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VILLAGE CANDIDATE SELECTION - VSW

VILLAGE	POP/HOMES TREND	TERRAIN	WATER SUPPLIES	ADEQUACY	PLANNED IMPROVEMENTS	SEWAGE DISPOSAL	SOURCES OF INFORMATION	RECOMMENDATIONS
CHEFORNAK (CALISTA) PRIORITY #9	204/33 up	Flat, marshy tundra	Rain water collected off roofs River water PHS well School well	Only seasonally available Quality of river water varies with tides/silt and salt problems noted Residents complain of salty taste (482 mg/l TFR) haul distance is 1/2 mile Poor quality water produced/ school well farther from village than PHS well	REAA to complete new school July, 1980/plan to drill well and treat water but no provisions to serve village 28 HUD Houses proposed for 1981 PHS sanitation services to follow	Indiscriminate dumping of honey buckets	Mike Frank Bill Adams LSKD 543-2871 Jordan Shur 543-2500 Steve Haver PHS 543-2251 Pete Tom Chefornak 878-8001 Earl Chase YKHC 543-2506	Need watering point closer to village that produces good quality drinking water and facility to dispose of liquid waste
KOKHANOK (BRISTOL BAY) PRIORITY #10	88/15 stable	Terrain very rocky	Water hauled from Iliamna Lake	Source of supply produces good tasting drinking water but no treatment provided	none	Honey buckets	Frank Williams PHS 279-6661	Central watering point, bathing laundry and sewage disposal service
STONE RIVER (CALISTA) PRIORITY #11	69/14 stable	Rolling hills soils probably of sand and	5 or 6 families use hand driven well points with	Good quality Good quantity water produced				

<p>KOKHANOK (BRISTOL BAY) PRIORITY #10</p>	<p>88/15 stable</p>	<p>Terrain very rocky</p>	<p>Water hauled from Iliamna Lake</p>	<p>Source of supply produces good tasting drinking water but no treatment provided</p>	<p>none</p>	<p>Honey buckets</p>	<p>Fran. Williams PHS 279-6661</p>	<p>Central watering point, bathing laundry and sewage disposal service</p>
<p>STONEY RIVER (CALISTA) PRIORITY #11</p>	<p>69/14 stable</p>	<p>Rolling hills soils probably of sand and gravel</p>	<p>5 or 6 families use hand driven well points with pitches: pumps</p>	<p>Good quality Good quantity Water produced</p>	<p>none</p>	<p>Indiscriminate dumping of honey buckets</p>	<p>Bob McHenry Kuspuk School 675-4320</p>	<p>Water supply not pressing problem/ waste disposal system needed</p>
<p>PEDRO BAY (BRISTOL BAY) PRIORITY #12</p>	<p>65/11 stable</p>	<p>Rocky, well drained</p>	<p>Residents haul or pump water from Lake Iliamna</p>	<p>Supply not treated but good tasting water available year round</p>	<p>HUD Houses tentatively scheduled for 1981/PHS sanita- tion improvement: to follow</p>	<p>Honey buckets</p>	<p>Frank Williams PHS 279-6661</p>	<p>Central watering point, bathing laundry and sewage disposal facility</p>
<p>PT. LAY (NORTH SLOPE) PRIORITY #13</p>	<p>72/63 stable</p>	<p>Flat poorly drained tundra</p>	<p>Freshwater lake</p>	<p>Village hauls water 1/2 mile/ ice used in winter/un- protected source not treated</p>	<p>\$100,000 in NSB funds earmarked for improvements</p> <p>\$400,000 in State funds available for sanitation improvements</p> <p>NSB plans to move village to new site in March, 1980</p>	<p>Indiscriminate dumping of honey buckets big problem</p>	<p>Art Wyback PHS 452-8251</p> <p>Amos Agnasagga IRA Council 824-8001</p>	<p>Centralized washeteria/ laundromat at new village site</p>

VILLAGE CANDIDATE SELECTION - VSW

PHOM'S END	TERRAIN	WATER SUPPLIES	ADEQUACY	PLANNED IMPROVEMENTS	SEWAGE DISPOSAL	SOURCES OF INFORMATION	RECOMMENDATIONS
33 p	Flat, marshy tundra	Rain water collected off roofs River water PHS well School well	Only seasonally available Quality of river water varies with tides/silt and salt problems noted Residents complain of salty taste (482 mg/l TFR) haul distance is 1/2 mile Poor quality water produced / school well farther from village than PHS well	REAA to complete new school July, 1980/plan to drill well and treat water but no provisions to serve village 28 HUD Houses proposed for 1981 PHS sanitation services to follow	Indiscriminate dumping of honey buckets	Mike Frank Bill Adams LSKD 543-2871 Jordan Shur 543-2500 Steve Haver PHS 543-2251 Pete Tom Chefornak 878-8001 Earl Chase YKHC 543-2506	Need watering point closer to village that produces good quality drinking water and facility to dispose of liquid waste
15 le	Terrain very rocky	Water hauled from Iliamna Lake	Source of supply produces good tasting drinking water but no treatment provided	none	Honey buckets	Frank Williams PHS 279-6661	Central watering point, bathing laundry and sewage disposal service
14 le	Rolling hills soils probably of sand and gravel	5 or 6 families use hand driven well points with pitcher pumps Rest haul from river in winter and use neighbor's wells in summer months	Good quality Good quantity Water produced River turbid in summer months, good quality in winter	none	Indiscriminate dumping of honey buckets	Bob McHenry Kuspuk School 675-4320 Jordan Shur 543-2500	Water supply not pressing problem/ waste disposal system needed
1 e	Rocky, well drained	Residents haul or pump water from Lake Iliamna	Supply not treated but good tasting water available year round	HUD Houses tentatively scheduled for 1981/PHS sanitation improvements to follow	Honey buckets	Frank Williams PHS 279-6661	Central watering point, bathing laundry and sewage disposal facility
3 e	Flat poorly drained tundra	Freshwater lake	Village hauls water 1/2 mile/ ice used in winter/un- protected source not treated	\$100,000 in NSB funds earmarked for improvements \$400,000 in State funds available for sanitation improvements NSB plans to move village to new site in March, 1980	Indiscriminate dumping of honey buckets big problem	Art Wyback PHS 452-8251 Ar Ignasagja IRA Council 824-8001	Centralized washeteria/ laundromat at new village site

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KOKHAKOK (BRISTOL BAY) PRIORITY #10	88/15 stable	Terrain very rocky	Water hauled from Iliamna Lake	Source of supply produces good tasting drinking water but no treatment provided	none	Honey buckets	Frank Willis PHS 279-666
STONEY RIVER (CALISTA) PRIORITY #11	69/14 stable	Rolling hills soils probably of sand and gravel	5 or 6 families use hand driven well points with pitcher pumps	Good quality Good quantity Water produced			
			Rest haul from river in winter and use neighbor's walls in summer months	River turbid in summer months, good quality in winter	none	Indiscriminate dumping of honey buckets	Bob McHenry Kuspuk Scho 675-4320 Jordan Suhr 543-2500
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VILLAGE	POP/HOMES TREND	TERRAIN	WATER SUPPLIES	ADEQUACY	PLANNED IMPROVEMENTS	SEWAGE DISPOSAL	SOURCES OF INFORMATION	RECOMMENDATIONS
CANTWELL (AHTNA) PRIORITY #14	62/14 stable	Silt and gravel along river/ scattered perma- frost	Individual wells	Good quality Good quantity water produced	20 HUD Houses proposed for 1980/PHS sanitation improvements to follow	Septic tanks/ outhouses	Dan Rogness PHS 279-9628 Jessie Berberich Elenor Dementi Cantwell 768-2282	
SELAWIK (NANA) PRIORITY #15	500/100 up	Flat poorly drained tundra	Complete village safewater facility	Quality of water is ok/residents prefer nearby creek for drinking water	PHS proposes rain catchment system for 18 new HUD houses/ dumpsite for trash and sewage lagoon for VSW effluent	Village Safe Water facility has wastewater treatment plant/ residents dispose of waste in honey buckets	Rich Haskins Mauneluk 442-3311 Creg Drexler PHS 279-9628	Village request funds for solid waste disposal site

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VILLAGE CANDIDATE SELECTION - VSW

VILLAGE	POP/HOMES TREND	TERRAIN	WATER SUPPLIES	ADEQUACY	PLANNED IMPROVEMENTS	SEWAGE DISPOSAL	SOURCES OF INFORMATION	RECOMMENDATIONS
NEWTOK (CALISTA) PRIORITY #1	154/25 up	Flat, poorly drained tundra	Rain water used for drink- ing when available Centrally located BIA well/most residents get drinking water here	Only seasonally available Good quality water produced/ quantity limited residents limited to 5 gallons per day	New REAA H.S. planned for 1980/plan to drill well/ no intention to serve village	Indiscriminate dumping of honey buckets	Al Johnson BIA 543-3121 Jordan Suhr 543-2500	Increase village water supply and improve waste disposal and additional services pending negotiation with village
COPPER CENTER (AHTNA) PRIORITY #2	275/100 down	Sandy, rocky soil. some perma- frost	29 individual wells drilled by PHS in 1969 Community Hall well	10 wells not operating remaining wells produce water of poor chemical quality/iron and manganese exceed state drinking water standards/taste and odor problems/very hard water Iron concentra- tions exceed state drinking water standards	none	Individual septic tanks most working	Bill Giles PHS 279-6661 Copper River Health Dept. 822-3333	Renovate abandoned wells, provide treat- ment to operat- ing wells/drill approximately 75 new wells for residents and provide treatment where necessary
NELSON LAGOON (ALEUTIAN/PRIIB) PRIORITY #3	61/17 up	Village built on porous sand spit adjacent to Bering Sea	Nine hand dug wells 6-10' deep. Deep well drilled by PHS 1973 hit salt water School has 8' deep well	Water brackish/ used only for washing clothes Water meets state standards	none	Indoor toilets sewage to septic tanks	Rory Mayra PHS Sanitarian 279-6661 Aleutian/ Pribilof Island Association 276-2700	Watering point with treatment plus additional services pending negotiations with village

NELSON LAGOON
(ALEUTIAN/PRIIB)
PRIORITY #3

61/17
up

Village built
on porous sand
spit adjacent to
Bering Sea

Nine hand dug
wells 6-10' deep.
Deep well
drilled by PHS
1973 hit salt
water

Water brackish/
used only for
washing clothes

none

Indoor toilets
sewage to septic
tanks

Rory Mayra
PHS Sanitarian
279-6661

Aleutian/
Pribilof Island
Association
276-2700

Watering point
with treatment
plus additional
services pending
negotiations with
village

School has 8'
deep well

Water meets
state standards
but salty taste
unacceptable to
villagers

16 Mile Lake

Most residents
haul water for
drinking/route
to lake blocked
by ice in winter
lake produces
excellent
quality water

CHISTCCHINA
(ATHNA)
PRIORITY #4

33/14
down

Soil composed of
sand and gravel/
flat terrain
adjacent to
flood plain

PHS piped
water system
built in 1970/
well was source
of supply

Quality and
quantity of
water good/
system failed
in 1974 due to
O&M problems

none

Sewer system
failed/privies
used

Bill Giles
PHS Sanitarian
279-6661

Renovate village
water system and
additional services
pending negotiations
with village

Sinona River

Undeveloped
unprotected
source littered
with dead fish
in summer

VILLAGE CANDIDATE SELECTION - VSW

VILLAGE	POP/HOMES TREND	TERRAIN	WATER SUPPLIES	ADEQUACY	PLANNED IMPROVEMENTS	SEWAGE DISPOSAL	SOURCES OF INFORMATION	RECOMMENDATIONS
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NELSON LAGOON (ALEUTIAN/PRIIB) PRIORITY #3	61/17 up	Village built on porous sand spit adjacent to Bering Sea	Nine hand dug wells 6-10' deep Deep well drilled by PHS 1973 hit salt water School has 8' deep well 16 Mile Lake	Water brackish/used only for washing clothes Water meets state standards but salty taste unacceptable to villagers Most residents haul water for drinking/route to lake blocked by ice in winter lake produces excellent quality water	none	Indoor toilets sewage to septic tanks	Rory Mayra PHS Sanitarian 279-6661 Aleutian/ Pribilof Island Association 276-2700	Watering point with treatment plus additional services pending negotiations with village
CHISTOCHINA (ATHNA) PRIORITY #4	33/14 down	Soil composed of sand and gravel/flat terrain adjacent to flood plain	PHS piped water system built in 1970/well was source of supply Sinona River	Quality and quantity of water good/system failed in 1974 due to O&M problems Undeveloped unprotected source littered with dead fish in summer	none	Sewer system failed/privies used	Bill Giles PHS Sanitarian 279-6661	Renovate village water system and additional services pending negotiator with village

VILLAGE CANDIDATE SELECTION - VSW

VILLAGE	POP/HOMES TREND	TERRAIN	WATER SUPPLIES	ADEQUACY	PLANNED IMPROVEMENTS	SEWAGE DISPOSAL	SOURCES OF INFORMATION	RECOMMENDATIONS
PORTAGE CREEK (BRISTOL BAY) PRIORITY #5	66/13 stable	Village on hill area well drained	School has 80' well/ 11/13 families use school as watering point	Untreated water, slight iron taste/well runs dry in winter School shuts off supply June-mid August	none	Honey buckets used by village/ school has 1,500 gallon septic tank and drainfield	Ron Perkins PHS 842-5201	Central watering point, bathing, laundry and sewage disposal service
EAGLE VILLAGE (DOYON) PRIORITY #6	54/21 up	On west bank of Yukon River/ poorly drained, subject to flooding	Single community well Eagle City Well Yukon River	Generator and well pump out of order, well no longer used People travel 3 miles to Eagle City well and haul water back Water hauled from Yukon in winter, untreated, un- protected source	none	Outhouses	Ethel Beck Health Aide 729-8001 Tanana Chiefs Conference 452-8251	Community, well and water treat- ment
RAMPART (DOYON) PRIORITY #7	58/31	Hilly terrain but poorly drained in spots	Nearby creek provides water for all residents	Water tastes fine but supply is untreated and unprotected/ water turbid for 2 week per period during breakup/haul distance 2 1/2 miles on good road	none	Outhouses	Dan Wheel Rampart Resident 358-8001 George King	Community water and sewer system

<p>RAMPART (DOYON) PRIORITY #7</p>	<p>58/31</p>	<p>Hilly terrain but poorly drained in spots</p>	<p>Nearby creek provides water for all residents</p>	<p>Water source fine but supply is untreated and unprotected/ water turbid for 2 week per period during breakup/haul distance 2 1/2 miles on good road</p>			<p>Rampart Resident 358-8001</p>	<p>and sewer system</p>
<p>RUBY (DOYON) PRIORITY #8</p>	<p>220/74 up</p>	<p>Hilly terrain but poorly drained in spots</p>	<p>School hauls from same creek as village</p> <p>Primary source is spring, 2,000 gallon storage tank, log spring house</p> <p>3 mile spring (along highway)</p> <p>10 mile spring (along highway)</p> <p>Ruby Roadhouse</p> <p>School 235' well</p>	<p>Two 500 gallon storage tanks, plus chlorina- tion</p> <p>Spring closed by ADEC summer 1979 because of reported episodes of bacteria contamination</p> <p>Unprotected source</p> <p>Unprotected source</p> <p>Residents can buy for 5¢ per gallon</p> <p>Quality good, quantity limited A few residents haul water from school</p>	<p>PHS has plans to drill community well in late 1979 or early 1980</p>	<p>Outhouses</p> <p>School has septic tank/ leachfield</p>	<p>George King Principal 358-8001</p> <p>Dan Rogners PHS 279-9628</p> <p>Stan Justice ADEC 452-1714</p> <p>City Clerk Ruby 989-8001</p>	<p>Water and sewer system and perhaps other services</p>

VILLAGE CANDIDATE SELECTION - VSW


VILLAGE	POP/HOMES TEND	TERRAIN	WATER SUPPLIES	ADEQUACY	PLANNED IMPROVEMENTS	SEWAGE DISPOSAL	SOURCES OF INFORMATION	RECOMMENDATIONS
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EAGLE VILLAGE (DOYON) PRIORITY #6	54/21 up	On west bank of Yukon River/ poorly drained, subject to flooding	Single community well Eagle City Well Yukon River	Generator and well pump out of order/well no longer used People travel 3 miles to Eagle City well and haul water back Water hauled from Yukon in winter, untreated, un- protected source	none	Outhouses	Ethel Beck Health Aide 729-8001 Tanana Chief's Conference 452-8251	Community well and water treat- ment
RAMPART (DOYON) PRIORITY #7	58/31	Hilly terrain but poorly drained in spots	Nearby creek provides water for all residents School hauls from same creek as village	Water tastes fine but supply is untreated and unprotected/ water turbid for 2 week per period during breakup/haul distance 2 1/2 miles on good road Two 500 gallon storage tanks, plus chlorina- tion	none	Outhouses	Dan White Rampart Resident 358-8001 George King Principal 358-8001	Community water and sewer system
RUBY (DOYON) PRIORITY #8	220/74 up	Hilly terrain but poorly drained in spots	Primary source is spring, 2,000 gallon storage tank, log spring house 3 mile spring (along highway) 1.0 mile spring (along highway) Ruby Roadhouse School 235' well	Spring closed by ADEC summer 1979 because of reported episodes of bacteria contamination Unprotected source Unprotected source Residents can buy for 5¢ per gallon Quality good, quantity limited A few residents haul water from school	P'S has plans to drill community well in late 1979 or early 1980	Outhouses School has septic tank/ leachfield	Dan Royness PHS 279-9628 Stan Justice ADEC 452-1714 City Clerk Ruby 989-0001	Water and sewer system and perhaps other services

Testimony of
Ernst W. Mueller
Commissioner of Environmental Conservation
On House Bill 689
Before the
House Committee on Community and Regional Affairs
March 7, 1980

I am Ernst W. Mueller, Commissioner, Department of Environmental Conservation. I am here today to testify on H.B. 689, for the provision of bond funds for the award of grants to build water and sewerage facilities throughout the State of Alaska. These funds are administered by my Department in the Facility Construction and Operation Section. Two programs are included in the bond bill:

(1) Construction grants, which are available only to incorporated municipalities. Fifty percent of non-federally financed costs can be granted. Costs of operation and maintenance support of water and sewerage facilities are not grant eligible under this program.

(2) Village Safe Water. Grants under this program are available with populations ranging between 25 and 600, or to second class cities. One hundred percent funding is available for construction. Costs of operation, and maintenance support of facilities are grant eligible, these funds are included in the Department's operating budget.



The capital budget submittal fully describes these programs and a detailed delineation of the \$25.520 million bond request. The primary purpose of the program is to improve sanitation facilities, improve public health and protect the quality of the environment. A secondary benefit results from stimulation of the local economy due to employment opportunities generated during construction. In the case of the VSW projects, which are performed under force account by the villages, valuable construction and management skills are imparted to the community.

This program differs from other State capital construction programs in that the Department has no firmly established set of projects at the time the bond funds are requested, or even when approved by the voters. Construction grants projects are developed by the municipal grantee in accordance with local planning requirements. They proceed at a pace selected by municipalities. The Department is often unaware of the specific project until an application is received. Therefore, to meet continually changing needs, it is necessary to have adequate funds available upon demand. Of course, the Department has performed a statewide needs assessment to provide us with basic information of sewage and water supply requirements.

In order to assure that there are adequate funds available, the Department projects past bond obligation rates and then adds an inflation factor to forecast future needs. This process is explained in the capital budget submittal. To date, this method has been very accurate. The \$23.0 million request is nearly identical with the need forecast two years ago. Having an adequate supply of bond funds

available allows us to meet all grantee requests without requiring us to determine which communities can construct facilities when there are not funds available for all communities' needs. The program can run on a first-come, first-served basis.

Having adequate funds also has a secondary benefit in that the Department's administrative procedures and costs can be kept lower, since we are not required to establish a detailed ranking of priorities among the communities. If priority allocation of funds was necessary, the Department would be forced to require additional paper work from the grantee to enable us to make these decisions.

The VSW needs are also projected, based on past expenses for building a standard type of facility. The actual facilities to be built have not yet been determined. However, the bush caucus has been provided with a priority list of projects detailing in which communities the Department feels the greatest public health needs exist. The \$2.520 million requested for the VSW Program would fund approximately three new projects. This amount is suggested due to the limitations of our existing small staff to handle new projects. Since the VSW projects require a far greater amount of staff work per project than does the construction grants program, we are limited to approximately two new projects per engineer. If the Legislature chooses to fund more than the first group of projects listed on the priority list, the Department would like the opportunity to submit an additional fiscal note to assure that proper staffing becomes available.

The Department favors H.B. 689 for \$25.520 million if there are no changes in AS 46.03 030. If AS 46.03 030 is amended by either adding solid waste facilities or changing the percentage of grant funding, the dollar amount in H.B. 689 needs to be increased, so that the projects can be funded. The eligibility of solids waste facilities would require an additional \$8-\$10 million in H.B. 689. In addition, an appropriation of \$2.5-\$3 million to cover the time period July 1, 1980 to December 31, 1980 would be required, so that communities would have money available immediately for solid waste purposes. A fiscal note has been prepared showing an increased need to hire more staff for the operation of the expanded grants program. This fiscal note requests a total of \$82,700 to cover the salaries and support costs of an engineering position and an administrative assistant. The Department endorses the concept of adding solid waste facilities to our grants program if adequate funding is provided.

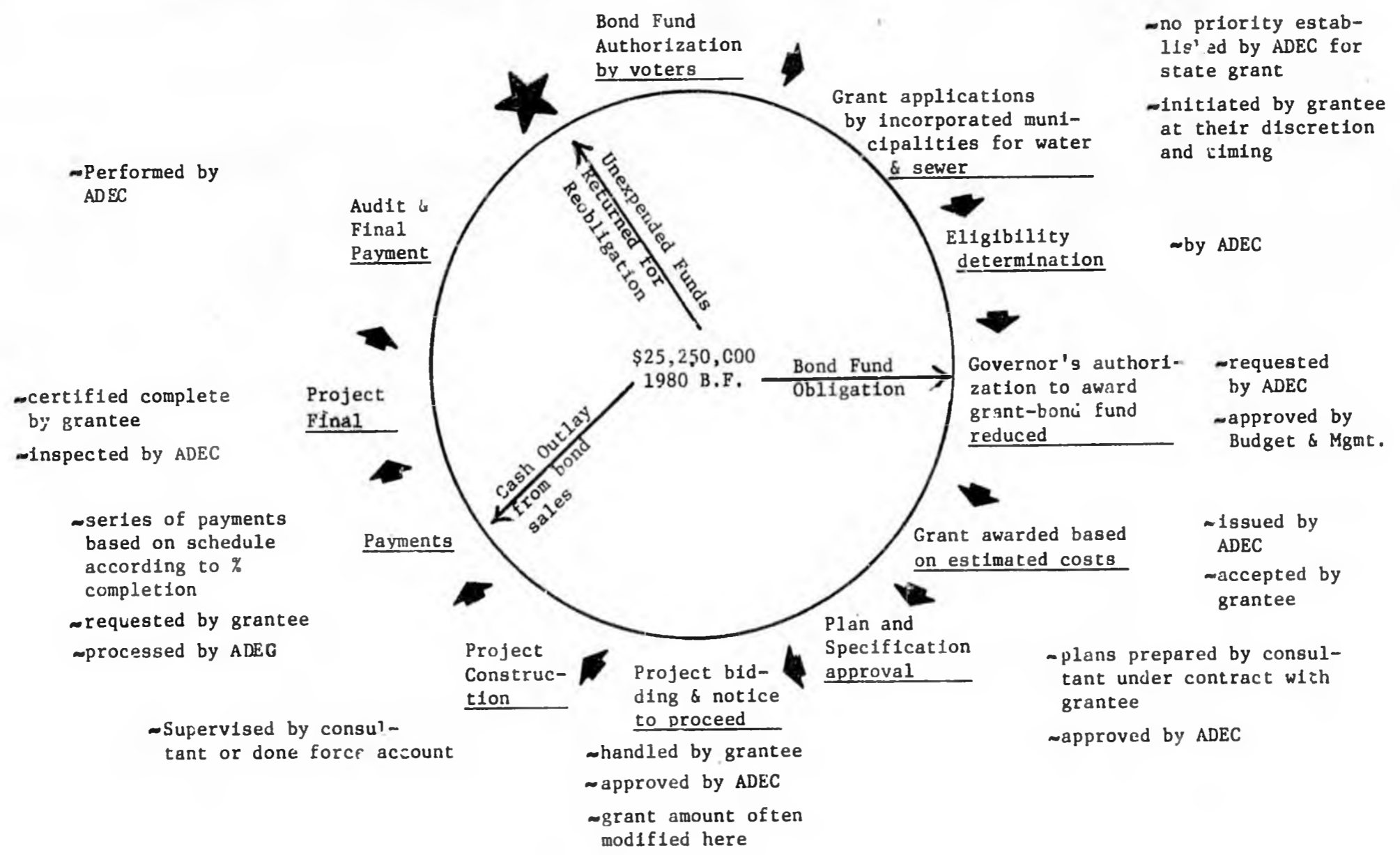
Increasing the percentage of grant participation above the current level of 50 percent is a serious concern of the Department. It has been our experience that as the grantee's percentage of project contribution is lowered, there is often a corresponding decrease in the level of active project participation by the grantee. The 50 percent level of funding appears to be adequate to ensure that the grantee administers this project properly. It is also probable that should State grants be increased to too high a percentage of total project cost, municipalities would have little interest in applying for federal grants (which require more paper work). The EPA provides approximately \$18-20 million per year for sewerage system projects in 12.5 percent for a total of 87.5 percent in grant funding. If, for example, the State grant

percentage was raised from 50 percent, there would be a strong likelihood that some communities would settle for a lesser total grant to avoid EPA grant requirements. An immediately increased annual demand of \$18-\$20 million on the State bond funds could result.

Should the Legislature choose to alter either the grant percentage or include solid waste facilities as grant eligible, a corresponding increase in the amount of the bond proposition will be required if the same number of projects are to be funded in the future.

Thank you for this opportunity to provide comments on H.B. 689. I would be glad to provide any further information you may need.

* * * *



MEMORANDUM

State of Alaska

TO: Ron Lind
Director, Division of
Management and Budget
Office of the Governor

DATE September 26, 1979

FILE NO:

TELEPHONE NO:

ATTN: George Matz
FROM: Budget Analyst

SUBJECT:

Ernst W. Mueller
Commissioner
Department of Environmental
Conservation

1980 Capital Budget

Attached for your review and consideration is the Department's 1980 capital budget proposal. This submittal is in two parts; Village Safe Water and Construction Grants. With Departmental reorganization both programs are now located in the Facility Construction and Operation Section, Division of Field Operations.

Our analysis of budget needs indicates that \$25,520.0 will be required to continue our construction programs at their current level of activity. Therefore, we respectfully request that you support our request for a 1980 bond proposition totaling \$25,520.0.

The budget format does not exactly lend itself to our construction programs. Where differences occur we have attempted to explain our procedures on the budget forms. Please feel free to contact us if additional information clarity is required.

Relationship with Objectives

The Village Safe Water (VSW) Act (AS 46.07) calls for "the installation of ... at least one facility for safe water and hygienic sewage disposal in each village." According to the VSW Act a "facility shall include, at a minimum a source of clean water, such as a well with pumping facilities or utilization of surface water treated so it is safe and healthful for use, shower bath facilities, an adequate means of hygienic sewage disposal, and facilities for the washing of clothes."

When a VSW facility providing safe water supply and sewage disposal services has been completed in a village, progress toward budget objectives 1 and 3 has been made in the amount of the population of the village. Department activities other than VSW construction, such as enforcement of the drinking water regulations, also contribute to achieving objectives 1 and 3.

Need for Capital Construction

The Alaska Water assessment task force, chaired by the VSW program managers, did a cursory inventory of village sanitation facilities in 1976 and discovered that: 1) about 25,000 rural Alaskans (about half the village population) depend on domestic water supply methods in immediate need of improvements, 2) less than half of the industrial and institutional establishments in villages have adequate water supplies, and 3) in more than two-thirds of Alaska's villages, the environment is being unacceptably contaminated by human wastes. A copy of the task force report is enclosed.

The task force report also reveals that water supply and waste disposal methods in more than two-thirds of Alaska's villages are in violation of State and federal laws and regulations.

Nearly all of the more than 200 villages in Alaska lack the financial, technical and management resources to obtain adequate sanitation services and comply with legal environmental standards on their own.

Management Strategy

Imposing enforcement penalties on the villages would serve no useful purpose because most of the villages are unable to respond without outside assistance. Similarly, motivation and education programs alone do not help. Sanitation services of the kind defined in the VSW Act will not exist in the villages without money to build physical facilities.

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation



ANAYLTIC STATEMENT Continued (2)

The U.S. Public Health Service (PHS) administers a federal program for installing water supply and waste disposal systems in Native villages. But the federal program is currently confined to villages receiving housing projects, and not all villages satisfy the eligiblity criteria for PHS projects. Hence, it is only through the VSW program that many villages might hope for financial assistance in obtaining sanitation services.

The type of VSW facility built in a particular village depends on local conditions such as surface topography, soil conditions, availability of water sources, village layout, and the needs and desires of village residents. To date, VSW projects have consisted of a central community structure, usually wood frame, where people can go to get safe water, dispose of hand carried sewage, use rest rooms, take showers and do laundry. Pipe water distribution and sewage collection systems, either above or below ground, serving individual homes are also possible, as are vehicle haul systems for delivery to individual homes. But no such systems have yet been selected by villages receiving VSW projects.

Very few villages in Alaska have the financial, technical and management resouces to successfully operate and maintain any utility systems, including VSW facilities, without outside assistance. But there are no continuing programs though which such assistance is available. For tne few (about a dozen) VSW facilities built so far, this Department has requested and received annual general fund appropriations to provide operation and maintenance assistance. But providing financial assistance for VSW operation and maintenance has not been adopted by the State as a continuing long term commitment. Until the operation and maintenance future of village utilities is more secure, the Department recommends limiting VSW construction to no more than two facilities per year. That means an annual construction budget of about \$1,200,000 at FY 81 prices.

Construction Priorities

VSW construction priorities are established jointly by VSW staff and the directors of the 12 regional native health corporations. The intention is to let village residents themselves, through their regional representatives, decide who is most in need of VSW services.

CONTINUATION FORM

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation

PROJECT TITLE _____

REVISED DATE _____

ANALYTIC STATEMENT Continued (3)

Before a legislative session, during which bond funds are authorized (i.e., once every two years), each health corporation director is invited to select candidate village(s) from his region. The number of candidate villages from each region depends on the amount of construction money anticipated and until adequate operation and maintenance provisions are made a construction rate of one or two facilities per year is recommended. After the regional candidates are selected, the health corporation directors meet jointly with VSW staff to review the candidate villages and rank them in order of need for VSW services. Then the priority list is presented to the Legislature, along with a recommendation of how much construction money should be authorized.

The cost of a VSW facility can vary from less than \$100,000 for a simple watering point in a small village, to more than \$1,000,000 for a facility in a large village offering all the services authorized by the VSW Act. Estimating the cost of a particular VSW project is not feasible as part of the prioritizing because it is a long, involved and expensive process to negotiate the appropriate scope of the project in a village and to determine what that scope of project will cost for the local conditions that exist. It is not reasonable to ask a village to participate in that effort unless they have a funded project.

It is highly desirable to carry out a construction schedule established with the regional health corporations. A primary purpose of those corporations is to speak for the villages concerning sanitation utility problems. Their recommendations of how fast to build facilities and where to build them, made with the advice and assistance of VSW staff, should be persuasive. But no matter how construction priorities and expenditure rates are determined, no facility should be built unless its operation, maintenance and management future is provided for.

If funds are not available for VSW construction because a bond issue fails, a general fund capital appropriation could be considered. But without funds for capital construction, the contribution of VSW program activities toward achieving objectives 1 and 3 could not be made.

CONTINUATION FORM

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation

PROJECT TITLE _____

REVISED DATE _____

AGENCY SUBMISSION						GOVERNOR'S RECOMMENDATION Please Do Not Write In This Area			
AGENCY PRIORITY	OBJ. NO(S)	PROJECT TYPE	PROJECT TITLE AND LOCATION	AGENCY FUNDING YEAR <u>81</u>	FUNDING SOURCE	GOVERNOR'S FUNDING YEAR _____	GOVERNOR'S FUNDING YEAR _____	GOVERNOR'S FUNDING YEAR _____	GOV'S PRIORITY
	1 3	C, E P	Village Safe Water Project(s), Statewide ULTIMATE ANNUAL OPERATING COST = <u>142.0</u> EXPECTED YEAR = FY <u>85</u>	2,520.0	FED. RCPTS. GEN. FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = _____		FED. RCPTS. GEN. FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS. GEN. FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS. GEN. FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS. GEN. FUND G.O. BONDS TOTAL				

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation PROPOSED FUNDING YEAR _____

PROJECT TYPE CODES	
C Bldg. Construction	L Land
I Other Improvement	P Professional Svcs.
E Equipment	O Other

34 PROPOSED SIX-YEAR CAPITAL PROGRAM

REVISED DATE _____



AGENCY SUBMISSION					GOVERNOR'S RECOMMENDATION Please Do Not Write In This Area				
AGENCY PRIORITY	OBJ. NO(S)	PROJECT TYPE	PROJECT TITLE AND LOCATION	AGENCY FUNDING YEAR <u>83</u>	FUNDING SOURCE	GOVERNOR'S FUNDING YEAR _____	GOVERNOR'S FUNDING YEAR _____	GOVERNOR'S FUNDING YEAR _____	GOV'S PRIORITY
	1 3	C, E P	ULTIMATE ANNUAL OPERATING COST = <u>171.1</u> EXPECTED YEAR = FY <u>87</u>	3,040.0	FED. RCPTS GEN FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = _____		FED. RCPTS GEN FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS GEN FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS GEN FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS GEN FUND G.O. BONDS TOTAL				

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation PROPOSED FUNDING YEAR _____

PROJECT TYPE CODES	
C Bldg. Construction	L Land
I Other Improvement	P Professional Svcs.
E Equipment	O Other

34 PROPOSED SIX-YEAR CAPITAL PROGRAM

REVISED DATE _____

AGENCY SUBMISSION						GOVERNOR'S RECOMMENDATION Please Do Not Write In This Area			
AGENCY PRIORITY	OBJ. NO(S)	PROJECT TYPE	PROJECT TITLE AND LOCATION	AGENCY FUNDING YEAR <u>85</u>	FUNDING SOURCE	GOVERNOR'S FUNDING YEAR _____	GOVERNOR'S FUNDING YEAR _____	GOVERNOR'S FUNDING YEAR _____	GOV'S PRIORITY
	1 3	C, E P	ULTIMATE ANNUAL OPERATING COST = <u>206.6</u> EXPECTED YEAR = FY <u>89</u>	3,670.0	FED. RCPTS. GEN FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = _____		FED. RCPTS. GEN. FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS. GEN FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED RCPTS GEN FUND G.O. BONDS TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED RCPTS GEN FUND G.O. BONDS TOTAL				

CATEGORY NRMEC

AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation

PROPOSED FUNDING YEAR _____

PROJECT TYPE CODES	
C Bldg. Construction	L Land
I Other Improvement	P Professional Svcs.
E Equipment	O Other

34

**PROPOSED SIX-YEAR
CAPITAL PROGRAM**

REVISED
DATE _____

PROJECT TITLE VSW Projects (1980 bonds)		LOCATION(S) Alaska Villages	AREA SERVED Alaska Villages	ELECTION DISTRICT(S)		
OBJ. NO(S) 1, 3	OPERATING BUDGET BRU(S) Program Operation	NAME(S)	BUDGET COMPONENT NUMBERS	START DATE January, 1981	COMPLETION DATE December, 1983	
PROJECT NARRATIVE <p>At the present time, there are four projects on the VSW priority list for 1980 bond funds. They are Circle, Portage Creek, Point Lay and False Pass. However, currently this priority list is being reevaluated and new candidate villages are being selected by the health corporation directors. It is anticipated that a new priority list will be complete by December 1979. After this, the appropriate scope of the project for each village will be negotiated with village residents, and a preliminary cost estimate made based on the scope of project and local conditions. This process will continue through the priority list until the \$2,520,000 in 1980 construction bonds are used up. Past VSW construction experience suggests there will be money for about three projects.</p> <p>Project Need -</p> <p>Conditions in the first four villages on the VSW priority list which illustrate the need for improved sanitation services are summarized below:</p> <p>1. Circle - 51 people, get water from trading post in summer, but most haul untreated water from Yukon River in winter. Privies and honey</p>			PROJECT TYPE		APPROPRIATION REQUEST	
			<input checked="" type="checkbox"/> Building Construction (C) <input type="checkbox"/> Other Improvement (I) <input type="checkbox"/> Equipment (E) <input type="checkbox"/> Land (L) <input checked="" type="checkbox"/> Professional Services (P) <input type="checkbox"/> Other (O)		1002	FED. RCPTS.
		1003	G/F MATCH			
		1004	GEN. FUND			
		1005	I/A RCPTS.			
			G.O. BONDS		2,520.0	
		TOTAL			2,520.0	
PROJECT CHARACTERISTICS			PROJECT PURPOSES			
			<input checked="" type="checkbox"/> Totally New Facility <input type="checkbox"/> Addition to Existing Facility <input type="checkbox"/> Renovation of Existing Facility <input type="checkbox"/> Major Maintenance or Repair <input type="checkbox"/> Supplement Previously Authorized Funds to Enable Completion <input type="checkbox"/> One of Several Phases <input type="checkbox"/> Major External Funding Source <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Protect Human Health & Safety <input type="checkbox"/> Protect Capital Assets <input checked="" type="checkbox"/> Protect Natural Resources or Natural Environment <input type="checkbox"/> Improve Efficiency & Economy of State Government <input type="checkbox"/> Improve Services or Accommodate Increased Demand for Services <input type="checkbox"/> Accommodate New Program Requirements <input checked="" type="checkbox"/> Respond to Legal or Policy Mandate <input type="checkbox"/> Improve Efficiency & Economy of Alaskan Infrastructure <input type="checkbox"/> Other
NO YES SITE FEATURES						
<input checked="" type="checkbox"/> <input type="checkbox"/> Site Currently Owned? <input checked="" type="checkbox"/> <input type="checkbox"/> All Utilities Available? <input checked="" type="checkbox"/> <input type="checkbox"/> Access Already Available?						
OPERATIONAL COST & NO. PERSONNEL		FIRST OPERATING YEAR	ULTIMATE ANNUAL YEAR	PREVIOUS YR-PRIORITY		
INCREASE (DECREASE)		82	85			
FUNDING SOURCE	FED. RCPTS.			AGENCY PRIORITY		
	GEN. FUND	52.8	142.0			
TOTAL ANNUAL OPERATIONAL COST		52.8	142.0	GOVERNOR'S PRIORITY		
POSITION (FTE)		0	0			

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation

CAPITAL PROJECT EXPENDITURES (CASH FLOW)	TOTAL	BUDGET YEAR	BUDGET YEAR Plus 1	BUDGET YEAR Plus 2	BUDGET YEAR Plus 3	BUDGET YEAR Plus 4	REMAINING COST
Planning and Engineering	252.0	70.0	110.0	72.0			
Land							
Construction	2,268.0		800.0	1,250.0	218.0		
Equipment							
Administration and Other							
Total Annual Expenditure (Capital Cost)	2,520.0	70.0	910.0	1,332.0	218.0		

CONTINUATION OF NARRATIVE

1. Circle Continued

buckets for sewage disposal, and evidence of sewage surfacing from school sewage disposal system. No PHS project planned.

2. Portage Creek - 66 people, some get water from school during school year, otherwise use untreated water from river. Honey buckets for sewage with indiscriminate dumping. No PHS project planned.

3. Point Lay - 50 people, in summer haul untreated water from lake a mile away, in winter melt ice. Honey buckets for sewage with indiscriminate dumping. No PHS project planned. Village received \$400,000 VSW capital appropriation from Legislature in FY 80 budget, but that's not enough because local conditions are so difficult (e.g., permafrost; flat, poorly drained tundra; lack of good quality water sources).

4. False Pass - 56 people, piped water service to homes from cannery system, no treatment but no evidence of contamination. Main problem is raw sewage discharged on ground and on beach. No PHS project for sewage disposal planned.

The scope of each VSW project will be tailored to alleviate the specific sanitation problems in the villages. Human health and safety will be protected by providing a safe, dependable drinking water source for all village residents. In all four villages there is sewage pollution of the natural land and water environment which jeopardizes the health and safety of village residents, and violates federal and State environmental regulations. Also, the Village Safe Water Act calls for adequate sanitation services in all villages in the State.

CATEGORY NRMEC

AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation

PROJECT TITLE _____

35b PROPOSED PROJECT ANALYSIS

REVISED DATE _____

Site features such as land ownership, utilities available, and access will be determined when project scope is negotiated with each village and preliminary estimates are made.

Project Description -

The physical features of a VSW facility depend on the services to be provided in a particular village, and on local environmental conditions. Most projects involve developing a safe, dependable water source using a well in subsurface conditions make it possible; or a surface water source if ground water is not accessible. Unorthodox methods such as rain collection are sometimes used when water sources are unusually difficult to develop. Water treatment equipment is installed as necessary depending on the bacteriological and chemical quality of water sources available. Pumping, storage and dispensing equipment and structures, with appurtenant mechanical and electrical systems, are required for a simple watering point. Energy sources can be village AVEC systems, village owned electrical systems, school generators, and wind generators and waste heat recovery, if feasible.

When rest rooms, sewage disposal, and bathing and laundry services are also provided, more extensive structures and equipment are required. Nearly all buildings are wood frame so that village residents can do most of the constructing and handle maintenance. Rest rooms usually contain standard flush toilets, urinals and lavatory fixtures, with water saving devices used when appropriate. Bathing facilities include standard showers when sufficient water is available, and saunas where steambaths are a traditional method of bathing.

Laundry services are provided by standard washers, extractors and dryers with water saving devices used when appropriate.

Sewage treatment and disposal methods vary greatly depending on local conditions. Lagoons are used when possible to minimize operating problems. But primary and secondary treatment systems are sometimes necessary when subsurface disposal is impossible (e.g., due to permafrost) and effluent must be discharged to the land surface or a natural water body.

CONTINUATION FORM

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation

PROJECT
TITLE _____

REVISED
DATE _____

small villages with no institutions paying fees. Over the 5 year operating history of the VSW program, O&M grant assistance from the State has averaged about 50% of total operating costs, and that figure is used for estimating the impact of the 1980 bond projects on the State operational budget.

The first year a VSW facility operates, the costs of operation, maintenance and management are higher than the ultimate annual operating costs. Plant operators and village administrators require special training and guidance until they learn the ropes; "bugs" in the physical plant must be worked out; and stocks of operating supplies, spare parts and standby equipment are accumulated. Based on past operational experience with VSW facilities, first year operating costs are estimated to average about 30 percent more than ultimate operating costs, or about 13 percent of construction costs.

The only increase expected in the Department's operating budget for SFY's 81 and 82 due to the 1980 VSW bond projects is for the O&M grants. Administration of the construction and O&M programs can be handled by existing staff.

Identification of Alternatives Considered -

There are several means by which villages can attain sanitation services, including PHS construction projects, Housing and Urban Development grants, Economic Development assistance grants and grants from the State Department of Community and Regional Affairs. Only the PHS program, however, is big enough to make visible improvements in village sanitation conditions.

For many, and perhaps most, of the more than 200 villages, the PHS program is the appropriate source of assistance for sanitation services. They have more than 15 years of experience in rural sanitation, a multi-million dollar construction budget funded by the federal government, and a large relatively talented staff with established working relationships with villages throughout the State.

CONTINUATION FORM

CATEGORY	<u>NRMEC</u>	AGENCY	<u>ENVIRONMENTAL CONSERVATION</u>	PROGRAM	<u>Facility Construction & Operation</u>
PROJECT TITLE					
01-1033 (7/79)				REVISED DATE	

The PHS program can serve only Native villages, however, and there are some Native villages likely never to receive PHS assistance because they do not meet eligibility requirements for the federal program (e.g. technical feasibility and economic feasibility). Such villages usually lack the technical and management expertise it takes to parlay assistance like HUD community assistance grants and LDA development grants into sanitation services. Also, the VSW Act specifies that State assistance to villages for sanitation facilities will be provided through the VSW program

Once it is determined that the VSW program will be the means for helping a village attain sanitation services, there are many methods for providing them. Selecting appropriate methods in determining the scope of the project. Among the possibilities are a piped water and sewer system serving individual homes, a central facility with vehicle haul service to individual homes, a central facility with no haul service, a simple watering point, several watering points scattered throughout the village, privies for sewage disposal, and several sewage dump sites scattered throughout the village with piped sewage collection to central treatment and disposal. After project scope is determined, there is a multitude of engineering choices to be made of ways to develop and build the facility.

Basically, it is village residents who select the "alternatives" that are most appropriate as the means for solving their sanitation problems, with advise and guidance from VSW staff. Factors considered in making those choices include minimizing construction costs, keeping the project as small and simple as possible, and minimizing operating requirements and costs. The engineering choices of how to build a facility according to a selected scope of project are recommended by professional engineers hired as design consultants. The consultants' recommendations including such things as floor plans, pump sizes and types, water and sewage treatment methods, floor covering, and type of foundation, are considered by VSW staff and village administrators, and either accepted or appropriately modified. The classical engineering criterion of attaining the desired service or function at the least cost is the basis for selecting among design alternatives.

CONTINUATION FORM

CATEGORY NRMEC

AGENCY ENVIRONMENTAL CONSERVATION

PROGRAM Facility Construction & Operation

PROJECT TITLE _____



Department's management capacity for construction projects and in the O&M assistance program. At least until the narrowed planning effort reveals answers to some of these basic questions concerning the scope of the VSW program, the Department recommends that construction be limited to levels indicated on form 34 of this budget request.

It is conceivable, however, that planning results available before the term of the six year plans has expired might suggest an accelerated construction schedule. If so funds for those future projects would be included in a capital budget request at the appropriate time, and supported with VSW planning results.

CONTINUATION FORM

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM Facility Construction & Operation

PROJECT TITLE _____

REVISED DATE _____

CH.#, SLA/ OR RP#	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	ESTIMATED TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
CH 271 SLA 1976	Tanana VSW	746.5	746.5	746.5	7/79	Site cleanup and minor mechanical adjustments yet to complete.
79-225 79-1	Federal Contribution	560.0	560.0	560.0		
79-13	Contribution from REAA School	100.0	100.0	100.0		
CH 145 SLA 1978	Bethel VSW	2,000.0	2,000.0	2,000.0	6/80	Paid 120.0 to date. City will request remainder as they need it.
CH 145 SLA 1978	Cantwell VSW	50.0	0	(see status)		No useful purpose for funds has yet been discovered.
CH 145 SLA 1978	McGrath VSW	400.00	200.0	400.0	6/81	Paid 157.0 to date. City will request remainder as they need it.
CH 145 SLA 1978	Kotzebue VSW	1,800.0	0	900.0	6/81	City has not yet requested money, and is completing community planning.
CH 145 SLA 1978	Kobuk VSW	400.0	20.0	400.0	6/81	Project scope not yet negotiated with village.
CH 145 SLA 1978	Kotlik VSW	400.0	246.0	400.0	6/81	Paid 246.0 through RSA with DOTPF. Scope of rest of project not yet determined.
CH 145 SLA 1978	Kipnuk VSW	400.0	40.0	400.0	6/81	Scope of project has been negotiated. Engineering design is next.
CH 145 SLA 1978	Koyuk VSW	400.0	20.0	400.0	6/81	Scope of project not yet negotiated with village.
CH 145 SLA 1978	Point Lav VSW	400.0	0	(see status)		Waiting for decision about village. Relocation to be made.
CH 145 SLA 1978	Shaktoolik VSW	400.0	20.0	400.0	6/81	Scope of project not yet negotiated with village.
CH 145 SLA 1978	Hooper Bay VSW	100.0	10.0	100.0	6/81	Scope of project not yet negotiated with village.
CH 145 SLA 1978	Akiachak	1,000.0	40.0	1,000.0	6/81	Akiachak has been selected. Project scope not yet negotiated with village.

CATEGORY NRMEC

AGENCY ENVIRONMENTAL CONSERVATION PROGRAM

Facility Construction & Operation

38 STATUS OF CURRENTLY APPROVED CAPITAL PROJECTS

REVISED DATE



Management Strategy

The Department awards grants from unobligated bond funds to communities on a first-come, first-serve basis as eligible projects are identified and approved by the Governor. The community is responsible for determining whether a project's in its best interest and meets local planning and zoning requirements. The Department reviews all plans and specifications for conformance with sound engineering standards.

Since projects are initiated by local government and proceed at a pace determined by local resources and politics it is impossible for the Department to attempt to forecast needs based on anticipated project development. Forecasting bond needs is also complicated by the provision in the statute that allows the Department to match federal funds. Since many federal funding programs are available it would be difficult to coordinate bond fund needs with their projects. In the past we have attempted to estimate bond fund needs by contacting municipal officials to determine their projected needs. Unfortunately, this has not proven very satisfactory. Since municipal priorities often change without our knowledge, thereby throwing off our projections. In addition, emergency or unplanned projects often arise which had not been anticipated.

Therefore, the Department's belief that we can best estimate our future bond needs by extrapolating past bond fund obligation rates to meet future needs. The present obligation rate is just slightly over \$1.0 million per month. Unobligated bond funds from the 70, 72, 76 and 78 authorizations total approximately \$23.325 million. Projecting current obligations from October 1979 through December 1982 with a construction inflation rate of 10% a year the following table was generated:

October - December 1979	\$1.0 million X 3 months	= \$ 3.0 Million
1980-	\$1.0 million X 1.1 X 12 months	= 13.2 million
1981	\$1.1 million X 1.1 X 12 months	= 14.5 million
1982	\$1.2 million X 1.1 X 12 months	= <u>15.8</u> million
		\$46.5 million

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION



CONSTRUCTION GRANTS

Relation With Objectives

Alaska Statute 46.03.030 authorizes the Department to award grants to incorporated municipalities for the construction of water and sewerage facilities. These projects provide safe, dependable water supplies and reduce the chances of water-borne diseases and environmental degradation through the collection and treatment of sewage. Projects aided with construction grant funding enable the Department to progress toward meeting budget objectives 1 and 3 as outlined in the Policy Budget for FY81. These objectives call for the reduction in the number of people exposed to pollution related health hazards. These hazards may be the result of improperly treated domestic water supplies or the insanitary disposal of domestic wastes.

Need for capital construction

Alaska Statute 46.03.030 authorizes the Department of Environmental Conservation to grant to incorporated municipalities, as funds are available, up to a maximum of 50 percent of the non-federally financed costs of eligible water and sewerage projects. Grants awarded under this statute assist municipalities in constructing sewage treatment facilities complying with public law 95-217 and the Alaska Water Quality Standards. In addition, grants for water supply projects enable communities to provide adequate quantities of potable water to rapidly expanding residential areas. High construction costs and the rapid population increases make state construction grant assistance highly desirable, if not mandatory if state and federal laws are to be met.

The construction grant program has had a very successful history of accomplishment. Bond issues of \$8, \$32, \$29.5 and \$19.7 million have been approved in 1970, 1972, 1976 and 1978 respectively for a total of \$89.2 million. These funds have aided in the construction of over 200 projects, many of which would not have been possible without State assistance. These facilities have greatly reduced the hazards of water borne disease outbreaks and protected the aquatic environment from water contaminants.

Expansion of water and sewerage services are essential to the organized development of communities. Many areas within the State lack soil conditions suitable for the development of closely spaced on-lot water and sewage disposal systems. In these areas housing density must be decreased if the health of the residents is to be protected. Since few people can afford large tracts of land, growth patterns generally result in subdivisions. Within an incorporated municipality, many communities are utilizing the water and sewerage grants to provide these services to newly developing areas, assessing the benefiting property owners for the remaining 50% of costs. In many areas developed without benefit of the grants, failing septic tank systems are now necessitating the construction of sewerage systems, thereby resulting in double costs to the residents. The cost of the septic system can now be avoided and growth can proceed without fear of health hazard due to contaminated drinking water supplies.

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION

CONSTRUCTION GRANTS CONTINUED

Management Strategy

The Department awards grants from unobligated bond funds to communities on a first-come, first-serve basis as eligible projects are identified and approved by the Governor. The community is responsible for determining whether a project's in its best interest and meets local planning and zoning requirements. The Department reviews all plans and specifications for conformance with sound engineering standards.

Since projects are initiated by local government and proceed at a pace determined by local resources and politics it is impossible for the Department to attempt to forecast needs based on anticipated project development. Forecasting bond needs is also complicated by the provision in the statute that allows the Department to match federal funds. Since many federal funding programs are available it would be difficult to coordinate bond fund needs with their projects. In the past we have attempted to estimate bond fund needs by contacting municipal officials to determine their projected needs. Unfortunately, this has not proven very satisfactory. Since municipal priorities often change without our knowledge, thereby throwing off our projections. In addition, emergency or unplanned projects often arise which had not been anticipated.

Therefore, the Department's belief that we can best estimate our future bond needs by extrapolating past bond fund obligation rates to meet future needs. The present obligation rate is just slightly over \$1.0 million per month. Unobligated bond funds from the 70, 72, 76 and 78 authorizations total approximately \$23.325 million. Projecting current obligations from October 1979 through December 1982 with a construction inflation rate of 10% a year the following table was generated:

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1982	\$1.2 million X 1.1 X 12 months	= <u>15.8 million</u>
		\$46.5 million

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION



CONSTRUCTION GRANTS CONTINUED

Subtracting the unobligated bond funds from the \$46.5 million we are left with unmet needs totaling \$23,175 million. Rounding this need down to the next whole number we estimate that \$23.0 million will be required to maintain the construction grants program at its current level of activity. This estimate is consistent with the \$24.0 million figure projected in the last capital budget submittal.

If funds are not available for construction grants projects because of failure of the bond proposition, a general fund capital appropriation could be considered. Without the funds for capital construction, the contribution it is impossible for the Department to attempt to forecast needs based on anticipated project development. Forecasting bond needs is also complicated by the provision in the statute that allows the Department to match federal funds.

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION



AGENCY SUBMISSION					GOVERNOR'S RECOMMENDATION Please Do Not Write In This Area				
AGENCY PRIORITY	OBJ. NO(S)	PROJECT TYPE	PROJECT TITLE AND LOCATION	AGENCY FUNDING YEAR <u>83-84</u>	FUNDING SOURCE	GOVERNOR'S FUNDING YEAR _____	GOVERNOR'S FUNDING YEAR _____	GOVERNOR'S FUNDING YEAR _____	GOV'S PRIORITY
I	1	C E P O	All projects to be funded from 1982 bond proposition ULTIMATE ANNUAL OPERATING COST = <u>-0-</u> EXPECTED YEAR = FY _____		FED. RCPTS.				
					GEN FUND				
				36,000.0	G.O. BONDS				
					TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = _____		FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = FY _____		FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION PROPOSED FUNDING YEAR _____

PROJECT TYPE CODES

- C Bldg. Construction
- I Other Improvement
- E Equipment
- L Land
- P Professional Svcs.
- O Other

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PROPOSED SIX-YEAR
CAPITAL PROGRAM

REVISED
DATE _____



AGENCY SUBMISSION					GOVERNOR'S RECOMMENDATION Please Do Not Write In This Area				
AGENCY PRIORITY	OBJ. NO(S)	PROJECT TYPE	PROJECT TITLE AND LOCATION	AGENCY FUNDING YEAR <u>85-8</u>	FUNDING SOURCE	GOVERNOR'S FUNDING YEAR	GOVERNOR'S FUNDING YEAR	GOVERNOR'S FUNDING YEAR	GOV'S PRIORITY
I	1/3	C E P O	All projects to be funded from 1984 bond proposition ULTIMATE ANNUAL OPERATING COST = <u>-0-</u> EXPECTED YEAR = FY _____	42,000.0	FED. RCPTS.				
					GEN FUND				
					G.O. BONDS				
					TOTAL				
			ULTIMATE ANNUAL OPERATING COST = _____ EXPECTED YEAR = _____		FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				
					FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				
					FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				
					FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				
					FED. RCPTS.				
					GEN. FUND				
					G.O. BONDS				
					TOTAL				

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION PROPOSED FUNDING YEAR _____

PROJECT TYPE CODES	
C Bldg. Construction	L Land
I Other Improvement	P Professional Svcs.
E Equipment	O Other

34 PROPOSED SIX-YEAR CAPITAL PROGRAM

REVISED DATE _____

PROJECT TITLE Construction Grants (1980 Bonds)		LOCATION(S) State - Wide	AREA SERVED State Wide	ELECTION DISTRICT(S) All																	
OBJ. NO(S) 1 & 3	OPERATING BUDGET BRUI(S) Program Operation	NAME(S)	BUDGET COMPONENT NUMBERS	START DATE January 1981	COMPLETION DATE N.A.																
PROJECT NARRATIVE Projects are not known or defined at this time. Projects are identified by municipalities as the need develops. Applications are reviewed and project eligibility determined on a first-come, first-served basis up to the availability of funds. Eligible projects include water source development, treatment and distribution and sewage collection treatment and discharge. Projects occur state-wide and costs and project scope are determined by the grantee. Grants will be awarded up to the limit of bond authorization. The length of project time varies but probably averages 1.5 years.		PROJECT TYPE		APPROPRIATION REQUEST																	
		<input checked="" type="checkbox"/> Building Construction (C) <input type="checkbox"/> Other Improvement (I) <input checked="" type="checkbox"/> Equipment (E) <input type="checkbox"/> Land (L) <input checked="" type="checkbox"/> Professional Services (P) <input checked="" type="checkbox"/> Other (O)		<table border="1"> <tr><td>1002</td><td>FED. RCPTS.</td><td></td></tr> <tr><td>1003</td><td>G/F MATCH</td><td></td></tr> <tr><td>1004</td><td>GEN. FUND</td><td></td></tr> <tr><td>1005</td><td>I/A RCPTS.</td><td></td></tr> <tr><td></td><td>G.O. BONDS</td><td>23,000.0</td></tr> <tr><td colspan="2">TOTAL</td><td>23,000.0</td></tr> </table>		1002	FED. RCPTS.		1003	G/F MATCH		1004	GEN. FUND		1005	I/A RCPTS.			G.O. BONDS	23,000.0	TOTAL
1002	FED. RCPTS.																				
1003	G/F MATCH																				
1004	GEN. FUND																				
1005	I/A RCPTS.																				
	G.O. BONDS	23,000.0																			
TOTAL		23,000.0																			
		PROJECT CHARACTERISTICS		PROJECT PURPOSES																	
		<input checked="" type="checkbox"/> Totally New Facility <input checked="" type="checkbox"/> Addition to Existing Facility <input type="checkbox"/> Renovation of Existing Facility <input type="checkbox"/> Major Maintenance or Repair <input type="checkbox"/> Supplement Previously Authorized Funds to Enable Completion <input checked="" type="checkbox"/> One of Several Phases <input type="checkbox"/> Major External Funding Source <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Protect Human Health & Safety <input type="checkbox"/> Protect Capital Assets <input checked="" type="checkbox"/> Protect Natural Resources or Natural Environment <input type="checkbox"/> Improve Efficiency & Economy of State Government <input type="checkbox"/> Improve Services or Accommodate Increased Demand for Services <input type="checkbox"/> Accommodate New Program Requirements <input checked="" type="checkbox"/> Respond to Legal or Policy Mandate <input type="checkbox"/> Improve Efficiency & Economy of Alaskan Infrastructure <input checked="" type="checkbox"/> Other Reduce unemployment and stimulate economy																	
		NO YES SITE FEATURES																			
		<input checked="" type="checkbox"/> <input type="checkbox"/> Site Currently Owned? <input checked="" type="checkbox"/> <input type="checkbox"/> All Utilities Available? <input checked="" type="checkbox"/> <input type="checkbox"/> Access Already Available?																			
		OPERATIONAL COST & NO. PERSONNEL N.A.	FIRST OPERATING YEAR	ULTIMATE ANNUAL YEAR	PREVIOUS YR-PRIORITY																
		INCREASE (DECREASE)																			
FUNDING SOURCE	FED. RCPTS.				AGENCY PRIORITY																
	GEN. FUND																				
		TOTAL ANNUAL OPERATIONAL COST			GOVERNOR'S PRIORITY																
		POSITION (FTE)																			

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION

CAPITAL PROJECT EXPENDITURES (CASH FLOW)	TOTAL	BUDGET YEAR 1981	BUDGET YEAR 1982 ¹	BUDGET YEAR Plus 2	BUDGET YEAR Plus 3	BUDGET YEAR Plus 4	REMAINING COST
Planning and Engineering	3,840.0	1,848.0	1,998.0				
Land							
Construction	18,000.0	8,600.0	8,400.0				
Equipment	600.0	288.0	312.0				
Administration and Other	560.0	270.0	290.0				
Total Annual Expenditure (Capital Cost)	23,000.0	11,000.0	12,000.0				

CONTINUATION OF NARRATIVE

The grantee is responsible for project administration including: local planning and zoning requirements; determination of project scope, engineering agreements, grant administration, land and right-of-way acquisition; project inspection and operation and maintenance of the completed project. The Department awards the grant, reviews plans and specifications and monitors project development.

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION

PROJECT TITLE _____

35 b

PROPOSED PROJECT
ANALYSIS

REVISED
DATE

PROJECT TITLE	LOCATION(S)	AREA SERVED	ELECTION DISTRICT(S)
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OBJ. NO(S)	APPROPRIATION REQUEST		OPTION 1	OPTION 2	OPERATIONAL COST & NO. PERSONNEL INCREASE (DECREASE)	OPTION 1 ULTIMATE ANNUAL YEAR	OPTION 2 ULTIMATE ANNUAL YEAR	PREVIOUS YR-PRIORITY
	1002	FED. RCPTS.						
	1003	G/F MATCH						
	1004	GEN. FUND						
	1005	I/A RCPTS.						
		G.O. BONDS						
		TOTAL						

FUNDING SOURCE	FED. RCPTS.			AGENCY PRIORITY
	GEN. FUND			
				GOVERNOR'S PRIORITY
TOTAL ANNUAL OPER. COST				
POSITION (FTE)				

NARRATIVE

This form does not apply to construction grants since the grantee identifies the project needed to provide a solution to a specific problem.

Form 38 Narrative

Since grantees proceed with projects at their discretion, the Department has no way to estimate the rate of payments or anticipated completion date. Therefore, the column for estimated expenditures gives only the most current expenditure for each project and the column for the estimated completion date has been left blank. The remainder of the form has been completed for each project that has been awarded a grant and is segregated by bond fund. There are some potential projects for which the Governor's authorization has been received but for various administrative or technical reasons of non-compliance by the grantee the grants have not been awarded. Therefore, the total for amounts authorized will not yield the same results as records kept by administration for bond fund balances.

CATEGORY NRMEC AGENCY ENVIRONMENTAL CONSERVATION PROGRAM FACILITY CONSTRUCTION AND OPERATION

CH.#, SLA# OR RPI	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
79-222	Anchorage - E-3 Trunk Phase I	225,000	-0-	225,000		Design
79-75	Anchorage-E-3 Trunk Crossing	19,400	-0-	19,400		Plans Approved
79-95	Anchorage - S.E. Int. Crossing New Seward Hwy.	45,700	-0-	45,700		Design
79-95	Anchorage-S.E. Inter Crossing New Seward Hwy.	250,000	-0-	250,000		Design
79-109	Anchorage-S.E. Int. Crossing New Seward Hwy.	204,300	-0-	204,300		Design
79-109	Anchorage-S.E. Inter. Crossing Old Seward Hwy.	32,480	-0-	32,480		Plans Approved
79-75	Anchorage-S.E. Inter Diamond E-2	97,742	-0-	97,742		Construction
79-123	Anchorage-S.E. Inter E-2 O'Malley	837,500	-0-	837,500		Design
79-75	Anchorage-E1 Trunk Phase I	615,000	-0-	615,000		Design
79-191	Anchorage-O'Mally at New Seward Hwy. Int.	10,500	-0-	10,500		Final Design
79-109	Anchorage -E-1-1 Trunk Phase II	1,282,470	-0-	1,282,470		Preliminary Design
79-123	Anchorage - D-3 Trunk	112,500	-0-	112,500		Preliminary Design
79-75	Anchorage- E-2 Trunk Airport Road Sewer	124,022	-0-	124,022		Construction
79-60	Anchorage Inter'n	401,635	-0-	401,635		Final Design
78-40	Anchorage - Trunk Sewer A-2, Phase II	122,059	109,853	12,206		Completed Pending Audit

CATEGORY NRMEC AGENCY Environmental Conservation PROGRAM Facility Construction and Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH./ SLA/ OR RP#	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1978	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
78-21	Anchorage - DeBarr Road Sewer	34,593	31,134	3,459		Completed Pending Audit
78-21	Anchorage - Pancho Villa Extension	8,753	7,878	875		Completed Pending Audit
78-82	Anchorage - "C" Street Trunk Sewer	35,750	-0-	35,750		Construction Completed
78-158	Anchorage - Roberts Subdivision	4,547	4,092	455		Completed Pending Audit
78-54	Anchorage - Mis. Lat. Extension 1977-1	23,374	21,036	2,338		Completed Pending Audit
78-82	Anchorage - LID 50-8	70,331	-0-	70,331		Construction
78-40	Anchorage - LID 75	138,166	138,166	-0-		Completed Pending Audit
77-294	Anchorage - LID 60 Westgate	204,425	183,983	20,442		Completed Pending Audit
77-294	Anchorage - LID 76 Pleasant Valley	98,430	98,430	-0-		Completed Pending Audit
77-294	Anchorage - LID 77 Creekside	51,016	51,016	-0-		Completed Pending Audit
77-294	Anchorage - LID 80 Lloyd	37,983	34,184	3,799		Completed Pending Audit
77-294	Anchorage - LID 81 McGill	81,082	72,974	8,108		Completed Pending Audit
78-54/40	Anchorage - LID 87	256,325	230,693	25,632		Completed Pending Audit
78-128	Anchorage - LID 89 Baxter	8,868	7,981	887		Completed Pending Audit
79-123	Anchorage - LID 90 Wyatt	53,800	-0-	53,800		Design

CATEGORY _____ NRMEC _____ AGENCY Environmental Conservation PROGRAM Facility Construction and Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE _____

CH.#, SLA# OR RP#	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
79-123	Anchorage - LID 91 Campbell	257,500	-0-	257,500		Plans Approved
79-95	Anchorage - LID 92 Kelly	145,000	-0-	145,000		Plans Approved
79-75	Anchorage - LID 93 Homecrest	43,928	-0-	43,928		Bid Awarded
79-123	Anchorage - LID 94 Hathor	220,000	-0-	220,000		Design
79-123	Anchorage - LID 95 Marys	64,500	-0-	64,500		Design
79-222	Anchorage - LID 96 Timothy	67,000	-0-	67,000		Preliminary Design
79-222	Anchorage - LID 98 Shelikof	104,500	-0-	104,500		Preliminary Design
79-222	Anchorage - LID 100 Century	23,600	-0-	23,600		Preliminary Design
79-172	Anchorage - I/I Report	134,883	-0-	134,883		Step I Initiated
79-123	Anchorage - Girdwood	857,106	-0-	857,106		Sewer Construction
79-169	Anchorage - Girdwood					Sewer Construction
77-294	Anchorage - Phase I Water	188,000	188,000	-0-		Being Audited
79-109	Anchorage - Eagle River	725,000	-0-	725,000		Under Construction
80-159X	Anchorage - S Street 8" Water 14th to Scenic	15,210	-0-	15,210		Preliminary Design
80-27	Anchorage - 16" Water Main Dowling Rd, New Seward Hwy.	10,938	-0-	10,938		Preliminary Design

CAMPBELL NRMFC

AGENCY Environmental Conservation PROGRAM

Facility Construction and Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH.#, SLA# OP RP#	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
79-222	Anchorage - Misc. Water Main Extension	26,000	-0-	26,000		Preliminary Design
79-172	Anchorage - 10th Ave. Water	85,200	-0-	85,200		Pre-Design
79-172	Anchorage - Bluff & Richardson Water	44,186	-0-	44,186		Plans Approved
79-172	Anchorage - "A" Street Alley Water	29,930	-0-	29,930		Pre-Design
79-167	Anchorage - E 68th Avenue Water	70,740	-0-	70,740		Pre-Design
80-27	Anchorage - 36" Trans Mission Main Dam to WTP	1,546,960	-0-	1,546,960		Preliminary Design
79-95	Anchorage - "A" St. Water Main	164,775	-0-	164,775		Bid Awarded
78-305	Anchorage - Willow Street Main	12,221	12,221	-0-		Completed Pending Audit
78-305	Anchorage - Improve- ment District #311	51,761	51,760	1		Construction Complete
80-19	Anchorage - Grumman Water District #313	45,150	-0-	45,150		Preliminary Design
79-179	Anchorage - Shelikoff Subdivision Water	91,563	-0-	91,563		Pre-Design
79-75	Anchorage - Lake Otis- Dowline	444,500	-0-	444,500		Design
79-95	Anchorage - Inter. Airport Road Water	337,348	-0-	337,348		Design
79-109	Anchorage - Auk, Power Well #4	76,250	-0-	76,250		Design
78-305	Anchorage - Well House #12	229,500	-0-	229,500		Design

CATEGORY NRMECAGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH.#, SLA# OR RPI	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1978	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
78-305	Anchorage - Production Well #12	60,935	18,281	42,654		Design
78-305	Anchorage - 36th Ave. Main	195,261	58,578	136,683		Construction
78-336	Anchorage - Railroad Bore Crossings	17,958	16,530	1,428		Completed Pending Audit
78-305	Anchorage - E 4th Ave. Main	28,359	28,359	-0-		Completed Pending Audit
78-156	Anchorage - Water Well #7	117,699	105,929	11,770		Completed Pending Audit
77-410	Anchorage - Water Improvement Unit #8	89,216	65,046	24,170		Completed Pending Audit
77-410	Anchorage - Test Wells	42,688	32,715	9,973		Complete
79-167	Anchorage - 3 Mig. Test Wells	58,375	-0-	58,375		Design
79-109	Anchorage - 5th Unga/ Gambell	620,037	-0-	620,037		Design
78-40	Anchorage - Airport Water	38,639	34,775	3,864		Completed Pending Audit
78-248	Barrow - Sewage Trucks	81,813	63,000	18,813		Delivered - Need Costs
78-336	Cordova - Upper "C" Sewage	26,200	23,580	2,620		Completed Pending Audit
78-156	Cordova - I/I	12,213	9,770	2,443		EPA Audit Needed
78-82	Cordova - Whiskey Ridge	190,727	152,582	38,145		Construction
78-305	Cordova - Industrial Park Water	83,267	66,614	16,653		Design

CATEGORY NRMECAGENCY Environmental Conservation PROGRAMFacility Construction Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

 REVISED
DATE

CH.#, SLA# OR RP#	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
79-123	Cordova - Coast Guard Dock Water	7,183	2,155	5,028		Design
79-167	Cordova - APW Bypass	5,083	-0-	5,083		Design
79-191	Cordova - North Side Interceptor	43,614	-0-	43,614		Design
80-19	Cordova - Odiak Park Waterline	114,088	-0-	114,088		Design
80-19	Cordova - Cedar Street Sewer	10,219	-0-	10,219		Design
80-19	Cordova - Water Study	3,000	-0-	3,000		Design
76-267	Dillingham C-020066	2,960	-0-	2,960		Step I awarded
79-167	Fairbanks - Sludge Study	5,643	-0-	5,643		Step I Awarded
79-167	Fairbanks - Derby Tract Sewer	250,000	-0-	250,000		Design
78-248	Fairbanks - S. Water Addition	867,539	-0-	867,539		Construction
79-60	Fairbanks - Ballaine Lake	3,273	-0-	3,273		Step I Awarded
79-191	Fairbanks - Fairground W & S Ext.	157,288	125,836	31,452		Construction
79-191	Fairbanks Derby Tract Water Extension	400,000	-0-	400,000		Design
80-159X	Fairbanks - E. Slater Dr. Sewer Extension	170,000	-0-	170,000		Preliminary Design
80-159X	Fairbanks - E. Slater Dr. Water Extension	98,000	-0-	98,000		Preliminary Design

CATEGORY NRMEC AGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH.#, SLA/ OR RPI	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
79-95	Haines - Highland Oslund	21,000	-0-	21,000		Construction
80-159X	Haines - Tower Road Water & Sewer	3,175	-0-	3,175		Design
79-95	Haines - Small Tract Road Water	19,065	17,158	1,907		Completed Pending Audit
78-202	Haines - Battle Road Water and Sewer	22,500	-0-	22,500		Construction
78-40	Haines - Helms Loop	17,538	-0-	17,538		Construction
79-60	Haines - 1978 Service Connections	4,400	2,420	1,980		Construction
78-336	Haines - Tom's Sewer Extension	3,919	2,467	1,452		Completed Pending Audit
80-19	Homer - Bear Creek Sub. Water & Sewer	87,902	48,346	39,556		Construction
78-202	Homer - East Trunk Sewer	22,986	20,687	2,299		Completed Pending Audit
78-320	Homer - Ridgeview Water and Sewer	110,618	97,970	12,648		Completed Pending Audit
78-336	Homer - Bartlett Water and Sewer	62,616	53,138	9,478		Completed Pending Audit
79-167	Homer - Kachemak Lake, Bayview	264,748	211,798	52,950		Design
80-159X	Homer - Kachemak Bay Cr. Sewer	56,315	-0-	56,315		Construction
80-159X	Homer - Benson Subdiv. Hansen Ave. Imp. Dist.	61,600	-0-	61,600		Design
79-109	Homer - Spit #56	18,522	2,500	16,022		Construction

CATEGORY NRMEC AGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH./ SLA/ OR RP#	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
78-320	Juneau - Hospital Water	111,300	-0-	111,300		Design
78-21	Juneau - AJ Water	201,000	110,550	90,450		Construction Complete
77-443	Juneau - Lemon Creek	1,318,750	948,313	370,437		EPA Audit Pending
77-410	Kenai - STP Expansion	55,113	-0-	55,113		Design
77-294	Kenai - Water Reservoir	94,895	75,916	18,979		Pending EPA Audit
79-123	Kenai - Sewer Lift Sta	30,000	-0-	30,000		Design
79-172	Kenai - Airport Way Sewer	143,500	43,050	100,450		Design
80-19	Ketchikan - Highlands Sub. Div. Phase I	197,500	-0-	197,500		Plans Approved
80-19	Ketchikan - Tongass View Resubdivision	86,000	-0-	86,000		Construction
80-19	Kodiak - Shelikof Water Lines	28,948	-0-	28,948		Construction
78-320 336	King Salmon #81	2,820	-0-	2,820		Step I Awarded
79-222	Kodiak Borough Island Lake 69	6,186	-0-	6,186		Step I Awarded
78-320	Nenana - Water & Sewer	220,779	-0-	220,779		Design
77-378	Petersburg - #47	52,243	1,519	50,724		Collectors Pending Audit
80-159X	Palmer West Interceptor	219,284	-0-	219,284		Step 2 & 3

CATEGORY NRMEC AGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

CH.I. SLAI OR RPI	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
79-75	NSB - Sewage Vehicles	145,000	-0-	145,000		Purchased
78-156	Saxman - Water	34,000	-0-	34,000		Design
77-410	Seldovia - Water	40,000	32,000	8,000		Construction
80-159X	Seldovia - Sewerage #71	1,807	-0-	1,807		Step I Awarded
78-156	Seward - Bayview	76,000	68,400	7,600		Construction
78-202	Seward - Jesse Lee Hts.	22,574	-0-	22,574		Completed Pending Audit
78-54	Seward - Water Improvement	270,000	243,000	27,000		Construction
78-336 79-172	Seward - Sewer #51	57,331	10,018	47,313		Design Design
78-82	Sitka - Sawmill Exp.	318,000	254,400	63,600		Construction
79-191	Sitka Harris Is. Water Extension	37,500	-0-	37,500		Design
78-305	Ketchikan - Sewer #53	140,363	-0-	140,363		Design
79-222	Soldotna - Kobuk St. Water and Sewer	185,000	-0-	185,000		Construction
79-222	Soldotna - Sterling Street W & S	220,000	-0-	220,000		Construction
80-19	Wrangell St. Michael St. Water	10,072	-0-	10,072		Plans Approved
77-410	Wrangell - Sewer #45	12,415	-0-	12,415		EPA Audit Pending

CATEGORY NRMECAGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH./ SLA/ OR RPI	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
79-18	Anchorage - Camp Creek Force Main #2	205,000	44,793	160,207		Under Construction
79-18	Anchorage Camp Creek Pump Station	129,000	-0-	129,000		Under Construction
78-21	Anchorage - C Street Trunk Sewer	150,000	-0-	150,000		Construction Complete
77-443	Anchorage - I.I.D. 78 DeBarr	161,660	145,494	16,166		Complete Pending Audit
79-60	Anchorage - STP Exp.	85,000	-0-	85,000		Design
77-294	Anchorage - 78" w. Interceptor	1,120,000	-0-	1,120,000		Plans Approved
77-102 77-180	Anchorage - Girdwood	1,792,503	905,192	887,311		EPA Audit Pending
74-146	Anchorage - Phase I Water	930,530	770,470	160,060		Being Audited
79-18	Anchorage - E. 26th Avenue	32,672	31,186	1,486		Completed Pending Audit
79-18	Anchorage - Telemetering Phase II	49,500	-0-	49,500		Construction
77-267	Anchorage - Water Well #7	117,699	105,929	11,770		Completed Pending Audit
79-18	Anchorage - Dowling Road - Potter	112,185	89,748	22,437		Construction
77-443	Bethel - University Water & Sewer	247,500	136,125	111,375		Construction
78-320	Cordova - North Side Interceptor	564	-0-	564		Design
77-129	Cordova - I/I	2,500	2,500	-0-		EPA Audit Pending

CATEGORY NRMEC AGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH.#, SLA# OR RPI	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
75-291	Cordova - Sewer 41	414,407	371,993	42,414		EPA Audit Pending
79-45	Cordova - Industrial Park Water	8,267	8,267	-0-		Design
76-267	Dillingham C-020066	2,888	-0-	2,888		Step I Awarded
77-180	Fairbanks - C-020039	2,475,653	1,874,300	601,353		EPA Audit Pending
79-60	Haines - Harbor Water	16,000	-0-	16,000		Construction
79-45	Homer - Lakeside Village	241,802	193,441	48,361		Construction
77-129	Haines - I/I	1,546	1,546	-0-		EPA Audit Pending
79-60	Anchorage - Inter. Airport Road Sewer	401,635	-0-	401,635		Design
76-190	Juneau - Express Crossing	9,300	8,370	930		Completed Pending Audit
76-291	Juneau - AJ Water	130,527	110,550	19,977		Completed
76-275	Juneau - Lemon Creek	270,000	169,250	100,750		EPA Audit Pending
77-275	Kenai - Anchor Point School	10,000	9,000	1,000		Completed Pending Audit
76-190	Kenai - Water System	223,200	153,620	69,580		EPA Audit Pending
77-267	King Salmon #81	3,000	-0-	3,000		Step I Awarded
75-291	Kodiak - #74 STP	985,318	742,910	242,408		EPA Audit Pending

CATEGORY NRMEC AGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH.#, SL# OR RPI	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1978	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
79-45	Naknek - #82	3,665	-0-	3,665		Step I Awarded
77-180	Nome - STP	7,579	7,277	302		Design
76-315	North Slope Borough D.H.	2,250,000	918,750	1,331,250		Design - Construction
79-18	NSB - Water Vehicles	135,000	-0-	135,000		Purchased
79-18	NSB - Point Hope	336,935	-0-	336,935		Construction
79-18	NSB - Anaktuvuk Pass	246,200	-0-	246,200		Construction
79-60	Palmer - Water System Improvement	651,275	-0-	651,275		Construction
75-291	Petersburg - Sewer #47	780,285	778,174	2,111		Collectors Pending Audit
75-45	Seldovia - Water & Sewer	60,000	-0-	60,000		Design
77-180	Seward - Jesse Lee Hrs.	180,813	162,732	18,081		Pending Audit
75-291	Seward - Sewer #51	11,875	11,875	-0-		Design
75-291	Sitka - Sewer #52	141,473	17,653	123,820		Design
75-291	Ketchikan - Sewer #53	29,375	29,375	-0-		Design
75-291	Skagway - #46	502,961	417,912	85,049		EPA Audit Pending
77-275	Soldotna - STP Expan. #76	3,500	3,500	-0-		Design

CATEGORY NRMEC AGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH./ SLA/ OR RF#	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
75-291	Valdez - Airport and Sewer	210,184	168,147	42,037		EPA Audit Pending
75-291	Valdez - STP #49	973,675	741,925	231,750		EPA Audit Pending
77-267	Valdez - Zook Sub.	100,000	45,745	54,255		Completed Pending Audit
77-378	Wrangell - 12" Trans.	15,800	14,220	1,580		Completed Pending Audit
77-294	Wasilla - #73	6,375	6,278	97		Step I Awarded
77-129	Whittier - Sewer #80	166,599	-0-	166,599		Design Construction
75-291	Wrangell - #45	751,275	615,650	135,625		EPA Audit Pending
76-315	Unalaska Water	175,300	126,494	48,806		EPA Audit Pending
	Kodiak STP 130384	312,000	249,600	62,400		EPA Audit Pending
	Skagway Water	221,200	176,960	44,240		EDA Audit Pending
	Juneau-Airport Water	70,500	63,450	7,050		State Audit Pending
	TOTAL	18,673,700	10,430,401	8243,299		

CATEGORY NRMEC AGENCY Environmental Conservation PROGRAM Facility Construction & Operation

38 STATUS OF CURRENTLY
APPROVED CAPITAL PROJECTS

REVISED
DATE

CH.#, SLA# OR RPI	PROJECT TITLE AND LOCATION	AMOUNT AUTHORIZED	TOTAL EXPENDITURES THROUGH JUNE 1979	PLANNED EXPENDITURES THROUGH COMPLETION	EST. COMPL. DATE	STATUS
76-146	Kenai - WS Improvement and Expansion 75	124,700	124,700	-0-		EPA Audit Pending
77-102	Homer - Spilt #56	2,500	2,500	-0-		Construction
77-443	Anchorage - Pressure Red. Station	70,000	40,000	30,000		Construction
76-146	Nome - STP	3,500	3,500	-0-		Design
78-305	Palmer - West Interceptor	3,438	-0-	3,438		Step I Awarded
76-292	Seldovia - Water	9,763	-0-	9,763		Delayed
76-292	Seldovia - Sewer 71	2,625	-0-	2,625		Step I Awarded
79-45	Soldotna STP 76	22,603	-0-	22,603		Design
76-146	Petersburg - Sewer	115,404	99,241	16,163		Collectors Pending Audit
75-291	Unalaska - Water	312,750	312,750	-0-		EPA Audit Pending
78-320	Unalaska - #64	4,350	-0-	4,350		Step I Awarded
N/A	Anchorage - Phase I Water	500,000	500,000	-0-		

CATEGORY NRMEC AGENCY Environmental Condervation PROGRAM Facility Construction Operation

38: STATUS OF CURRENTLY APPROVED CAPITAL PROJECTS

REVISED DATE

THE LEGISLATURE OF THE STATE OF ALASKA
ELEVENTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. S.B. 436
 Title An Act relating to grants for solid waste processing or disposal facilities; etc.
 Requested by Kerttula Date February 12, 1980

II. FISCAL DETAIL

Agency Affected Department of Environmental Conservation
 Program Category Affected Facility Construction and Operation Section
 BRU, Program, or Subprogram(s) Affected Environmental Quality Operations
 (Note: If more than one budget component is affected, separate line-item amounts and funding for each component in the analysis section.)

EXPENDITURES (Thousands of Dollars)

	Assumes annual inflation of 8%					
	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85
100 PERSONAL SERVICES	66.7	72.0	77.8	84.0	90.7	97.6
200 TRAVEL	8.0	8.6	9.3	10.1	10.9	11.8
300 CONTRACTUAL	4.5	4.9	5.2	5.7	6.1	6.6
400 COMMODITIES	1.0	1.1	1.2	1.3	1.4	1.5
500 EQUIPMENT	2.5	0.0	0.0	0.0	0.0	0.0
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
TOTAL	82.7	86.6	93.5	101.1	109.1	117.5

FUNDING (Thousands of Dollars)

GENERAL FUND	82.7	86.6	93.5	101.1	109.1	117.5
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME	2.0	2.0	2.0	2.0	2.0	2.0
PART TIME						
TEMPORARY						

III. ANALYSIS (See Fiscal Note Preparation Instructions, Section III)

If S.B. 436 is adopted, authorizing the award of solid waste construction grants, it will be necessary to amend S.B. 131 to add an additional \$10.0 million to cover the increased grants burden. Also an additional \$2.5 to \$3.0 million appropriation will be needed to cover the award of grants from the July 1, 1980 effective date through the time when bond funds are approved for use. Should S.B. 436 be amended further to increase the grant percentage to 75% this fiscal note will need to be amended.

IV. DATE February 14, 1980 PREPARED BY Keith Kelton
 AGENCY Alaska Department of Environmental Conservation
 Original: Legislative Finance PHONE 465-2610
 cc: Budget and Management
 Prime Sponsor (First Legislator Named)



Alaska State Legislature

House of Representatives

Committee on

Community & Regional Affairs

Pouch V
State Capitol
Juneau, Alaska 99811

Official Business

BILL NUMBER AND TITLE: HB 689 Bonds \$25 Million for water/sewer

ORIGINAL SPONSOR: Rules - Gov. Request
RECEIVED FROM: _____

OTHER SPONSORS: _____
FURTHER REFERRALS: Finance

HEARING DATE: 3/10/80

MEMBERS PRESENT:	Bill Parker X	Pat Carney X
	Margaret Branson X	Charlie Parr X
	Pat O'Connell	Fred Zharoff X
		Ray Metcalfe X

Ernest Mueller, Commissioner Dept. Environmental Conservation
Keith Kelton, Chief, Facilities Construction & Operations Section

Made reference to the Senate C&RA CS on SB 131, originally introduced by Sen. Kerttula which raised the bond amount to \$41 million and included grants for solid waste facilities construction.

Discussion and questions concentrated on the Village Safe Water Act, its effectiveness, and the prioritization of the projects to be funded by the bonds in the villages.

The Commissioner pointed out that two major changes had taken place in the Village Safe Water program during the last 5 years including: 1. the projects had been simplified a great deal 2. Local labor was now being used extensively in the projects.

In response to whether the communities were able to afford continued support of the projects after they were installed, Mueller responded that there had been a problem in Beaver.

Mr. Kelton reviewed the bond chart developed by the Dept. which outlined the process followed after the bonds were approved by the voters.

Parr questioned the ability of the Dept. to handle increased amount of funding and whether staff would be necessary. As reflected in the Senate fiscal note on the subject, additional staff would be necessary if solid waste was to be added to the bond bill.

It was clarified that bond money could be used for bond specifications. Budget and Management is responsible for processing the application.

Housing and health clinics in the facilities are authorized in the statutes and are available if the communities indicate interest in such. The State works with the Public Health Service in constructing projects.

COMMITTEE ACTION:

TAPE # 4 SIDE 1 Footage 1487

Perry Lovett, City Manager, Cordova
Supports the bill and also SB 436.

Parr - questions if sludge can be dumped. Thought that it had been illegal since 1972.

Carney - Questions DEC on villages included in the list of those who would get funding.

Branson - Suggests amending line 1 page 2 to include "solid waste" construction grants. This will be included in a CS.

(OVER)

Original sponsor: Kerttula

Offered: 2/20/80
Referred: Finance

1 IN THE SENATE

BY THE COMMUNITY AND
REGIONAL AFFAIRS COMMITTEE

2

CS FOR SENATE BILL NO. 131

3

IN THE LEGISLATURE OF THE STATE OF ALASKA

4

ELEVENTH LEGISLATURE - SECOND SESSION

5

A BILL

6

For an Act entitled: "An Act providing for the issuance of general obligation bonds in the amount of \$41,520,000 for the purpose of paying the cost of water and sewerage system and solid waste facility construction; and providing for an effective date."

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BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

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* Section 1. For the purpose of paying the cost of water and sewerage system and solid waste facility construction, general obligation bonds of the state in the principal amount of not more than \$41,520,000 shall be issued and sold. The full faith, credit and resources of the state are pledged to the payment of the principal of and interest and redemption premium, if any, on these bonds. These bonds shall be issued under the provisions of AS 37.15 as those provisions read at the time of issuance.

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* Sec. 2. If the issuance of these bonds is authorized by the qualified voters of the state, a special fund of the state to be known as the "1980 Water Supply and Sewerage Systems and Solid Waste Facilities Construction Fund" shall be established, to which shall be credited the proceeds of the sale of the bonds described in sec. 1 of this Act except for the accrued interest and premiums. The amount of \$41,520,000 is appropriated from the "1980 Water Supply and Sewerage Systems and Solid Waste Facilities Construction Fund" to the Department of Environmental Conservation to be allocated as follows:

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Project	Location	Amount
(1) village safe water construction		

*See house
version is
urban*

1 grants statewide \$ 2,520,000

2 (2) municipal water supply, sewerage
3 system and solid waste facilities

4 construction grants statewide 39,000,000

5 * Sec. 3. If the issuance of these bonds is authorized by the qualified
6 voters of the state, the amount of \$146,000 or as much of that amount as is
7 found necessary is appropriated from the general fund of the state to the
8 state bond committee to carry out the provisions of this Act and to pay
9 expenses incident to the sale and issuance of the bonds authorized in this
10 Act. The amounts expended from the appropriation authorized by this section
11 shall be reimbursed to the general fund from the proceeds of the sale of the
12 bonds authorized by this Act.

13 * Sec. 4. The question whether the bonds authorized in this Act are to be
14 issued shall be submitted to the qualified voters of the state at the next
15 general election and shall read substantially as follows:

16 Proposition

17 State General Obligation Water Supply and Sewerage
18 Systems and Solid Waste Facilities Construction
19 Bonds \$41,520,000

20 Shall the State of Alaska issue its general obligation bonds
21 in the principal amount of not more than \$41,520,000 for the
22 purpose of paying the cost of village and municipal water
23 supply, sewerage system, and solid waste facilities construction?

24 Bonds Yes []

25 Bonds No []

26 * Sec. 5. This Act takes effect immediately in accordance with AS 01.10.-
27 070(c).

Introduced: 2/8/80
Referred: Community & Regional
Affairs and Finance

BY THE RULES COMMITTEE BY
REQUEST OF THE GOVERNOR

1 IN THE HOUSE

2 HOUSE BILL NO. 689

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 ELEVENTH LEGISLATURE - SECOND SESSION

5 A BILL

6 For an Act entitled: "An Act providing for the issuance of general obliga-
7 tion bonds in the amount of \$25,520,000 for the purpose
8 of paying the cost of capital improvements for water
9 and sewer systems; and providing for an effective
10 date."

11 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

12 * Section 1. For the purpose of paying the cost of capital improvements
13 for water and sewer systems, general obligation bonds of the state in the
14 principal amount of not more than \$25,520,000 shall be issued and sold. The
15 full faith, credit and resources of the state are pledged to the payment of
16 the principal of and interest and redemption premium, if any, on these bonds.
17 These bonds shall be issued under the provisions of AS 37.15 as those
18 provisions read at the time of issuance.

19 * Sec. 2. If the issuance of these bonds is authorized by the qualified
20 voters of the state, a special fund of the state to be known as the "1980
21 Water Supply and Sewerage Systems Fund" shall be established, to which shall
22 be credited the proceeds of the sale of bonds described in sec. 1 of this Act
23 except for accrued interest and premiums. There is appropriated from the
24 "1980 Water Supply and Sewerage Systems Fund" to the Department of Environ-
25 mental Conservation the amount of \$25,520,000, allocated in accordance with
26 the following projects and estimates:

27	Project	Location	Amount
28	(1) Village safe water con-		
29	struction grants	Statewide	\$ 2,520,000