Smart Schools Investment Plan - 2016-17 Version (Original) - Saugerties CSD #1

SSIP Overview

Page Last Modified: 11/29/2018

Institution ID

800000036121

1. Please enter the name of the person to contact regarding this submission.

Lawrence Mautone

1a. Please enter their phone number for follow up questions.

845.247.6503

1b. Please enter their e-mail address for follow up contact.

lmautone@saugerties.k12.ny.us

2. Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of an approved Smart Schools Investment Plan.

First submission

3. All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations. Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.
By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.

☑ District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.
By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☑ Parents
☑ Teachers
☑ Students
☑ Community members

4a. If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?

☑ Yes
☐ No
☐ N/A

Page Last Modified: 11/29/2018

5. Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.

- ☑ The district developed and the school board approved a preliminary Smart Schools Investment Plan.
- ☑ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
- ☑ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occured as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
- ☑ The district prepared a final plan for school board approval and such plan has been approved by the school board.
- ☑ The final proposed plan that has been submitted has been posted on the district's website.

5a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.

PLAN OVERVIEW Nov 8, 2016.docx
SMARTSCHOOLS BOND ACT SSIP 1.pdf

5b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

http://www.saugerties.k12.ny.us/Page/9927

6. Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.

2,300

7. An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.

- ☐ The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

8. Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.

Partner LEA/District	SED BEDS Code
(No Response)	(No Response)

9. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.

(No Response)

10. Your district's Smart Schools Bond Act Allocation is:

$1,966,367

11. Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is $0, you will not be required to complete that survey question.

	Sub-Allocations
School Connectivity	327,861

Page Last Modified: 11/29/2018

	Sub-Allocations
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	693,199
Totals:	**1,021,060**

Page Last Modified: 11/29/2018

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:

- **sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or**
- **is a planned use of a portion of Smart Schools Bond Act funds, or**
- **is under development through another funding source.**

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and

2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

We are currently at 265 MBs.

1a. If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.

☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	2,550	255,000	255	265	265	Currently Met

3. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.

By upgrading our Network switches and backbone/infrastructure in all buildings/locations will be up to a minimum of 10 gigabytes in each of our buildings. There will be a 200 megabyte interconnect between buildings. After our wired Network is installed Wifi will be installed in each of our buildings.

Each classroom will have their own access point as well as our common areas such as: cafeteria, gymnasium, auditorium, main offices, and media centers. The switches we will be using are Cisco catylist switches and there will be multiple switches per building.

Page Last Modified: 11/29/2018

4. Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?)

Students in grades K-6 have a minimum of one computer lab session scheduled every six day cycle. In these grade levels the teachers will be introducing and preparing students to use various types of technology that will be integrated in their current as well as future classes. In addition to their computer lab time, teachers have access to wireless device carts that can be brought into the classroom.

Students in grade 7 -12 have technology integrated into their curriculum through projects and assignments. Teachers have the ability to use the school computer labs and also bring in wireless device carts into the classroom.

The Saugerties Central School District will adapt the “Common Core State Standards K-12: Technology Skills Scope and Sequence”. This scope and sequence was created by the Long Beach Unified School District in California and is aligned to the Common Core State Standards requirements for Mathematics and English Language Arts & Literacy in Social Studies and Science. This scope and sequence incorporates strategies that will ensure the integration of technology into the K-12 curriculum in a specified period of time. Strategies include the integration and implementation through specialized course work aligned with Common Core Standards including distance learning. As you will see the scope and sequence (attached) sets understandings and skills to be achieved by students at different grade levels.

The timeline for implementing this is as follows:

- K-6 understandings and skills to be integrated in 2018-2020
- 7-8 understandings and skills to be integrated in 2018-2020
- 9-12 understandings and skills to be integrated in 2018-2020

The District is also continuing to purchase resources that are available to students, parents, and staff electronically. When possible textbooks and resources are purchased for online use.

The District is encouraging teachers that are using blended learning and flipped classrooms. The District is also using online credit recovery classes for some students.

With the increased integration of technology it is important that the District provide opportunities and times for students to be able to work with technology.

The purchases in School Connectivity will allow us to purchase and connect more wireless devices. This will help our teachers of students with Disabilities, 504 plans, and our ELL students significantly. They will be able to pull students out of the classroom for small instruction and be able to have access to the same technology that regular education students have in the classrooms.
It will also allow students to use district devices in our common areas when libraries, computer labs, etc. are being used by classes. This will enable them to complete homework and other assignments during their study halls and free periods, which will be a big help for those students without technology at home.
Teachers will be able to always have access to district devices and our district network to maximize their prep periods and duties. They will now be able to work while on duties or supervising in locations that were not hard wired in the past.

5. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.

Please describe how you have quantified this demand and how you plan to meet this demand.

Our plan is to install 139 access points between three school buildings. This along with a one gigabyte up-link from each access point to the Network will be sufficient for all student and staff use now and into the future.

Page Last Modified: 11/29/2018

6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.
Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
62-16-01-06-7-999-BA1

7. Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.

Was your project deemed eligible for streamlined review?

Yes

7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☑ I certify that I have reviewed all installations with a licensed architect or engineer of record.

8. Include the name and license number of the architect or engineer of record.

Name	License Number
John Jojo	25849

9. If you are submitting an allocation for School Connectivity complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	216,014
Outside Plant Costs	0
School Internal Connections and Components	78,972
Professional Services	32,875
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	**327,861**

10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through smartschools@nysed.gov.
NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.

Page Last Modified: 11/29/2018

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	Cable for Ethernet, Straight Cat 6 RJ-45, 1 foot - Purple (Phone-Closet)	372	3	1,116
Connections/Components	Cable for Ethernet, Straight Cat 6 RJ-45, 3 foot - Purple (Phone-Closet)	150	3	450
Connections/Components	Cable for Ethernet, Straight Cat 6 RJ-45, 25 foot - Black (Phone)	150	5	750
Connections/Components	Cable for Ethernet, Straight Cat 6 RJ-45, 2 foot - Purple (Phone-Closet)	150	3	450
Connections/Components	Cable for Ethernet, Straight Cat 6 RJ-45, 5 foot - Purple (Phone-Closet)	150	3	450
Connections/Components	PBT/Polycarbonate NEMA 4 enclosure for WAP, with hinged, solid door	7	125	875
Connections/Components	PBT/Polycarbonate NEMA 4 enclosure for WAP, with hinged, solid door	4	250	1,000
Network/Access Costs	2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant., White, RP-TNC	52	20	1,040
Network/Access Costs	802.11ac W2 AP w/CA; 4x4:3; Ext Ant; 2xGbE, B Domain	13	698	9,074
Network/Access Costs	802.11ac CAP w/CleanAir; 3x4:3SS; Int Ant; B Reg Domain	6	548	3,288
Network/Access Costs	Rack PDU, Basic, 1U, 15A, 120V, (10)5-15	14	85	1,190
Network/Access Costs	APC SmartUPS/SmartUPS RT Two Post Rail Kit	24	149	3,576
Connections/Components	Catalyst 2960-X FlexStack Plus Stacking Module	15	598	8,970
Connections/Components	Catalyst 2960-X FlexStack Plus Stacking Module optional	4	598	2,392
Connections/Components	Cisco Catalyst 3850 8 x 10GE Network Module	4	3,000	12,000
Connections/Components	Fiber Optic Cable, LC/SC, Single Mode, Duplex - 5 meter (9/125 Type)	36	38	1,368
Connections/Components	Cisco FlexStack 50cm stacking cable	2	38	76
Connections/Components	Cisco FlexStack 1m stacking cable	2	50	100
Connections/Components	Cisco FlexStack 3m stacking cable	3	100	300
Connections/Components	Cisco FlexStack 3m stacking cable	1	150	150

Page Last Modified: 11/29/2018

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	SWSS UPGRADES Cisco Ent MGMT PI 3.x Platform Base Lic(Cisco Prime Infrastructure)	1	15	15
Connections/Components	SWSS UPGRADES Prime Infrastructure(Cisco Prime Infrastructure)	1	4	4
Connections/Components	SW APP SUPP + UPGR Cisco Identity Services Engine Virtual Machine(Cisco Prime Infrastructure)	2	958	1,916
Network/Access Costs	Cisco Ent MGMT: PI 3.x Platform Base Lic(Cisco Prime Infrastructure)	1	48	48
Network/Access Costs	MSE Virtual Appliance Lic (Cisco Prime Infrastructure)	1	2,498	2,498
Connections/Components	Environmental: Rack mounting battery backups for network stacks	1	4,113	4,113
Connections/Components	Routing & Switching: Mounting switches and loading configurations, building out vlans. Providing internet connectivity through catalyst switching	1	9,233	9,233
Connections/Components	Wireless: Installing and configuring wireless access point to provide wireless access in classrooms and on campus	1	1,883	1,883
Connections/Components	Authentication / Network Management: Configuring wireless management system for users and guests	1	12,933	12,933
Professional Services	Project Completion: Project organization and management during planning, implication and completion of project	1	32,875	32,875
Network/Access Costs	Prime Infrastructure 3.0 Software(Cisco Prime Infrastructure)	1	13	13
Connections/Components	10GBASE-LRM SFP Module	36	498	17,928
Connections/Components	10GBASE-CU SFP+ Cable 1 Meter	2	50	100
Connections/Components	10GBASE-CU SFP+ Cable 3 Meter	2	50	100
Connections/Components	10GBASE-CU SFP+ Cable 5 Meter	4	75	300
Network/Access Costs	Four-Port Voice Interface Card - FXS and DID	1	440	440
Network/Access Costs	Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	15	3,998	59,970

Page Last Modified: 11/29/2018

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	APC Smart-UPS X 2000VA Rack/Tower LCD 100-127V with Network Card	6	1,505	9,030
Network/Access Costs	APC Smart-UPS X 3000VA Rack/Tower LCD 100-127V with Network Card	8	1,778	14,224
Network/Access Costs	APC Smart-UPS X 120V External Battery Pack Rack/Tower	14	753	10,542
Network/Access Costs	Service Pack - 3 Year Warranty Extension (for new product purchases)(for aboce UPS)	9	183	1,647
Network/Access Costs	Service Pack - 3 Year Warranty Extension (for new product purchases)(for aboce UPS)	9	349	3,141
Network/Access Costs	Cisco ONE Foundation Perpetual - Wireless(Cisco ONE Licensing)	230	175	40,250
Network/Access Costs	SWSS UPGRADES C1 Foundation Perpetual - Wireless(Cisco ONE Licensing)	230	42	9,660
Network/Access Costs	Cisco Catalyst 3850 48 Port (12 mGig+36 Gig) UPoE IP Base	4	7,650	30,600
Network/Access Costs	SNTC-8X5X4 Cisco Catalyst 3850 48 Port (support for Cisco 3850 switches)	4	1,118	4,472
Network/Access Costs	VSphere Standard for 1 CPU; ANNUAL List 1-YR Reqd	2	336	672
Network/Access Costs	VMware vSphere 6 Standard (1 CPU), 1-yr, Support Required	2	912	1,824
Network/Access Costs	Cisco Identity Services Engine VM (eDelivery)	2	2,995	5,990
Network/Access Costs	Cisco ISE Device Admin License(Cisco ISE Infrastructure)	1	2,000	2,000
Network/Access Costs	Cisco ISE 3-Yr 100 Endpoint Plus License(Cisco ISE Infrastructure)	1	825	825

Page Last Modified: 08/21/2018

1. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the community.

(No Response)

2. Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.

(No Response)

3. Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).

☐ I certify that we will comply with all the necessary local building codes and regulations.

4. Please describe the physical location of the proposed investment.

(No Response)

5. Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.

Project Partners	Federal ID #
(No Response)	(No Response)

6. If you are submitting an allocation for Community Connectivity, complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**0**

7. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.
Add rows under each sub-category for additional items, as needed.

Page Last Modified: 08/21/2018

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	(No Response)	(No Response)	(No Response)	(No Response)

Page Last Modified: 11/29/2018

1. Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.

We will be installing Access Control Entry systems in two buildings. We will be installing a new VOIP system. This system Includes a Phone System and the Ability for Emergency 911 Monitoring, Public Announcements, Emergency Paging from Any Phone, Single Button Emergency Services, Call Recording, Controlling Door Access to Buildings, and Video Images of Outside of Building Doors. Will will be installing Surveillance Cameras to include monitoring inside and outside of buildings, the ability to set retention time periods, and infrared lights on outside cameras.

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.
Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
62-16-01-06-7-999-BA1

3. Was your project deemed eligible for streamlined Review?

☑ Yes
☐ No

3a. Districts with streamlined projects must certify that they have reviewed all installations with their licensed architect or engineer of record, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☑ By checking this box, you certify that the district has reviewed all installations with a licensed architect or engineer of record.

4. Include the name and license number of the architect or engineer of record.

Name	License Number
John Jojo	25849

5. If you have made an allocation for High-Tech Security Features, complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0
Electronic Security System	541,721
Entry Control System	148,127
Approved Door Hardening Project	0
Other Costs	3,351
Totals:	**693,199**

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Page Last Modified: 11/29/2018

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Entry Control System	Helios IP License, Enhanced	3.00	90	270
Entry Control System	Helios IP Force 1 Button Camera 10w Speaker	3.00	990	2,970
Electronic Security System	Indoor Surface Mount with smoked dome for CIVS-IPC-6020	100.00	25	2,500
Electronic Security System	Smoked Vandal Resistant Dome for 35xx, 6k, 7k IP Domes	20.00	38	760
Electronic Security System	Cisco Dome IP Camera, Indoor, 1080p DN, WDR IO	100.00	900	90,000
Electronic Security System	Cisco Dome IP Camera, Outdoor, 1080p DN, WDR IO	20.00	1,050	21,000
Electronic Security System	Cisco 5MP 360 Degreee Dome Camera	17.00	950	16,150
Electronic Security System	VSphere Standard for 1 CPU; ANNUAL List 1-YR Reqd	8.00	336	2,688
Entry Control System	Integration with External User Database	1.00	2,950	2,950
Entry Control System	Identiv ICPAM EM-100 Controller	10.00	900	9,000
Entry Control System	High Availability License	1.00	2,950	2,950
Entry Control System	Wall Bundle Option - Controller and Wall Mount Reader	11.00	1,100	12,100
Electronic Security System	EDelivery License for 1 camera connection with VSM7	60.00	163	9,780
Electronic Security System	EDelivery License for one Media Server on C Series	8.00	1,000	8,000
Electronic Security System	EDelivery License for one Operations Manager on C Series	2.00	6,250	12,500
Other Costs	Project Completion: Project organization and management during planning, implication and completion of project	1.00	3,351	3,351
Entry Control System	Cisco 12G SAS Modular Raid Controller	4.00	328	1,312
Entry Control System	Cisco 12Gbps SAS 2GB FBWC Cache module (Raid 0/1/5/6)	4.00	703	2,812
Entry Control System	650W V2 AC Power Supply for 2U C-Series Servers	8.00	316	2,528

High-Tech Security Features

Page Last Modified: 11/29/2018

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Entry Control System	2.60 GHz E5-2660 v3/105W 10C/25MB Cache/DDR4 2133MHz	8.00	2,073	16,584
Entry Control System	Ball Bearing Rail Kit for C220 M4 and C240 M4 rack servers	4.00	110	440
Entry Control System	6 TB 12G SAS 7.2K RPM LFF HDD (4K)	24.00	1,050	25,200
Entry Control System	8 TB 12G SAS 7.2K RPM LFF HDD (4K)	24.00	1,360	32,628
Entry Control System	32GB DDR4-2133-MHz LRDIMM/PC4-17000/quad rank/x4/1.2v	10.00	825	8,250
Entry Control System	VMware vSphere 6 Standard (1 CPU), 1-yr, Support Required	8.00	912	7,296
Electronic Security System	Cisco Physical Security: Installation of cameras and programming VSOM server	1.00	122,901	122,901
Electronic Security System	BE 6000 - User License Starter Bundle with 35 UWL Licenses	1.00	500	500
Electronic Security System	Cisco Business Edition 6000 - Basic User Connect License	220.00	63	13,860
Electronic Security System	Cisco Business Edition 6000 - Enhanced User Connect License	92.00	105	9,660
Electronic Security System	Cisco Business Edition 6000 - Essential User Connect License	14.00	20	280
Electronic Security System	Cisco Business Edition 6000-Voicemail/Unified Messaging Lic	220.00	38	8,360
Electronic Security System	Wallmount Kit for Cisco UC Phone 7800 Series	215.00	38	8,170
Electronic Security System	Wall Mount Kit for 8800 Series Phone	1.00	38	38
Electronic Security System	Cisco IP Phone Expansion Module	3.00	235	705
Electronic Security System	UCS C220 M4 SFF w/o CPU, mem, HD, PCIe, PSU, rail kit	1.00	1,683	1,683
Electronic Security System	Cisco 12G SAS Modular Raid Controller	1.00	328	328
Electronic Security System	Cisco 12Gbps SAS 512MB FBWC Cache module (Raid 0/1/5)	1.00	347	347
Electronic Security System	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	2.00	350	700
Electronic Security System	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	2.00	350	700

High-Tech Security Features

Page Last Modified: 11/29/2018

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	2.30 GHz E5-2670 v3/120W 12C/30MB Cache/DDR4 2133MHz	2.00	2,384	4,768
Electronic Security System	Ball Bearing Rail Kit for C220 M4 and C240 M4 rack servers	1.00	110	110
Electronic Security System	600GB 12G SAS 10K RPM SFF HDD	8.00	511	4,088
Electronic Security System	16GB DDR4-2133-MHz RDIMM/PC4-17000/dual rank/x4/1.2v	4.00	300	1,200
Electronic Security System	5 MP P3367-VE Camera	18.00	1,199	21,582
Electronic Security System	Pendent mount for the P3367-VE	18.00	48	864
Electronic Security System	20MP multi lens camera	16.00	1,739	27,824
Electronic Security System	Corner Mount Adaptor for 20MP cameras	16.00	54	864
Electronic Security System	Camera mounting cap	16.00	42	672
Electronic Security System	Wall Mount bracket	16.00	78	1,248
Entry Control System	Request to exit motion	9.00	116	1,044
Entry Control System	Electric Strikes	20.00	347	6,940
Entry Control System	Door Contact	51.00	6	306
Entry Control System	Equipment cans, locks, wiremold, fasteners	1.00	3,529	3,529
Electronic Security System	Lift rental and 4 moves for 2 months	1.00	3,059	3,059
Electronic Security System	2911 Voice Bundle w/PVDM3-16,FL-CME-SRST-25,UC Lic,FL-CUBE10	4.00	1,698	6,792
Electronic Security System	SNTC-8X5XNBDOS 2911 Voice Bundle w/ UC License PAK (for 2911 Gateway)	1.00	453	453
Electronic Security System	2901 Voice Bundle w/PVDM3-16,FL-CME-SRST-25,UC Lic,FL-CUBE10	1.00	2,048	2,048
Electronic Security System	SNTC-8X5XNBDOS 2901 Voice Bundle w/ UC License PAK (for 2901 Gateway)	5.00	314	1,570
Electronic Security System	SWSS UPGRADES BE6K UCM 10X Enhance(for Cisco Phones)	92.00	19	1,748
Electronic Security System	SWSS UPGRADES BE6K UCM 10X Essenti(for Cisco Phones)	14.00	4	56
Electronic Security System	SWSS UPGRADES BE6K UCM 10X Basic U(for Cisco Phones)	387.00	12	4,644
Electronic Security System	SWSS UPGRADES BE6K UCM 10X	35.00	31	1,085

Page Last Modified: 11/29/2018

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	CUWL BE(for Cisco Phones)			
Electronic Security System	SWSS UPGRADES BE6K - Unity Connect(for Cisco Phones)	365.00	7	2,555
Electronic Security System	32-channel high-density voice DSP module(for Cisco Phones)	2.00	800	1,600
Electronic Security System	Four-port Voice Interface Card - FXO (Universal)	6.00	440	2,640
Electronic Security System	Two-Port Voice Interface Card- FXS and DID	5.00	220	1,100
Electronic Security System	Four-Port Voice Interface Card - FXS and DID	1.00	440	440
Electronic Security System	1-Port 3rd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	2.00	715	1,430
Electronic Security System	Cisco Business Edition 6000M Svr (M4), Export Restricted SW	2.00	4,700	9,400
Electronic Security System	SNTC-24X7X4OS Cisco Business Edition 6000M Svr (M4), (for 6000M Servers)	2.00	504	1,008
Electronic Security System	Cisco UC Phone 7821	229.00	128	29,312
Electronic Security System	Cisco IP Phone 8845	4.00	288	1,152
Electronic Security System	Cisco UC Phone 8851	21.00	298	6,258
Electronic Security System	Cisco IP Phone 8865	10.00	398	3,980
Electronic Security System	1 Year Service Agreement(for above Phones)	293.00	6	1,758
Electronic Security System	8831 UNIFIED IP CONFERENCE for CUWL User	2.00	698	1,396
Electronic Security System	Extended service agreement - replacement - 8x5 - response time: NBD(for 8831)	6.00	45	270
Electronic Security System	MediaSense 11.0 Audio Port License(Cisco Voicemail Licensing)	12.00	148	1,776
Electronic Security System	SWSS UPGRADES MediaSense 11.0 Audio(for Cisco Voicemail upgrade)	20.00	47	940
Electronic Security System	Unified Communications: Providing a new VoIP communication and integrating that into security and lock down procedures	1.00	58,421	58,421
Entry Control System	UCS C240 M4 LFF 12 HD w/o CPU,mem,HD,PCIe,PS,railkt w/expdr	4.00	1,713	6,852

High-Tech Security Features

Page Last Modified: 11/29/2018

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Entry Control System	32GB SD Card for UCS servers(Memory for UCS Server)	10.00	81	810
Entry Control System	SNTC-8X5XNBD UCS C240 M4 LFF 12 HD w/o CPU,mem(Support for UCS Server)	4.00	339	1,356