

ANCHORAGE SCHOOL DISTRICT
ANCHORAGE, ALASKA

MEMORANDUM #328 (2005-2006)

June 12, 2006

TO: SCHOOL BOARD

FROM: OFFICE OF THE SUPERINTENDENT

RE: GRANT APPLICATION AUTHORIZATION FOR ALASKA ENERGY
COST REDUCTION PROJECTS

ASD Goal: Establish and maintain a supportive and effective learning environment by providing safe, caring, barrier-free schools. Ensure public accountability through effective consultation with community to ensure wise use of financial resources and responsible construction and maintenance of facilities, and effective communication with students, staff, parents, community and government at all levels.

RECOMMENDATION:

It is the Administration's recommendation that the School Board authorize the Superintendent to submit Energy Cost Reduction projects for grant funds from the Alaska Energy Authority, for the total eligible project cost of \$1,900,000 for Energy Conservation Projects at 13 facilities and for development of a building administrator energy use awareness-training program.

PERTINENT FACTS:

On April 17, 2006 the Alaska Energy Authority (AEA), acting as agent for the Alaska Industrial Development and Export Authority and the Denali Commission, issued a Request for Proposals to fund projects that reduce energy costs within the State of Alaska. The category of project for which the Anchorage School District will apply enhances end-use conservation of electricity, space heat, or water heat through implementation of energy conservation measures (ECM's). The grant match will be determined at the time of the grant award.

Using FY 1999-2000 Operating funds, the District conducted Energy Audits of the 13 highest energy-using facilities to document potential energy saving opportunities and to establish preliminary construction budgets and simple payback timeframes (Attachment A). This information was used to support the 2004 Major Maintenance Bond funding request for \$780,000 to fund those projects with an average payback of 3 years or less. These AEA grants, if

awarded, will provide additional matching funds, allowing more ECM projects to be completed at each location.

The building administrator at each of the District's facilities holds the key to effective energy use in their buildings. Empowered with the proper training and automated energy tracking tools, the daily control of energy consumption will be delegated to the facility administrator level. If awarded, this grant will develop a building administrator energy training course to reduce energy consumption and allow savings to be utilized for direct classroom benefit.

The grant application requires an Authorized designee be delegated to represent the District. That designee is George Vakalis, Assistant Superintendent of Support Services. Currently, the Anchorage School District is in good standing with respect to its existing credit and federal tax obligations.

CC/GV/RA/MF/jg

Attachment A

Prepared by: Jeremy Gray, Project Manager – Major Maintenance
 Mike Franks, Construction Manager – Major Maintenance
 Ray Amsden, Director of Facilities

Approved by: George Vakalis, Assistant Superintendent of Support Services

Anchorage School District 2006 Adjusted Energy Audit Summary

Anchorage School District Board Memo # 328 Attachment A

Building	Total Project Estimate	Amount Expended	Eligible for Grant	*Savings per Year	**Actual Payback Period
Baxter Elementary School	\$77,874	\$14,557	\$63,317	\$19,847	3.9
Benny Benson Secondary School	\$122,015	\$14,557	\$107,458	\$14,274	8.5
Inlet View Elementary School	\$96,455	\$14,557	\$81,898	\$12,280	7.9
Kasuun Elementary School	\$126,782	\$17,590	\$109,192	\$19,440	6.5
Huffman Elementary School	\$290,914	\$14,557	\$276,357	\$29,025	10.0
Steller Secondary School	\$137,448	\$17,173	\$120,275	\$24,069	5.7
Student Nutrition	\$77,582	\$14,557	\$63,025	\$36,466	2.1
Facilities/Maintenance	\$171,489	\$14,557	\$156,932	\$37,778	4.5
Muldoon Elementary School	\$118,030	\$14,557	\$103,473	\$17,559	6.7
Lake Hood Elementary School	\$78,689	\$14,557	\$64,132	\$19,419	4.1
Ptarmigan Elementary School	\$90,984	\$14,557	\$76,427	\$14,151	6.4
Bowman Elementary School	\$238,819	\$14,557	\$224,262	\$44,663	5.3
West High School	\$332,716	\$14,557	\$318,159	\$103,557	3.2
Building Administrator Training Program	\$131,357	\$0	\$131,357	\$135,000	1.0
Totals	\$2,091,154	\$194,890	\$1,896,264	\$527,528	4.0

* Savings based on average of FY2005 utility rates

** Formula for payback period is calculated by

Total Project Estimate / Savings per Year