

Technology Board Report

Cloud Migration

Continued our efforts to prepare our Office 365 tenant to assume our various file services, wiki spaces, classroom platforms and our emails. The process is complex when you have as many on premise services as we do; and the roll out plan requires some balance given our interdependencies.

Print Systems

We have entered into contract with ComDoc a Xerox Solutions provider for a managed print service which will outfit every classroom with a multi-function scanner and printer. The in-classroom scanning need has increased exponentially with our efforts to grow and support both our collection of student portfolio elements digitally as well as complimenting the efforts of our participating districts for their artifact collection requirements. The machines will be implemented over the next few months; and full functionality is planned for next school year. With the ComDoc managed print contract, we have enveloped all of our copiers as well and will be replacing all of our copiers. Most are beyond their initial capital planned replacement expectancy, and the capital budget plan is there to support this. This entire project has planned organizational savings in consumables, service, and local labor to maintain them.

PA Advancing Grant

Discuss the PA Advancing Grant application initiated by the Fairview School District with the Administration. The Grant Application proposes adopting Virtual Reality in the classroom to support instructional outcomes. Additionally, Fairview has developed a plan for a local Virtual World that each participating entity could develop and publish content within. We identified conceptually how ECTS could benefit from participating in the grant both instructionally and organizationally reaching graduate, current, prospective and curious students through the virtual world.

Upon agreeing to support the application administratively, we assembled key faculty to champion adopting the technology and concepts. Mariea Sargent, Drafting and Design, Michael Miller, Computer Networking, Jason Klins, Computer Programming, Joe Salorino, Graphic Arts, and Danielle Wilber, Art and Design, Lisa Sorensen, Admissions embraced the grant concept, and supported the decision to move forward. We therefore submitted our letter of participation the Fairview School District.

Digital Media

With the adoption of our classroom tablets and TV's in many cases we no longer have the functionality to play DVD in some classrooms. Rather than making the supportive hardware investment, we have been encoding many of these DVD's to digital files, and loading them into our Office365 Stream server designed for this content from an array of devices. In the long run this supports our goals of a fully populated learning platform in Office 365.



Recommendation Prepared Exclusively For:

Erie County Technical School

Date: December 13, 2019

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A Xerox Company

Summary of Current Situation:

- Student classroom setting with multiple users
- Instructional classes to prepare students for college in multimedia and design, and/or immediate employment into the workforce
- Limited workflow in place for students to submit files to be digitally printed on the production floor
- Only (1) digital production solution in place today (Ricoh 6501) – With only (1) device this creates bottlenecks at the device, and over usage on machine trays
- ECTS is always looking for state of the art learning curriculums to better position the students for future endeavors
- EFI Fiery workflow in place today

Summary of Current ECTS Fleet:

Print Shop – (1) Ricoh 6501 w/High Capacity Feeder

Administration – (1) Konica Minolta C452 w/3 hole punch & 2 Staple Finishing

High School – (1) Ricoh 8002 Booklet Maker Finishing

CAER-SC – (1) Ricoh 3003 no finisher or 1 staple, 3 hole punch

ECTS 18 Programs/6 Offices – Mix of Dell 3110 & Dell 3845

Items for Consideration with a New Solution

- Xerox FreeFlow Core Software
 - Implementing this software as a new curriculum for the students
 - This will create a much improved workflow for students, enabling them to submit files to be printed with ease.
 - The students will have the ability to create hot folders, job routing to a device of choice and more
- Our recommendation would be (2) digital color devices (1 Production Unit, 1 for redundancy) for the ECTS Print Shop for an improved student experience, limiting those bottleneck inefficiencies at the devices, and giving more time back to the students
- Continue utilizing EFI Fiery workflow and command workstation tools, keeping the students on the cutting edge of file preparation.
- Enterprise wide school solution upgrading all printing devices to new Xerox technology

CPO Xerox C60 – Print Shop Digital Production Unit - \$20,000.00 ea.

Configuration for This Proposal

- 65 pages per minute **Black**
- 60 pages per minute **Color**
- Integrated EFI Fiery Print Server with Command Workstation
- Automatic Duplexing up to 94lb cover
- Simplex up to 110lb cover
- 13x19.2 maximum sheet size
- Paper Tray Configuration: 5 Total Trays
 - (2) Tray High Capacity Paper Feeder (up to 4,000 sheets 13x19.2)
 - (2) standard catch trays (up to 500 sheets ea up to 13x19.2)
 - (2) Tandem trays that hold up to 870 sheets & 1,140 sheets (8.5x11 only)
- Copy, Print, Scan, Fax



New Xerox C8000 – Print Shop Redundancy - \$3,800.00 ea.

Xerox Quick Facts

- **Standard:** Print
- Up to 45ppm Print output
- Custom paper sizes: 3.5 x 3.9 in. to 12.6 x 18 in.
- Print resolution: up to 1,200 x 2,400 dpi
- PCL 5e, PCL6, Adobe PostScript 3

MULTIPLE PAPER TRAY OPTIONS TO FIT EVERY NEED

6 Optional Envelope Kit (replaces Tray 1) provides trouble-free feeding of up to 50 envelopes.

7 Tandem Tray Module adds up to 2,000 sheets; 8.5 x 11 in./A4, B5 (64 to 300 gsm).

8 Two Tray Module adds up to 1,040 sheets with custom sizes of 3.9 x 5.8 in. to 12.6 x 18 in./ 100 x 148 mm to 320 x 457.2 mm (64 to 300 gsm).

9 High Capacity Feeder adds up to 2,000 sheets with standard sizes of 8.5 x 11 in., 7.25 x 10.5 in./ A4, B5 (64 to 216 gsm).



Xerox® VersaLink® C8000 and C9000
Default Configuration

Configuration for This Proposal

- 45 pages per minute **Black & Color**
- 1,200 x 2,400 DPI
- Paper Tandem Tray Configuration:
 - Tray 1: 520 sheets; supports 5.5x7 to 11.7x17
 - Tray 2: 520 sheets; supports 5.5x7 to 12.6x18
 - Tandem Trays; up to 2,000 sheets 8.5x11
- Tablet like color touch screen user interface



CPO Xerox C60 – High School Copier - \$14,900.00 ea.

Configuration for This Proposal

- 65 pages per minute **Black**
- 60 pages per minute **Color**
- Automatic Duplexing up to 94lb cover
- Simplex up to 110lb cover
- 13x19.2 maximum sheet size
- Paper Tray Configuration: 5 Total Trays
 - (2) Tray High Capacity Paper Feeder (up to 4,000 sheets 13x19.2)
 - (2) standard catch trays (up to 500 sheets ea up to 13x19.2)
 - (2) Tandem trays that hold up to 870 sheets & 1,140 sheets (8.5x11 only)
- Copy, Print, Scan, Fax
- Business ready booklet finisher w/C/Z Fold



ComDoc Equipment Recommendation: Enterprise Wide School Solution

New Xerox AltaLink C8035 – Administration - \$6,900.00 ea.

Xerox Quick Facts

- **Standard:** Copy, Print, Scan, Fax, Email
- Up to 45ppm Print output
- Custom paper sizes: 5.5 x 8.5 in. to 11 x 17 in.
- Print resolution: up to 1,200 x 2,400 dpi
- PCL 5e, PCL6, Adobe PostScript 3

Competitive Edge

- **Scan paper into digital files** - On-board scanning solutions come standard, and require no extra software or middleware: Single Touch Scan, Optical Character Recognition with searchable PDF creation, Print from and scan to USB device, and Scan to Email, Mailbox, and Network. New Xerox ConnectKey Devices also come Standard with Optical Character Recognition, as well as easy translate features to further simplify day-to-day operations.
- **Customize your workflows** - Built on the Xerox EIP platform, Xerox Workflow Solutions let you install productivity-enhancing software directly on the device for fast, easy access via the color touch screen interface.
- **Mobile and Cloud Ready**—The AltaLink C8045 comes standard with Apple AirPrint, Google Cloud Print, Xerox Print Service, and Mopria Print Service Plugins for Android, to allow your office to print on the go.
- **Remote Control Panel** - Remotely and securely operate the AltaLink C8045 control panel from any office PC as though you were standing at the device. The Remote Control Panel makes it easier and more convenient to troubleshoot and to train users, and for IT staff to remotely view and monitor the user interface. And during a remote session, walk-up users are notified at the device to prevent simultaneous system changes. Plus, advanced print drivers and free device management tools let you remotely monitor real-time performance and available resources for greater uptime.
- **Consistent user experience** - The AltaLink C8045 features the same Xerox ConnectKey Controller as our other latest-generation tabloid-size multifunction printers, making users more comfortable operating the devices because of their common look and feel.

Configuration for This Proposal

- 45 pages per minute **Black & Color**
- 1,200 x 2,400 DPI
- 16 lb. bond to 95lb. cover 60 to 216 gsm Paper Stock
- Automatic Duplexing
- Paper Tray Configuration: 5 Total Trays
 - Tray 1: 520 sheets; supports 5.5x7 to 11x17
 - Tray 2: 520 sheets; supports 5.5x7 to 11x17
 - Tray 3: 870 sheets supports 8.5x11
 - Tray 4: 1,130 sheets supports 8.5x11
 - Tray 5: 100 sheet bypass tray
- Single-Pass Duplex Automatic Document Feeder
- Tablet like color touch screen user interface
- Office Finisher with Stapling & Hole Punch
- Network Printing, full color scanning



ComDoc Equipment Recommendation: Enterprise Wide School Solution

New Xerox VersaLink C405 – CAEP-SC - \$1,130.00 ea.

Xerox Quick Facts

- **Standard:** Copy, Print, Scan, Fax, Email
- Up to 36 ppm Print output
- Custom paper sizes: 5.5 x 5.5 in. to 8.5 x 14 in.
- Print resolution: up to 1200 x 1200 dpi
- Standard paper capacity: 550 sheets
- Single Pass Document Feeder (Up to 200IPM)

Competitive Edge

- **Scan paper into digital files** - Onboard scanning solutions come standard, and require no extra software or middleware: Single Touch Scan, On-box Optical Character Recognition with searchable PDF creation, Print from and scan to USB device, and Scan to Email, Mailbox, and Network. New Xerox ConnectKey Devices also come Standard with Optical Character Recognition, as well as easy translate features to further simplify day-to-day operations.
- **Customize your workflows** - Built on the Xerox EIP platform, Xerox Workflow Solutions let you install productivity-enhancing software directly on the device for fast, easy access via the color touch screen interface.
- **Mobile and Cloud Ready**—The VersaLink C405 comes standard with Apple AirPrint, Google Cloud Print, Xerox Print Service, and Mopria Print Service Plug-ins for Android, to allow your office to print on the go.
- **Remote Control Panel** - Remotely and securely operate the VersaLink C405 control panel from any office PC as though you were standing at the device. The Remote Control Panel makes it easier and more convenient to troubleshoot and to train users, and for IT staff to remotely view and monitor the user interface. And during a remote session, walk-up users are notified at the device to prevent simultaneous system changes. Plus, advanced print drivers and free device management tools let you remotely monitor real-time performance and available resources for greater uptime.
- **Consistent user experience** - The VersaLink C405 features the same Xerox ConnectKey Controller as our other latest-generation tabloid-size multifunction printers, making users more comfortable operating the devices because of their common look and feel.

Configuration for This Proposal

- 36 pages per minute **Black&White/Color**
- 1,200 x 1,200 DPI
- 60 to 125 gsm Paper Stock
- Automatic Duplexing
- Single Pass Document Feeder
- Scan Speed 58 ipm
- 150 Sheet Bypass Tray
- Standard Collating
- Network Printing
- Extra Paper Tray with Stand



ComDoc Equipment Recommendation: Er

olution

New Xerox VersaLink C405 – Programs/Offices: \$980.00 ea.

Xerox Quick Facts

- **Standard:** Copy, Print, Scan, Fax, Email
- Up to 36 ppm Print output
- Custom paper sizes: 5.5 x 5.5 in. to 8.5 x 14 in.
- Print resolution: up to 1200 x 1200 dpi
- Standard paper capacity: 550 sheets
- Single Pass Document Feeder (Up to 200IPM)

Competitive Edge

- **Scan paper into digital files** - Onboard scanning solutions come standard, and require no extra software or middleware: Single Touch Scan, On-box Optical Character Recognition with searchable PDF creation, Print from and scan to USB device, and Scan to Email, Mailbox, and Network. New Xerox ConnectKey Devices also come Standard with Optical Character Recognition, as well as easy translate features to further simplify day-to-day operations.
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- Standard Collating
- Network Printing



Xerox FreeFlow Core Software - \$11,250.00 ea.

Xerox® FreeFlow® Core On-Premise

Xerox® FreeFlow Core has an on-premise solution configuration designed to serve as the backbone of all our Xerox® production workflow solutions. On-premise means you run the software on your computer server, and have total control over configuration and integration with your current workflow systems and printers. FreeFlow Core on-premise is best suited for customers looking for advanced automation, wider integration and access to extended automation solutions from Xerox.

You choose the options that are right for you...

Xerox® FreeFlow Core—A total solution for entry-level automated print production, including JDF/JMF connectivity to external systems. It lets you build workflows for conversion, preflight, image enhancement, imposition and print job submissions.

FreeFlow Advanced Prepress module—Provides powerful tools for PDF optimization, color management, document manipulation and annotation. This module helps you speed through a wide range of file optimization actions, including adding barcodes, pressmarks, text and images to documents.

FreeFlow Advanced Automation module—Automates your entire production process by transforming manual steps in your workflow into programmed actions, with services that automate job processing decisions. Enables the use of any Hot Folder or CLI application within an automated workflow.

FreeFlow Output Management module—Adds the ability to implement even smarter decision making regarding when and where your jobs will be printed. Also enables automated aggregation and ganging for increased print and post-print productivity.

FreeFlow Variable Data module—This module enables FreeFlow Core to accept Xerox® Variable Information Production PrintWare (VIPP®) jobs and PDF/VT jobs. The FreeFlow VI Suite uses VIPP technology to deliver benchmark productivity in personalized communication workflows; PDF/VT is an emerging variable data standard and FreeFlow Core has full PDF/VT record processing support.

STREAMLINE YOUR PRINT PROCESS TO REDUCE YOUR COSTS

Now you can automate your print tasks with a solution that makes your entire operation more productive, day in and day out. FreeFlow Core keeps each job moving to make your organization super efficient, so you spend less time processing jobs in-house and have more time to build new business.

SEAMLESS INTEGRATION WITH YOUR CURRENT—EVEN HYBRID—WORKFLOWS AND NON-XEROX PRINTERS

FreeFlow Core easily integrates with your current workflow and work processes. It is a PDF-based tool, so jobs can easily be routed to any printer or any destination. Regardless of how you are getting your work done today, FreeFlow Core can step right in and quickly make your shop run more efficiently and more productively.

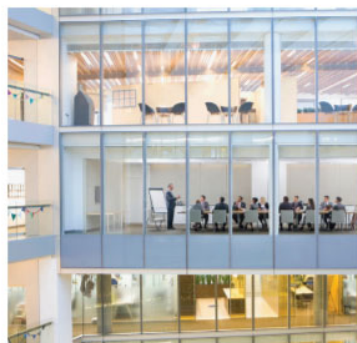
A SIMPLE SET-UP-AND-GO SOLUTION THAT'S EASY TO USE

FreeFlow Core is browser-based and includes EasyStart workflows to help users through the process of creating and managing workflows. It hides the complexity of individual operations and workflow programming while it provides an intuitive graphical user interface. The simple drag-and-drop interface means you don't need a software engineering degree to create workflows. Now anyone can easily manage jobs and get them done in a fraction of the time.

YOU CHOOSE HOW THE SOFTWARE IS DEPLOYED

FreeFlow Core has an on-premise solution configuration. You install, configure and run the software from your own computer server.

Or let Xerox host the software for you with our FreeFlow Core cloud configurations. We set up, host and manage the software for you. You just log in and start automating.



AFFORDABLE FOR ANY SIZE OPERATION

Automation is no longer just for big guys. Whether your organization is 3 or 300 people, FreeFlow Core offers a highly productive workflow solution. Multiple product configurations and attractive price points mean even small- to medium-sized organizations now have automation within reach. And no matter how many print engines you have, there is never an additional charge.

ComDoc Financial Agreement: Enterprise Wide School Solution

Xerox C60 CPO (Print Shop)	Included
Xerox AltaLink C8045 (Print Shop Redundancy)	Included
Xerox FreeFlow Core (Software Solution)	Included
Xerox C60 CPO (ECTS High School)	Included
Xerox AltaLink C8035 (Administration).....	Included
Xerox VersaLink C405 w/Stand (CAEP-SC)	Included
Xerox VersaLink C405 (Programs/Offices)	Included
Delivery, set-up & user training	Included
Network Implementation	Included
All Service, Parts & Labor	Included
All inclusive Supplies (excluding paper and staples).....	Included

ComDoc Monthly Service Base \$00.00/Mo.

Usage Summary

Usage Rate per B&W Impression.....	\$0.009
Usage Rate per Color Impression	\$0.05
Usage Rate per Color Impression (Xerox C405 ONLY).....	\$0.065

Considerations/Benefits for This Proposal

- All pricing is PEPPM/ COSTARS
- ComDoc's Customer Care Center team is available and ready to help over the phone and online. Comprised of ComDoc's document and device experts, our Customer Care Center team is ready to answer any questions or problems you might have
- ComDoc Erie/Buffalo has 28 local certified technicians to assist with any repairs or technical concerns that cannot be resolved over the phone. Local Service to Cleveland and State College.
- ComDoc service standards hold an average 4-hour response time – from a service call being placed to a service technician on-site to resolve any issues
- Includes delivery, training, set-up and network implementation
- One point of accountability for maintenance, service, supplies



GEMCITY™
VR EDUCATION



Curriculum Integration







What do districts receive?

- Professional Development - Teacher Training and Setup
- ClassVR Headsets
- ClassVR Curriculum Experiences
- Oculus Quest VR Headsets - for Creative Apps
- Teacher Stipends for Professional Development (After School Programs)
- Community Based Display Portal

