

**2005-2009 Capital Improvement Program
Project List by Function**

Print date: 12/7/2004

Budget Item	Budget Item Title	Function	Category	2005	2006	2007	2008	2009
DISTRIBUTION PROJECTS								
03.0182	Code Violation Corrections	Distribution	Safety	\$48,000	\$50,000	\$50,000	\$50,000	\$50,000
03.0810	Municipal Undergrounding	Distribution	Agency	\$600,000	\$600,000	\$0	\$0	\$0
03.0811	State Undergrounding Requirement	Distribution	Agency	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
01.0367	OH Line Extensions - Distribution (66% non-reim only)	Distribution	New Services	\$157,000	\$161,000	\$161,000	\$161,000	\$161,000
01.0368	UG Line Extensions - Distribution (66% non-reim only)	Distribution	New Services	\$2,479,000	\$2,513,000	\$2,513,000	\$2,513,000	\$2,513,000
01.0581	Operations Service Connects (inc'l Coreflo)	Distribution	New Services	\$1,665,000	\$1,726,000	\$1,726,000	\$1,726,000	\$1,726,000
CapMeter	Capitalized Meters/Transformers	Distribution	New Services	\$1,340,100	\$1,422,000	\$1,422,000	\$1,422,000	\$1,422,000
02.0384	Abbott Loop Distr. Subst. Feeders	Distribution	Load Growth	\$0	\$0	\$0	\$94,500	\$1,064,300
02.0745	Postmark Distribution Substation Feeders	Distribution	Load Growth	\$212,000	\$956,000	\$0	\$0	\$0
02.0787	Dowling 612 Underground Feeder Circuit	Distribution	Load Growth	\$772,600	\$0	\$0	\$0	\$0
03.0225	12.5 & 25kV Distribution Reconductoring	Distribution	Load Growth	\$0	\$0	\$200,000	\$200,000	\$200,000
03.0543	Dave's Creek 352 Re-Energize "B" Phase	Distribution	Load Growth	\$58,300	\$59,800	\$60,000	\$60,000	\$0
01.0667	Distr. Primary Loop Closures	Distribution	Reliability	\$85,100	\$52,500	\$52,500	\$52,500	\$52,500
02.0817	Airport 412 Feeder Getaway	Distribution	Reliability	\$110,000	\$0	\$0	\$0	\$0
03.0509	UG Cable Rehabilitation Project	Distribution	Reliability	\$0	\$400,000	\$400,000	\$400,000	\$400,000
03.0538	UG Cable Replacement	Distribution	Reliability	\$0	\$250,000	\$250,000	\$250,000	\$250,000
03.0541	Bonibrook Subd. Addn #3 - 3Ph Cable Replacement	Distribution	Reliability	\$240,000	\$0	\$0	\$0	\$0
03.0866	Hope Line Reliability (100% Grant Reimb)	Distribution	Reliability	\$0	\$0	\$0	\$0	\$0
07.0849	Street Light Conductor Replacement	Distribution	Reliability	\$72,800	\$75,500	\$75,500	\$75,500	\$75,500
DISTRIBUTION PROJECTS SUBTOTAL				\$8,239,900	\$8,665,800	\$7,310,000	\$7,404,500	\$8,314,300

DISTRIBUTION SUBSTATION PROJECTS

04.0428	Abbott Loop Substation	Distribution Substation	Load Growth	\$0	\$0	\$29,000	\$187,000	\$3,307,000
05.0746	Postmark 138/12.5kV Substation	Distribution Substation	Load Growth	\$431,000	\$3,646,000	\$0	\$0	\$0
05.0825	Dowling Substation 612 Breaker	Distribution Substation	Load Growth	\$384,000	\$0	\$0	\$0	\$0
05.0847	Airport Substation 412 Breaker	Distribution Substation	Load Growth	\$284,000	\$0	\$0	\$0	\$0
05.0380	Portage Subst Switchgear Roof	Distribution Substation	R&R Distribution	\$79,000	\$0	\$0	\$0	\$0
05.0488	Alternate Station Service	Distribution Substation	R&R Distribution	\$34,400	\$35,800	\$35,800	\$35,800	\$35,800
05.0957	Turnagain Relay and Control Upgrade	Distribution Substation	R&R Distribution	\$0	\$0	\$0	\$0	\$263,000
05.0959	Woodland Park Relay and Control Upgrade	Distribution Substation	R&R Distribution	\$0	\$0	\$0	\$0	\$263,000
DISTRIBUTION SUBSTATION PROJECTS SUBTOTAL				\$1,212,400	\$3,681,800	\$64,800	\$222,800	\$3,868,800

MUNICIPAL AND STATE RELOCATION PROJECTS

03.0485	Misc. State and Muni. Relocation Projects (10% non-reim only)	Reimb Relocates	Agency	\$156,000	\$156,000	\$156,000	\$156,000	\$156,000
03.0485M	West No Lights Relocation - Dist (10% non-reim only)	Reimb Relocates	Agency	\$262,800	\$0	\$0	\$0	\$0
MUNICIPAL AND STATE RELOCATION PROJECTS SUBTOTAL				\$418,800	\$156,000	\$156,000	\$156,000	\$156,000

SUBTRANSMISSION PROJECTS

11.0487	South Anch Sub 34.5kV Feeders	Subtransmission	Load Growth	\$556,000	\$0	\$0	\$0	\$0
11.0491	34kV Reconductor-Sand Lake Sub to 94th Ave	Subtransmission	Load Growth	\$0	\$0	\$0	\$803,300	\$0
11.0386	34.5kV Subtrans OH Reconductoring	Subtransmission	Load Growth	\$0	\$0	\$0	\$0	\$2,184,000
03.0820	IGT 34.5kV Getaway Replacements	Subtransmission	R&R Subtransmission	\$0	\$0	\$0	\$160,300	\$1,185,600
02.0145	Alternate 35kV Supply to Baxter Substation	Subtransmission	Reliability	\$1,880,000	\$896,000	\$0	\$0	\$0
SUBTRANSMISSION PROJECTS SUBTOTAL				\$2,436,000	\$896,000	\$0	\$963,600	\$3,369,600

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TRANSMISSION PROJECTS								
10.0601	Aircraft Warning Marker Replacement	Transmission	Safety	\$52,500	\$54,000	\$54,000	\$54,000	\$54,000
10.0848	Raptor Protection	Transmission	Agency	\$50,500	\$51,000	\$51,000	\$51,000	\$51,000
10.0702	South Anch. Loop - Univ SS & HQ Modifications	Transmission	Load Growth	\$134,000	\$0	\$0	\$0	\$0
10.0703	South Anch. Loop - Pt. MacKenzie Modifications	Transmission	Load Growth	\$575,000	\$0	\$0	\$0	\$0
10.0727	New 138kV University to South Anchorage	Transmission	Load Growth	\$551,000	\$3,042,000	\$2,480,000	\$0	\$0
08.0475	138 kV International Subst.to So. Anch. Subst.	Transmission	Load Growth	\$632,000	\$0	\$0	\$0	\$0
09.0452	South Anchorage Bulk Station	Transmission	Load Growth	\$6,602,000	\$203,000	\$0	\$0	\$0
10.0858	Beluga 138kV Relay & Control Upgrade Phase II	Transmission	R&R Transmission	\$120,400	\$0	\$0	\$0	\$0
10.0909	Beluga 230kV Relay & Control Upgrade Phase II	Transmission	R&R Transmission	\$120,400	\$0	\$0	\$0	\$0
10.0945	Teeland Relay & Control Upgrades	Transmission	R&R Transmission	\$0	\$0	\$0	\$0	\$771,000
10.0960	Quartz Creek Relay & Control Upgrades	Transmission	R&R Transmission	\$0	\$0	\$467,400	\$0	\$0
10.0970	230kV BZO Breaker Replacements	Transmission	R&R Transmission	\$906,800	\$883,800	\$883,800	\$0	\$0
10.0971	Bernice Lake Alternate Station Service	Transmission	R&R Transmission	\$0	\$42,970	\$0	\$0	\$0
10.0239	138kV Yard @ IGT	Transmission	Operating Efficiency	\$0	\$0	\$100,000	\$6,320,000	\$0
05.0726	Six Mile East Bus Improvements	Transmission	Reliability	\$0	\$184,012	\$0	\$0	\$0
10.0593	Beluga Line #3, Str 8-2	Transmission	Reliability	\$216,000	\$0	\$0	\$0	\$0
10.0594	115kV Glacier Creek , Str. 32-6	Transmission	Reliability	\$330,100	\$0	\$0	\$0	\$0
TRANSMISSION PROJECTS SUBTOTAL				\$10,290,700	\$4,460,782	\$4,036,200	\$6,425,000	\$876,000

GENERATION PROJECTS

12.0620	Beluga Unit 7 Annual - SRU (LCI & Hex Rings Net of Refurbished)	Generation	Capitalized Maint Generation	\$1,191,000	\$0	\$0	\$0	\$0
12.0626	Beluga Unit 5 HGP Inspection	Generation	Capitalized Maint Generation	\$680,000	\$0	\$0	\$0	\$0
12.0783	Beluga Unit 3 Hot Gas Path Inspection - SRU Project (Net of refurbished parts)	Generation	Capitalized Maint Generation	\$527,000	\$0	\$0	\$0	\$0
12.0851	Beluga Unit 1 Hot Gas Path Inspection - SRU Project	Generation	Capitalized Maint Generation	\$0	\$0	\$0	\$323,000	\$0
12.0852	Beluga Unit 2 Hot Gas Path Inspection - SRU Project	Generation	Capitalized Maint Generation	\$0	\$0	\$323,000	\$0	\$0
12.0853	Beluga Unit 6 Major Overhaul - SRU Project (Net of refurbished parts)	Generation	Capitalized Maint Generation	\$0	\$7,300,000	\$0	\$0	\$0
12.0854	Beluga Unit 7 Rotor Overhaul - SRU Project (Net of refurbished parts)	Generation	Capitalized Maint Generation	\$0	\$0	\$0	\$6,500,000	\$0
12.0856	Beluga Unit 5 Major Overhaul - SRU Project (Net of refurbished parts)	Generation	Capitalized Maint Generation	\$0	\$0	\$3,500,000	\$0	\$0
12.0857	Beluga Unit 8 Major Life Extension - SRU Project	Generation	Capitalized Maint Generation	\$0	\$0	\$0	\$2,500,000	\$0
12.0317	Plant Security Phase II	Generation	Safety	\$120,000	\$0	\$0	\$0	\$0
12.0318	Beluga Air System Dryer Addition	Generation	R&R Generation	\$36,000	\$0	\$0	\$0	\$0
12.0320	Beluga Enstar Gas Controls	Generation	R&R Generation	\$22,200	\$0	\$0	\$0	\$0
12.0321	Beluga Unit 3 Relay & Control Upgrade	Generation	R&R Generation	\$201,000	\$0	\$0	\$0	\$0
12.0552	Beluga U6&U7 Fire Suppression	Generation	R&R Generation	\$154,000	\$0	\$0	\$0	\$0
12.0650	Beluga Unit 3 Turbine Controls	Generation	R&R Generation	\$1,395,000	\$0	\$0	\$0	\$0
12.0651	Beluga Unit 5 Controls Upgrade	Generation	R&R Generation	\$113,000	\$0	\$0	\$0	\$0
12.0671	Beluga Mezzanine Fire Suppression	Generation	R&R Generation	\$12,000	\$0	\$0	\$0	\$0
12.0911	IGT Unit 1 Relay Upgrade	Generation	R&R Generation	\$0	\$125,000	\$0	\$0	\$0
12.0912	IGT Unit 2 Relay Upgrade	Generation	R&R Generation	\$0	\$125,000	\$0	\$0	\$0
New1	New Generation	Generation	Operating Efficiency	\$470,000	\$3,090,000	\$51,800,000	\$44,760,000	\$28,420,000
GENERATION PROJECTS SUBTOTAL				\$4,921,200	\$10,640,000	\$55,623,000	\$54,083,000	\$28,420,000

SCADA PROJECTS

16.0919	SCADA Communications Upgrades	SCADA	R&R Transmission	\$125,000	\$163,000	\$187,000	\$0	\$0
16.0942	SCADA/EMS Master Migration	SCADA	R&R Transmission	\$187,700	\$778,000	\$752,000	\$366,000	\$0
SCADA PROJECTS SUBTOTAL				\$312,700	\$941,000	\$939,000	\$366,000	\$0

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TELECOMMUNICATIONS PROJECTS								
16.0916	Beluga Plant PA Replacement	Telecom	Safety	\$94,900	\$0	\$0	\$0	\$0
16.0941	Moose Pass & Tyonek UHF Radio Site Additions	Telecom	Safety	\$51,100	\$79,000	\$0	\$0	\$0
16.0965	Beluga Communications Tower Replacement	Telecom	Safety	\$215,600	\$0	\$0	\$0	\$0
16.0934	Communications Site Fire Improvements	Telecom	Safety	\$119,500	\$0	\$0	\$0	\$0
16.0914	Communications Power Improvements	Telecom	R&R Transmission	\$114,700	\$105,000	\$62,000	\$50,300	\$50,300
16.0920	Building "A" SCADA UPS	Telecom	R&R Transmission	\$96,000	\$0	\$0	\$0	\$0
16.0931	Radio Coverage Improvements	Telecom	R&R Transmission	\$29,600	\$0	\$0	\$0	\$0
16.0937	Paging System Upgrade	Telecom	R&R Transmission	\$0	\$48,008	\$0	\$0	\$0
16.0939	ML&P Microwave	Telecom	R&R Transmission	\$0	\$145,000	\$0	\$0	\$0
16.0966	Bernice Power Plant Telephony Upgrade	Telecom	R&R General Plant	\$0	\$26,728	\$0	\$0	\$0
16.0967	Centralized Directory Database	Telecom	R&R General Plant	\$0	\$39,270	\$0	\$0	\$0
16.0968	Cooper Lake Dam Failure Monitoring System	Telecom	R&R General Plant	\$77,000	\$0	\$0	\$0	\$0
16.0969	Headquarters PBX Communications Server Revision	Telecom	R&R General Plant	\$0	\$29,092	\$0	\$0	\$0
16.0972	Headquarters Voicemail System Upgrade	Telecom	R&R General Plant	\$0	\$35,980	\$0	\$0	\$0
16.0943	Turnagain Arm Comm Improvements	Telecom	Operating Efficiency	\$70,700	\$80,000	\$0	\$0	\$0
16.0918	Station Operations LAN Infrastructure	Telecom	Reliability	\$0	\$121,287	\$37,000	\$37,100	\$0
TELECOMMUNICATIONS PROJECTS SUBTOTAL				\$869,100	\$709,365	\$99,000	\$87,400	\$50,300
DEFERRED DEBIT PROJECTS								
20.0108	Cooper Lake Relicensing	Energy Supply	Agency	\$1,098,000	\$254,000	\$0	\$0	\$0
20.0104	GIS Integration	Info. Services	Software Implementation/Upgrade	\$153,500	\$0	\$0	\$0	\$0
20.0142	RCM/MMW Software Implementation	Info. Services	Software Implementation/Upgrade	\$162,000	\$154,000	\$0	\$0	\$0
20.0106	Cascade Implementation - ES	Info. Services	Software Implementation/Upgrade	\$113,000	\$0	\$0	\$0	\$0
DEFERRED DEBIT PROJECTS SUBTOTAL				\$1,526,500	\$408,000	\$0	\$0	\$0
2005 CAPITAL IMPROVEMENT PROGRAM GRAND TOTAL				\$30,227,300	\$30,558,747	\$68,228,000	\$69,708,300	\$45,055,000