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CITY OF DANBURY

155 DEER HILL AVENUE

DANBURY, CONNECTICUT 06810

DAVID W. ST. HILAIRE
DIRECTOR OF FINANCE

(203) 797-4652
FAX: (203) 796-1526

MEMORANDUM

TO: Mayor Mark D. Boughton via the City Council

FROM: David W. St. Hilaire, Director of Finance *DWS*

DATE: April 30, 2012

CERTIFICATION

SUBJECT: Certification of Funds – Board of Education Technology Reserve Fund

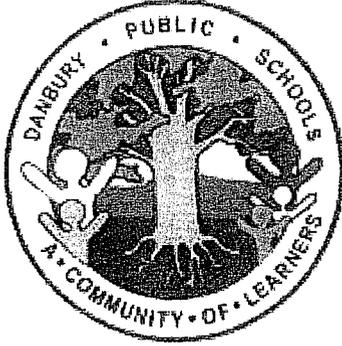
As per the attached request from Joseph Martino, Director of Finance for Danbury Public Schools, I hereby certify the availability of \$357,000 within account, SCPF 470.7000 "School Technology Improvements" established in fiscal year 11/12. Such purchase is within the parameters and guidelines established at the June 2012 City Council meeting Re: Establishing BOE Reserve Accounts (see attached).

Should you have any questions, please call me at 797-4652.

/jgb

Attach.

Cc: Joseph Martino, Board of Education



DANBURY PUBLIC SCHOOLS

Administrative Center
63 Beaver Brook Road
Danbury, Connecticut 06810-6211

April 23, 2013
To: City Council
From: Joseph Martino, Director of Finance
Re: Technology Reserve Fund

Last year, in partnership with the City of Danbury, we identified funds eligible for the Board of Education to set in reserve for large technology related projects. The Board of Education is requesting that \$350,000 of the 2011-12 reserve funds be drawn down for our network and server upgrade project. This upgrade will allow us to support our users with reliable hardware and allow for future growth.

Current State of Technology

The current state of technology is in much need of improvement district wide. The majority of our computers were purchased in 2004 and many are prone to hardware and software malfunctions. This decreases student and teacher willingness to integrate technology into the classroom and makes supporting our aging computer base more labor demanding. As an example, some websites are not accessible for instruction because of older and out dated web browsers. We will find ourselves falling farther behind this as we begin to implement online testing at all levels

Our network environment is built on 3com hardware which was acquired by HP in 2009. HP ended the 3com networking products and gave 5 years for support ending 2015. This makes our current environment harder to support and at times unstable. As an example, we currently have some parts of our core network that are not able to handle our increased traffic growth. We need to design a network that will allow for increased demand as students increase their use of technology.

One of the larger investments we have made is in our wireless networking environment at Danbury High School, Broadview, and Rogers Park. This has increased our wireless coverage and at the high school allows students to bring their own computers into school. This model commonly called bring your own device (BYOD) allows students to use devices from home that they can connect to our network. We have on any given day over five hundred students accessing our public wireless network which gives students better access to technology.

Use of funds

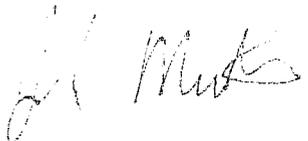
The planned project will begin to replace our core network at Danbury High School and Beaver Brook Administrative Center and upgrade our current Citrix environment. We will be upgrading to a Cisco based network environment giving us a solid network backbone and a model for the future. In building this network we must plan for hardware that can be easily supported, handle future upgrades such as a network based phone system using voice over Internet Protocol (VOIP), and increasing security measures that will require a robust network. This project follows our state approved technology plan for 2013-2016.

Our Citrix environment which allows users to connect to a server using a thin client computer will also be upgraded. This environment allows programs to be installed on a single

server making support very efficient. The system which was purchased in 2006 is one of our most critical environments with over 600 users connected to it at any point of the school day.

The design of this system also takes into account the need for redundancy in both the Citrix environment and network environment. Using the same infrastructure components as the City of Danbury allows for easy adoption of a Disaster Recovery Solution.

We know this is only the beginning steps in our technology investment but in working with the City of Danbury we will provide an environment that will help prepare all of our students for tomorrow.



Joseph Martino
Director of Finance
Danbury Public Schools
63 Beaver Brook Road
Danbury, CT 06810
(203) 797-4703

CC: Mayor Boughton
Dr. Sal Pascarella
Board of Education

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PROPOSED SOLUTION FOR DANBURY PUBLIC SCHOOLS

Qty	Description	Unit Price	Extended Price
1	CISCO INFRASTRUCTURE SOLUTION WITH 3-YEARS MAINTENANCE	\$186,281.47	\$186,281.47
1	CISCO UNIFIED COMPUTE SOLUTION WITH 3-YEARS MAINTENANCE	\$50,033.48	\$50,033.48
1	EMC VNXe STORAGE SOLUTION WITH 3-YEARS MAINTENANCE	\$22,928.40	\$22,928.40
1	EMC DATA DOMAIN BACK-UP SOLUTION WITH 3-YEARS MAINTENANCE	\$15,458.00	\$15,458.00
1	EMC NETWORKER UNIFIED BACK-UP AND RECOVERY SOFTWARE WITH 3-YEARS MAINTENANCE	\$17,578.00	\$17,578.00
1	INSTALLATION & CONFIGURATION	\$40,778.00	\$40,778.00
1	PCS CRITICAL CARE FOR 1 YEAR	\$15,995.00	\$15,995.00
Total for Proposed Solution			\$349,052.35

Shipping and Taxes are not included



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FRANK L. GENTILE
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Manager of Information Technology
www.danbury-ct.gov

(203) 797-4628 FAX
f.gentile@danbury-ct.gov

To: David St. Hilaire - Director of Finance
DATE: 4/29/2013

Subject: DPS Network Infrastructure Upgrade

I have discussed the attached technology proposal with Joe Martino, Director of Finance Danbury BoE and Yengivina Skylar, Infrastructure Manager Danbury BoE. We agree that its intent is to provide a platform that will synergize the City's and School District's computer infrastructure to provide opportunities to collaborate and reduce cost while providing badly needed upgrades to the school districts computer network infrastructure.

Some areas of collaboration include colocation of IT infrastructure for disaster recovery, standardization on thin client architecture computers, and to permit future centralized hosting of IT applications and services.

This proposal is provided by Precision Computing Systems (PCS) who has recently completed a similar project for the City of Danbury's computer network.

This proposal will cost \$365,758.16, includes full on-site warranty coverage for 3 years, and will allow the school district to replace their end of life server and network equipment. This project will increase overall service capacity for their computer network infrastructure and allow the development of a more robust technology infrastructure that will meet existing and future needs.

The core areas addressed in this proposal include:

- Computer network infrastructure needs at Danbury High School and Beaver Brook.
- Additional capacity and system upgrades for the district-wide thin client computing infrastructure.
- Development of a solid disaster recovery solution for both the School District and the City. This will be accomplished by enabling the school district with the same computer infrastructure hardware configuration as the city and the functionality to recover to each other if needed.

The upgrade will also provide a foundation that can be built upon later to provide additional functionality. This can include: Centralized voice over data telephone system, bandwidth to enable video teleconferencing/distance learning systems, and better performance for educational streaming video content delivery.



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DAVID W. ST. HILAIRE
DIRECTOR OF FINANCE

(203) 797-4652
FAX: (203) 796-1526

MEMORANDUM

TO: Mayor Mark D. Boughton via the City Council

FROM: David W. St. Hilaire, Director of Finance *DW*

DATE: May 29, 2012

SUBJECT: Establishing BOE (Balance Sheet) Reserve Accounts

Pursuant to the FY 2012-2013 Budget process and discussions relating to the Board of Education, the following balance sheet accounts will need to be established to ensure the BOE has the necessary funding as intended and that a reserve in addition to providing a certain amount of budgetary flexibility in planning for future capital investments:

BOE Supplementary Budget Allocation

Please authorize the reclassification of funds pursuant to the FY 2012-2013 Budget discussions which recommended that the Board of Education funding be supplemented with \$300,000 from the accumulated Continuing Education funds (currently residing in assigned general fund balance) in addition to the Adopted FY 12-13 budgetary allocation of \$900,000. The new classification of the \$300,000 will be a balance sheet account and assigned as "BOE Supplementary Budget Allocation." Such funds will be made available to the BOE in a similar manner as BOE annual appropriation.

BOE Capital Reserve Account

As required by CGS Sec. 10-248, the BOE must return any unspent funds back to the City at the end of the fiscal year. Such unspent funds have been averaging about \$250,000 annually for the past several years. I would recommend that a separately designated reserve account (BOE Capital Reserve Account) within the General Fund be established to account for such surplus under the following conditions:

1. The Fiscal Year for the City's total (general fund including the BOE) annual operations results in a surplus
2. The Purposes of such funds shall be for a Technology Capital Improvement Program at the BOE and for cooperative projects between the BOE and the City such as inter-

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Mayor Mark D. Boughton via the City Council
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3. agency (BOE/City) operational efficiency projects which result in lower operational costs for both the City and the BOE.
4. The City shall retain and maintain the funds and the balance sheet account.
5. Expenditures from the reserve account would require prior City Council approval.

Please authorize the establishment of both of these Balance Sheet Reserve Accounts relating to the BOE. Thank you for your consideration in this matter. Please feel free to contact me should you have any questions.

/jgb