

Date: May 23, 2017

For ACTION: _____

For INFORMATION: X

Board Agenda: Yes _____

No X

FROM: Jeet Viswanathan, Project Manager
Richard Jackson, Director of Education Facilities

THROUGH: Alvin Crawley, Ed.D., Superintendent of Schools
Clarence E. Stukes, Chief Operating Officer

TO: The Honorable Ramee A. Gentry, Chairman, and the Members of the Alexandria City School Board

TOPIC: **Renegotiate Minimum Electric Demand Capacity with Dominion Power at TC Williams**

SUMMARY: The purpose of this memorandum is to inform the School Board of current efforts to reduce energy consumption and cost as we work towards meeting our goal under **Key Performance Metric 4.3.1: Change of energy usage per square foot in kBtu/Sqft.**

BACKGROUND: On June 16, 2008 Alexandria City Public Schools signed an agreement with Dominion Power to provide electric service at the new TC William High School. At the time of signing the contract, the minimum electric demand capacity requested was 4085 kVA. Currently the cost to service this electric demand is on average \$90,000 per year which is paid by Alexandria City Public Schools. During the internal review of TC Williams' electric profile, staff noticed that the facility has been consistently using in the range of 2100 kVA of electric demand capacity, which is much lower than 4085 kVA requested from Dominion Power at the time of signing the contract.

RECOMMENDATION: Renegotiate the minimum electric demand capacity with Dominion Power based on existing electric demand consumption patterns.

IMPACT: Renegotiation of the existing contract will reduce the cost of electric demand charges down to \$50,000 per year instead of current \$90,000 yielding **a net savings of \$40,000 per year** (spread over 12 months).

ATTACHMENTS: TC William Electric Profile Review (pages 2-3 of the attached profile)

CONTACT: Jeet Viswanathan, Project Manager. 703-619-8056

	Currently Used	Currently Agreed Minimum	Currently Billed (Cost to decrease after renegotiation)
Bill Date	Metered KW Peak ON	Distribution kW	Distribution Demand Cost
January 11 th 2014	1093.7	2859	\$8192.74
February 11 th 2014	907.9	2859	\$7696.21
March 11 th 2014	1225.8	2859	\$7199.68
April 10 th 2014	1204.6	2859	\$7199.68
May 12 th 2014	1293.1	2859	\$7944.47
June 11 th 2014	1553.4	2859	\$7447.95
July 11 th 2014	1515.6	2859	\$7447.95
August 11 th 2014	1164.6	2859	\$7696.20
September 9 th 2014	1503	2859	\$7199.68
October 9 th 2014	1458	2859	\$7447.95
November 6 th 2014	1402.9	2859	\$6951.42
December 10 th 2014	1320.8	2859	\$8441.01
January 11 th 2015	924.5	2859	\$7944.47
February 10 th 2015	954.5	2859	\$7447.95
March 12 th 2015	933.5	2859	\$7447.95
April 13 th 2015	1159.9	2859	\$7944.47
May 12 th 2015	1374.1	2859	\$7199.68
June 11 th 2015	1427.0	2859	\$7447.95
July 13 th 2015	1382.0	2859	\$7944.49
August 11 th 2015	1203.8	2859	\$7199.68
September 10 th 2015	1382.0	2859	\$7447.95
October 9 th 2015	1446.1	2859	\$7199.68
November 8 th 2015	1393.2	2859	\$7447.95
December 10 th 2015	1351.8	2859	\$7944.47
January 11 th 2016	947.2	2859	\$7944.47
February 10 th 2016	883.1	2859	\$7447.95
March 10 th 2016	886.3	2859	\$7199.68
April 12 th 2016	1278.4	2859	\$8192.74
May 11 th 2016	1329.5	2859	\$7199.68
June 10 th 2016	1358.3	2859	\$7447.95
July 12 th 2016	1360.8	2859	\$7944.47
August 10 th 2016	1219.7	2859	\$7199.68
September 8 th 2016	1415.9	2859	\$7199.68
October 10 th 2016	1421.6	2859	\$7944.47
November 7 th 2016	1388.9	2859	\$6951.42
December 9 th 2016	1349.3	2859	\$7944.47