,285
<b>Construction:</b>	\$3,071,972
<b>Equipment:</b>	
<b>Other:</b>	\$638,543
<b>Total:</b>	<b>\$3,850,000</b>

**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**

**Plans & Specifications:** Yes  
**Feasibility Plan:** Yes  
**Comprehensive Study:** No  
**Is this a phase-1 project:** Yes

**PROJECT COSTS**

<b>Administration:</b>	\$80,000
<b>Engineer/Inspect:</b>	\$192,000
<b>Construction:</b>	\$1,078,000
<b>Equipment:</b>	\$250,000
<b>Other:</b>	
<b>Total:</b>	<b>\$1,600,000</b>

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

Yes

<b>Will federal money be used:</b>	Yes	
<b>Amount:</b>	24,500	40,500
<b>Source:</b>	IHS	HUD
<b>Date</b>		
<b>Received:</b>	1992	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**

**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

<b>Administration:</b>	\$15,000
<b>Engineer/Inspect:</b>	\$2,000
<b>Construction:</b>	
<b>Equipment:</b>	\$278,000
<b>Other:</b>	
<b>Total:</b>	<b>\$295,000</b>

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

Yes

<b>Will federal money be used:</b>	Yes	
<b>Amount:</b>	1,380,000	325,000
<b>Source:</b>	IHS	IHS
<b>Date</b>		
<b>Received:</b>	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

<b>Administration:</b>	\$4,000
<b>Engineer/Inspect:</b>	\$34,000
<b>Construction:</b>	\$100,000
<b>Equipment:</b>	\$100,000
<b>Other:</b>	
<b>Total:</b>	<b>\$238,000</b>

**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**