

**GRANT AGREEMENT NO.**

This Grant Agreement is between the Mt. Hood Cable Regulatory Commission (“COMMISSION”) and Portland Community College (or “GRANTEE”) in an amount not to exceed \$62,689 to support the PCCTV Channel Media Asset Storage Solution project.

**RECITALS:**

1. GRANTEE submitted a grant application for the FY 2025-26 Off-Cycle Community Technology Grants Program grants process and following COMMISSION review, was recommended for funding.
2. The COMMISSION now desires to award a grant to GRANTEE in an amount not to exceed \$62,689.

**THEREFORE**, in consideration of the mutual promises and covenants contained herein, the parties agree as follows:

**ARTICLE I – SCOPE OF WORK/OUTCOME MEASURES**

GRANTEE agrees to implement the PCCTV Channel Media Asset Storage Solution project as described in ATTACHMENT A: Scope of Work/Grant Application, which by this reference are incorporated herein and made a part hereof. GRANTEE shall not use the Grant funds for any purposes other than those set forth in Attachment A.

**ARTICLE II – AGREEMENT PERIOD**

This Agreement becomes effective on September 15, 2025, unless GRANTEE fails to sign and return the Agreement to the COMMISSION within thirty (30) days of COMMISSION action to approve the Agreement, in which event this Agreement shall be null and void. The term of this Agreement is through, and including, August 31, 2026, unless extended or earlier terminated under the terms of this Agreement.

**ARTICLE III – SPECIFIC CONDITIONS OF THE GRANT**

- A. Publicity: During the term of this Grant Agreement, GRANTEE shall use its best efforts to mention the COMMISSION’s grant funding in publicity regarding the program(s) that will be supported by the grant funds.

Any publicity regarding the project shall indicate that the project was made possible by a Grant from the COMMISSION through funds provided by the cable companies. Grantee shall notify the Project Manager before releasing information about the Grant to the press or other news media. The COMMISSION may include information regarding the Grant in periodic public reports.

- B. Records: GRANTEE shall account for the Grant funds separately in its books of accounts. GRANTEE shall charge only Grant-related expenditures against Grant funds.

Grantee agrees to keep accurate and complete financial records that will enable the COMMISSION to easily determine the use of Grant funds and the allocation method of Matching Funds committed by GRANTEE and Project Partners in the Grant for the project. for six (6) years after COMMISSION makes final grant payment, GRANTEE has made final report, or the termination date of this Agreement, whichever is later. GRANTEE shall provide COMMISSION prompt access to these records upon request and permit copying as COMMISSION may require.

- C. COMMISSION Grant Manager: COMMISSION hereby appoints Rana DeBey to act as its Project Manager with regard to this Agreement. COMMISSION may, from time to time, designate another person to act as the Commission Project Manager and will inform GRANTEE in writing of any change in Project Manager.

Attn: Rana DeBey, Project Manager:  
Mt. Hood Cable Regulatory Commission  
c/o City of Portland  
Bureau of Planning & Sustainability  
1810 SW 5<sup>th</sup> Ave, Suite 710  
Portland, OR 97201  
Email: [rana.debey@portlandoregon.gov](mailto:rana.debey@portlandoregon.gov)

- D. GRANTEE Project Manager: GRANTEE hereby appoints Connor Ward to act as its Project Manager regarding this Agreement. GRANTEE may, from time to time, designate another person to act as the GRANTEE Project Manager and will inform COMMISSION in writing of any change in Project Manager.

Attn: Connor Ward  
Multimedia & Video Specialist  
c/o Portland Community College  
Phone: 971-722-4431  
Email: [connor.ward@pcc.edu](mailto:connor.ward@pcc.edu)

-With a copy to:

Attn: Mike Mathews  
Interim Associate Vice President of Finance and Compliance  
c/o Portland Community College  
Phone: 971-722-2831  
Email: [mike.mathews@pcc.edu](mailto:mike.mathews@pcc.edu)

And

Attn: Chelsea Martin  
Mgr/Multimedia  
c/o Portland Community College  
Phone: 971-722-8585  
Email: [chelsea.martin3@pcc.edu](mailto:chelsea.martin3@pcc.edu)

- E. Payment: The COMMISSION Project Manager is authorized to approve work, billings, and invoices submitted pursuant to this grant and to carry out all other COMMISSION actions referred to herein in accordance with this Agreement.
- F. Reports: GRANTEE shall submit Interim Status Reports and a Final Status Report (collectively referred to as ‘Report(s)’) to the Project Manager using the COMMISSION’s online grants management system. The Reports shall include both programmatic and financial information as established by the COMMISSION. For a Report to be acceptable to the Project Manager, the GRANTEE shall document and clearly describe the progress of the grant scope in accordance with the reporting schedule defined below.

Interim Status Reporting periods are September 15, 2025 through February 15, 2026. Interim Status Reports are due within thirty (30) days of the end of each reporting period.

GRANTEE shall submit a Final Status Report no later than July 31, 2026.

Interim and Final Status Reports shall include an accurate and complete financial report of Grant fund and Matching fund expenditures. The Report shall include copies of receipts or other evidence of payment for actual grant funded capital costs incurred by GRANTEE related to the Grant. Reported expenses will be charged against the advanced funds and will be made after review and approval of the status reports.

The Project Manager, at her/his sole discretion, may require additional programmatic information or financial documentation of Grant project expenditures. GRANTEE shall make its books, general organizational and administrative information, documents, papers and records that are related to this Agreement or GRANTEE’s performance of services related to this Agreement available for inspection by the Project Manager or other COMMISSION representatives during reasonable business hours following five (5) business days advance written notification from the Project Manager.

GRANTEE shall immediately provide notice in writing by electronic mail to the Project Manager when GRANTEE anticipates or realizes any deviation in the Grant project which may result in GRANTEE’s inability to complete the Grant project as originally submitted and approved by the COMMISSION.

- G. Project and Fiscal Monitoring: The COMMISSION and the Project Manager shall monitor the GRANTEE’s performance on an as needed basis to assure compliance with this Agreement. Such monitoring may include, but is not limited to, on site visits at reasonable times, telephone interviews and review of required reports. Monitoring will cover both programmatic and fiscal aspects of the Grant. The frequency and level of monitoring will be determined by the Project Manager. GRANTEE shall remain fully responsible at all times for performing the requirements of this Agreement.

#### **ARTICLE IV -- PAYMENTS**

- A. The amount of this grant award is \$62,689. This is a cost

reimbursable grant, meaning GRANTEE will only be reimbursed for eligible expenses incurred. The COMMISSION will pay GRANTEE the amount of the invoice within thirty (30) days of the approval date.

- B. GRANTEE shall use its best efforts to submit invoices for grant-funded expenses incurred in any July 1 - June 30 period (the Commission's fiscal year) to the COMMISSION according to the following timeline in each year of the grant in which expenses occur:
  - 1. In fiscal year Quarter 1 (July 1 - September 30), Quarter 2 (October 1 - December 30) and Quarter 3 (January 1 - March 31), submit invoices incurred during a quarter no later than 45 days after the close of each fiscal quarter.
  - 2. In fiscal year Quarter 4 (April 1-June 30), submit any invoices for grant-funded expenses incurring through May 30 by June 15, provide an estimate of anticipated grant-funded expenses incurred during the month of June by June 25, and an invoice for any grant-funded expenses incurred in the month of June by August 15.
  - 3. Alternative invoicing schedules are allowed in agreement with the COMMISSION's Grant Manager and Grantee.
- C. GRANTEE shall submit the invoice online through the COMMISSION's online grants management system using the guidance provided by the Grant Manager, for actual capital costs incurred by GRANTEE related to the approved Grant budget. The invoice, uploaded as an attachment to the grants management system status report module, shall be on GRANTEE's letterhead, signed and dated by an authorized representative of GRANTEE and addressed to "MHCRC c/o City of Portland." The invoice shall include an invoice number, the title of the Grant project and the total grant amount authorized by the Grant. If the Project Manager finds that the invoice is not in accordance with this Agreement, the Project Manager shall notify the GRANTEE of the reason(s) for the disallowance and non-payment.
- D. GRANTEE agrees to operate the program as described in the GRANTEE's grant application and to expend funds in accordance with the approved budget, unless the GRANTEE receives prior written approval from the COMMISSION'S Grant Manager to modify the program or the budget.
- E. If for any reason GRANTEE receives a grant payment under this Grant Agreement and does not use grant funds, provide required services or take any actions required by the Grant Agreement the COMMISSION may, at its option terminate, reduce or suspend any grant funds that have not been paid and may, at its option, require GRANTEE to immediately refund to the COMMISSION the amount improperly expended or received by GRANTEE.
- F. Grant payments under this Agreement may be used only to provide the services or take the actions listed previously in this Grant Agreement and shall not be used for any other purpose.
- G. If, for any reason, GRANTEE's anticipated services or actions are terminated, discontinued or interrupted, the COMMISSION's payment of funds under this grant may be terminated, suspended or reduced.

- H. The majority of expenditures (a minimum of 90%) made from Grant funds for Grant project capital costs must be made at least sixty (60) days prior to the expiration of this Agreement.
- I. GRANTEE shall repay to the COMMISSION, thirty (30) days prior to the expiration date of this Agreement, any Grant funds that have not been expended for Grant purposes.
- J. GRANTEE will keep vendor receipts and evidence of payment for materials and services and time records and evidence of payment for program wages, salaries, and benefits, and GRANTEE services. All such receipts and evidence of payments will promptly be made available to the Grant Manager or other designated persons, upon request. At a minimum, such records shall be made available and will be reviewed as part of the annual monitoring process.
- K. Prevailing wages. State of Oregon, Bureau of Labor and Industries (BOLI) wage rates are required for certain contracts that total \$50,000 and above. If GRANTEE's project is subject to the prevailing wage requirements, GRANTEE will comply with the prevailing wage requirements of ORS 279C.800 through 279C.870 and any other applicable prevailing wage requirements contained in ORS 279C, Oregon administrative rules, or Commission code.
- L. Prevailing wage indemnity. GRANTEE AGREES TO INDEMNIFY, DEFEND, AND HOLD HARMLESS COMMISSION, ITS EMPLOYEES, OFFICERS, AND AGENTS, FROM AND AGAINST ANY CLAIM, SUIT, OR ACTION, INCLUDING ADMINISTRATIVE ACTIONS, THAT ARISE OUT OF GRANTEE'S FAILURE TO COMPLY WITH ORS 279C.800 TO 279C.870 AND ANY APPLICABLE ADMINISTRATIVE RULES OR POLICIES.

#### **ARTICLE V -- GENERAL GRANT PROVISIONS**

- A. Cause for Termination; Cure. It shall be a material breach and cause for termination of this Agreement if GRANTEE uses grant funds outside of the scope of this Agreement, or if GRANTEE fails to comply with any other term or condition or to perform any obligations under this Agreement within thirty (30) days after written notice from COMMISSION. If the breach is of such nature that it cannot be completely remedied within the thirty (30) day cure period, GRANTEE shall commence cure within the thirty (30) days, notify COMMISSION of GRANTEE's steps for cure and estimated time table for full correction and compliance, proceed with diligence and good faith to correct any failure or noncompliance, and obtain written consent from COMMISSION for a reasonable extension of the cure period.
- B. No Payment or Further Services Authorized During Cure Period. During the cure period, COMMISSION is under no obligation to continue providing additional grant funds notwithstanding any payment schedule indicated in this Agreement. GRANTEE shall not perform services or take actions that would require COMMISSION to pay additional grant funds to GRANTEE. GRANTEE shall not spend unused grant funds and such unused funds shall be deemed held in trust for COMMISSION. GRANTEE shall be solely responsible for any expenses associated with cure of its noncompliance or failure to perform.
- C. Termination for Cause. Termination for cause based on GRANTEE's misuse of grant funds shall be effective upon notice of termination. Termination for cause

based on failure to comply or perform other obligations shall be effective at the end of the 30-day period unless a written extension of cure period is granted by COMMISSION. GRANTEE shall return all grant funds that had not been expended as of the date of the termination notice. All finished or unfinished documents, data, studies, and reports prepared by GRANTEE under this Agreement shall, at the option of COMMISSION, become the property of COMMISSION; and GRANTEE may be entitled to receive just and equitable compensation for any satisfactory work completed on such documents up until the time of notice of termination, in a sum not to exceed the grant funds already expended.

- D. Penalty for Termination for Cause. If this Agreement is terminated for cause, COMMISSION, at its sole discretion, may seek repayment of any or all grant funds tendered under this Agreement, and decline to approve or award future grant funding requests to GRANTEE.
- E. Termination by Agreement or for Convenience of Commission. COMMISSION and GRANTEE may terminate this Agreement at any time by mutual written agreement. Alternatively, COMMISSION may, upon thirty (30) days written notice, terminate this agreement for any reason deemed appropriate in its sole discretion. If the Agreement is terminated as provided in this paragraph, GRANTEE shall return any grant funds that would have been used to provide services after the effective date of termination. Unless the Parties agree otherwise, GRANTEE shall finish any work and services covered by any grant funds already paid and shall not commence any new work or services which would require payment from any unused grant funds.
- F. Changes in Anticipated Services. If, for any reason, GRANTEE's anticipated services or actions are terminated, discontinued or interrupted, COMMISSION's payment of grant funds may be terminated, suspended or reduced. GRANTEE shall immediately refund to COMMISSION any unexpended grant funds received by GRANTEE.
- G. Amendment. The Grant Manager is authorized to execute amendments to the scope of the services or the terms and conditions of this Agreement, provided the changes do not increase COMMISSION's financial risk. Increases to the grant amount must be approved by the COMMISSION unless the COMMISSION delegated authority to amend the grant amount authorizing this Agreement. Amendments to this Agreement, including any increase or decrease in the grant amount, must be in writing and executed by the authorized representatives of the Parties and approved to form by the COMMISSION's Attorney.
- H. Non-discrimination; Civil Rights. In carrying out activities under this Agreement, GRANTEE shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, handicap, familial status, sexual orientation or national origin. GRANTEE shall take actions to ensure that applicants for employment are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, age, handicap, familial status, sexual orientation or national origin. Actions shall include but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

GRANTEE shall post in conspicuous places, available to employees and applicants for employment, notices, which state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin. GRANTEE shall incorporate the foregoing requirements of this section in all other agreements for work funded under this Agreement, except agreements governed by Section 104 of Executive Order 11246.

- I. Audit. COMMISSION, either directly or through a designated representative, may conduct financial or performance audit of the billings and services under this Agreement or GRANTEE records at any time during this Agreement and during the six (6) year period established above in Article III.B. As applicable, audits will be conducted in accordance with generally accepted auditing standards as promulgated in *Government Auditing Standards* by the Comptroller General of the United States General Accounting Office. If an audit discloses that payments to GRANTEE exceeded the amount to which GRANTEE was entitled, then GRANTEE shall repay the amount of the excess to COMMISSION.

Because grant funds are derived from the cable franchises, the cable companies may conduct a financial review or audit of GRANTEE for the purpose of verifying whether use of capital grant funds is in accordance with the requirements of cable franchises related to use of capital grant funds. If the COMMISSION receives notice from a cable company in accordance with the terms of the cable franchises of such audit or review, the COMMISSION's Project Manager shall notify GRANTEE within five (5) business days of receiving the notice, and shall identify to GRANTEE the relevant financial records of GRANTEE that the cable company seeks to review. The scope of such audit or review of GRANTEE shall be consistent with the terms of the applicable cable franchise. GRANTEE agrees to make such relevant financial records available to cable company's authorized representative for inspection and copying. Such records shall be reviewed during normal business hours at a time and place made available by GRANTEE. The COMMISSION's Project Manager shall promptly provide GRANTEE with written notice of the audit or review's conclusions.

- J. Indemnification. GRANTEE shall hold harmless, defend, and indemnify COMMISSION, and its officers, agents and employees against all claims, demands, actions, and suits (including all costs) brought against any of them arising from actions or omissions of GRANTEE and/or its contractors in the performance of this Agreement.
- K. Grantee's Contractor; Non-Assignment. If GRANTEE utilizes contractors to complete its work under this Agreement, in whole or in part, GRANTEE shall require any of its contractors to agree, as to the portion contracted, to fulfill all obligations of the Agreement as specified in this Agreement. However, GRANTEE shall remain obligated for full performance hereunder, and COMMISSION shall incur no obligation other than its obligations to GRANTEE hereunder. This Agreement shall not be assigned or transferred in whole or in part or any right or obligation hereunder, without prior written approval of COMMISSION.
- L. Independent Contractor Status. GRANTEE, and its contractors and employees are not employees of COMMISSION and are not eligible for any benefits through COMMISSION, including without limitation, federal social security, health

benefits, workers' compensation, unemployment compensation, and retirement benefits. GRANTEE will be responsible for any federal, state, or local taxes and fees applicable to payments hereunder.

- M. Oregon Laws and Forum. This Agreement shall be construed according to the laws of the State of Oregon without regard to its provisions regarding conflicts of law. Any litigation between COMMISSION and GRANTEE arising under this Agreement or out of work performed under this Agreement shall occur in Multnomah County court having jurisdiction thereof, and if in the federal courts, in the United States District Court for the State of Oregon.
- N. Compliance with Law. GRANTEE and all persons performing work under this Agreement shall comply with all applicable federal, state, and local laws and regulations, including reporting to and payment of all applicable federal, state and local taxes and filing of business license. If GRANTEE is a 501(c)(3) organization, GRANTEE shall maintain its nonprofit and tax-exempt status during this Agreement.
- O. Severability. COMMISSION and GRANTEE agree that if any term or provision of this Agreement is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected, and the rights and obligations of the Parties shall be construed and enforced as if the Agreement did not contain the particular term or provision held to be invalid.
- P. No Other Obligations: GRANTEE acknowledges that, except for the Grant, the COMMISSION has no obligation to provide, and the COMMISSION has not led GRANTEE to believe in any way (whether expressly or by implication) that the COMMISSION will provide any additional or future assistance, financial or otherwise, either to GRANTEE or for the Grant project.
- Q. Merger. This Agreement contains the entire agreement between COMMISSION and GRANTEE and supersedes all prior written or oral discussions or agreements. There are no oral or written understandings that vary or supplement the conditions of this Agreement that are not contained herein.
- R. Third Party Beneficiaries. There are no third-party beneficiaries to this Agreement and may only be enforced by the Parties.
- S. Electronic Transaction; Counterparts. The Parties agree that they may conduct this transaction, including any amendments, by electronic means, including the use of electronic signatures. This Agreement, and any amendment, may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute a single instrument.
- T. NOTICE: Notices to Grantee under this Grant Agreement shall be sent to GRANTEE at the following address:

Attn: Connor Ward  
Multimedia & Video Specialist  
c/o Portland Community College  
Phone: 971-722-4431

Email: [connor.ward@pcc.edu](mailto:connor.ward@pcc.edu)

-With a copy to:

Attn: Mike Mathews  
Interim Associate Vice President of Finance and Compliance  
c/o Portland Community College  
Phone: 971-722-2831  
Email: [mike.mathews@pcc.edu](mailto:mike.mathews@pcc.edu)

And

Attn: Chelsea Martin  
Mgr/Multimedia  
c/o Portland Community College  
Phone: 971-722-8585  
Email: [chelsea.martin3@pcc.edu](mailto:chelsea.martin3@pcc.edu)

NOTICE: Notices to Grantor under this Grant Agreement shall be sent to COMMISSION at the following address:

Attn: Rana DeBey, Project Manager:  
Mt. Hood Cable Regulatory Commission  
c/o City of Portland  
Bureau of Planning & Sustainability  
1810 SW 5<sup>th</sup> Ave, Suite 710  
Portland, OR 97201  
Email: [rana.debey@portlandoregon.gov](mailto:rana.debey@portlandoregon.gov)

**SIGNATURES:**

**COMMISSION**

**GRANTEE**

\_\_\_\_\_  
Name: Julia DeGraw  
Title: Chair,  
Mt. Hood Cable  
Regulatory Commission  
(MHCRC)

\_\_\_\_\_  
Name: Mike Mathews  
Title: Interim Associate Vice  
President of Finance and  
Compliance  
Portland Community College

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**APPROVED AS TO FORM:**

\_\_\_\_\_  
Commission Attorney,  
Mt. Hood Cable Regulatory  
Commission (MHCRC)

**Letter of Interest (LOI) from Portland Community College Media Production  
for a Special Funding Request from Mt. Hood Cable Regulatory Commission (MHCRC)**

**Project Name:** PCCTV Channel Media Asset Storage Solution

**Public Benefit Area:** This project falls under the *Cost Reduction* public benefit area. It focuses on improving the hardware backup system for expanded access and storage of content for PCCTV, Comcast PEG Channel 27. The proposed system improvements will save thousands of dollars per year in hardware service contract and engineering service costs, modernize equipment to meet industry-standard best data practices, and create more efficient workflows that lead to more diverse content production for PCCTV for years to come.

**Description of Overall Project:** The overall project is focused on replacing the content server and hardware backup system used to store content for the Comcast PEG Channel, PCCTV CH 27. The current content server's capacity leaves PCC deadlocked with the amount, variety, and quality of content being produced and broadcast on Channel 27. There is a significant library of archive content such as educational presentations with notable and international guest speakers, historical community event footage, and student projects, all worth preserving for both historical purposes and rebroadcasting. Currently, as PCC creates new content, the system's limited storage capacity requires staff to manually delete the archive content to make room. This process not only erases valuable material but also inhibits efficient workflow, as the time spent managing storage issues could be better spent producing and curating additional content for the channel. Additionally the editing workstations are extremely out of date, are no longer supported in software or hardware, and are not able to run modern video editing software.

A new server with expanded storage capacity will allow PCC to scale up operations for Channel 27 and produce more diverse content for years to come. The improved infrastructure will directly support increased content creation by streamlining production and post-production processes. The new server enables simultaneous and remote handling of multiple projects, including community-uploaded programming and evergreen educational content, which stays relevant over time. The richer and more diverse schedule of programming will include a greater number of rebroadcasts made possible through increased access to archived content, as well as new content from creators like the PCC multimedia program, which is the academic program for media students. The new server's extended capacity also supports the ever-growing needs for higher-resolution content, which aligns with evolving viewer expectations. Improved server capability works hand-in-hand with the integration of up-to-date video editing workstations to enable content creation. With content more safely housed as a result of this project and modern editing workstations, PCC aims to broadcast at least 50 hours of new content during the grant period.

In 2022, PCC was awarded grant funds from MHCRC and used them to replace a playout server, which schedules and plays content to be encoded to the channel. This equipment is isolated from production workflows to ensure only finalized content is aired. The content server now proposed for funding is a separate piece of equipment which mirrors the content on the playout server as a hardware backup and hosts all content in development plus reusable content.

The current server system requires expensive hardware service contracts, which the new system will not require. It also requires the expertise of an engineer when technical issues arise, which PCC does not currently have on staff, and which the new system will not require. Without the hardware service contract and engineering services, there will be a cost avoidance of more than \$8,000 per year. The current system also does not allow PCC to follow the industry standard's best data practices; if there were a technical failure, all content could be lost. If PCC were to purchase a hardware backup system for the current server, it would cost just as much as buying both a new server and accompanying hardware backup system, because of the configuration and age of the current server. The best long term solution is to purchase a new server, hardware backup system, and to update the editing workstations used to produce content, as the current models are no longer viable tools.

If PCC were to wait until the next cycle of the MHCRC Community Technology Grants program to apply for funding for this project, the college would be forced to forfeit a \$50,000 grant award from Metropolitan Area Communications Commission (MACC) toward the project, as the MACC award is contingent upon PCC producing the remaining \$62,688.48 needed for the project by the end of 2025. PCC is also providing a match of \$78,827 in personnel time to complete the planning, purchase, installation, training, documentation, operation, and content management components of the project. Along with the MACC funding at stake, this project is time-sensitive because PCC must continue to manually delete valuable content from the archives to make room for new content, inhibiting efficient workflows, and spending thousands of dollars more each year on the hardware service contracts and engineering to maintain the current system setup.

**Project Goals and Objectives:** Requested funds will enable PCC to purchase equipment that better supports longevity and cost avoidance, and will allow PCC to broadcast at least 50 hours of new content during the grant period.

### **Proposed Scope of Work:**

#### Year 1: Phase 1

- Detailed design phase: design and review by PCC staff (1 – 3 months)
- Procurement of equipment: planning (logistics and human resource); coordination, and approvals; and purchasing by PCC staff of grant-funded equipment (1 - 6 months)
- Physical installation of equipment: installation of proposed replacement server(s) and monitoring systems, to be done alongside current live systems to minimize downtime for cutover, by PCC staff (1 – 2 weeks)
- Configuration of equipment: basic configuration, data migration, and programming by PCC staff (2 – 4 weeks)
- Vendor training: PCC staff will be trained by the vendor or direct from the manufacturer (part of equipment purchase agreement) on basics of equipment management and maintenance (1 – 4 days)
- Commissioning of equipment: PCC staff will complete commissioning (1 – 2 days)
- Maintenance planning: PCC staff will plan required maintenance and schedules (1 – 2 months)

#### Year 1: Phase 2

- Live to air services: PCC staff will carry out planning, testing, and evaluation of new live to air features (1 – 6 months)
- Air new content: At least 50 hours of new content will air to PCCTV CH 27 over the course of the grant period

**Line Item Budget (estimated costs):**

<b>Cost Category</b>	<b>Grant Funds</b>	<b>Match Amount</b>	<b>Project Total</b>
<b>Personnel</b>		\$ 78,827	\$ 78,827
<b>Education and Training</b>	Included		
<b>Travel</b>			
<b>Contractual</b>			
<b>Equipment</b>	\$ 62,688.48	\$ 50,000	\$ 112,688.48
<b>Infrastructure/Facilities Construction</b>			
<b>Miscellaneous</b>			
<b>Overhead (10% of total direct costs)</b>			
<b>Totals</b>	\$ 62,688.48	\$ 128,827	\$ 191,515.48

## **Equipment**

See also attached itemized cost estimate from vendor B&H. Our request from MHCRC represents 32.73% of the total project costs, and 55.63% of the equipment costs for this project. Please note discrepancy of \$279 between equipment costs in this budget and attached vendor quote, due to an item being currently out of stock: "Ubiquiti Networks Cloud Gateway Fiber."

### **Primary Server (\$50,245.23):**

- **Core Video Operations & Asset Management:** For video production, the primary server is the central repository for high-resolution video files, project assets (graphics, audio), and finished deliverables. It hosts critical software licenses, collaborative editing environments (e.g., shared project files for Adobe Premiere Pro, DaVinci Resolve), and media asset management (MAM) systems. A robust primary server ensures editors, colorists, and motion graphics artists can simultaneously access and work on massive files without bottlenecks.
- **Centralized & Secure Storage:** It provides a secure, RAID protected, high-speed storage solution for all production assets, crucial for maintaining version control and preventing data fragmentation across individual workstations.
- **Item list:**
  - Synology 20TB HAS5300 SAS-3 3.5" Internal Enterprise HDD
  - Synology 32GB DDR4 RDIMM ECC Memory Module
  - Synology 7TB SAT5210 SATA III 2.5" Internal SSD
  - Synology 800GB SNV3510 NVMe M.2 22110 SSD
  - Synology E25G30-F2 2-Port 25G SFP28 to PCIe 3.0 Adapter Card
  - Synology M2D20 M.2 Adapter Card
  - Synology RX1222sas 12-Bay Expansion Enclosure
  - Synology SA3610 12-Bay NAS Enclosure
  - Synology Sliding Rail Kit RKS-02

### **Backup Server (\$47,049.72):**

- Irreplaceable Asset Protection: RAID is not a substitute for a comprehensive backup strategy that addresses a wider range of data loss scenarios, including human error, software corruption, cyberattacks, and site-level disasters. A backup server is absolutely critical for safeguarding against catastrophic data loss due to hardware failure, accidental deletion, or cyber threats. Losing footage means losing the entire project and potentially significant revenue.
- Archival & Long-Term Storage: Beyond immediate recovery, a backup server often serves as an archival solution for finished projects, ensuring access to past work for future edits, re-cuts, or client requests, which is a common need in video production.
- Item list:
  - Synology 20TB HAS5300 SAS-3 3.5" Internal Enterprise HDD
  - Synology 32GB DDR4 RDIMM ECC Memory Module
  - Synology 7TB SAT5210 SATA III 2.5" Internal SSD
  - Synology RX1222sas 12-Bay Expansion Enclosure
  - Synology SA3410 12-Bay NAS Enclosure
  - Synology Sliding Rail Kit RKS-02

### **Workstation (\$10,436.08):**

- Editing & Post-Production Power: High-performance workstations are the engines for individual video editors, motion graphics designers, and colorists. They require powerful CPUs, ample RAM, fast GPUs, and quick local storage (SSDs) to handle demanding software, complex timelines, and real-time playback of high-resolution footage.
- Specialized Software Performance: The cost reflects the need for professional-grade machines capable of running applications like Adobe Creative Suite, DaVinci Resolve, Avid Media Composer, Cinema 4D, and other specialized tools that are foundational to video production workflows.
- Creator Productivity & Efficiency: Investing in capable workstations directly impacts the speed and creativity of your production team, allowing them to focus on the creative process rather than waiting for software to respond or renders to complete.
- Item list:
  - 3Dconnexion CadMouse Compact Wired Mouse
  - ASUS ProArt Display PA32UCE 31.5" 4K HDR Monitor
  - Logickeyboard TITAN Adobe Premiere Pro CC Wireless Keyboard for Mac
  - Mac Studio M3 Ultra (Ultra 28-Core, 96GB Memory, 1TB SSD)
  - Sennheiser HD 200 Pro Monitoring Headphones
  - Sonnet Solo2.5G USB-C to 2.5G Ethernet Adapter

### **Network (\$4,957.45):**

- High-Speed Connectivity: Reliable and fast networking accessories (e.g., 25GbE and 10GbE network cards, high-speed switches) are vital for editors to quickly access large video files from the primary server. Without them, even the most powerful workstations would be hampered. (Existing network infrastructure does not support 25GbE)
- Item list:
  - Complex Blank Keystone Patch Panel
  - Pearstone Cat 7 Double-Shielded Ethernet Patch Cable (1', Green)
  - Pearstone Cat 7 Double-Shielded Ethernet Patch Cable (10', Green)
  - Pearstone Cat 7 Double-Shielded Ethernet Patch Cable (25', Green)
  - Pearstone Cat 7 Double-Shielded Ethernet Patch Cable (7', Green)
  - Simply45 S45-3275 10G Shielded Keystone Feed-Thru Coupler (Nickel, 25-Pack)
  - Ubiquiti Networks 10 GbE SFP+ to RJ45 Module
  - Ubiquiti Networks 25G Single-Mode SFP28 Optical Module
  - Ubiquiti Networks Switch Enterprise XG 24 24-Port 10G Managed Network Switch with 25G SFP28
  - Ubiquiti Networks UniFi 25G SFP28 Direct Attach Cable (16.4')
  - Ubiquiti Networks UniFi Pro PoE 48-Port Gigabit Managed PoE Network Switch with SFP+
  - Ubiquiti Networks Cloud Gateway Fiber\*

\*\$279 MSRP included in budget. Excluded from attached quote because it's currently out of stock with vendor B&H.

## Personnel

Multimedia Manager - Time per week .077%, or 3.08 hours per week. Duration of position's involvement is 12 months. Salary and fringe benefits are \$13,348. The Multimedia Manager will oversee the project and submit reports, manage equipment procurement, and supervise staff. 100% of salary and benefit costs will be covered by PCC's matching funds.

Multimedia & Video Specialist (Project Manager) - Time per week .188%, or 7.5 hours per week. Duration of position's involvement is 12 months. Salary and fringe benefits are \$23,130. The Multimedia & Video Specialist (Project Manager) will determine infrastructure and storage needs, define technical requirements, manage equipment setup and integration, and create training and documentation. 100% of salary and benefit costs will be covered by PCC's matching funds.

Multimedia & Video Specialist - Time per week .038%, or 1.54 hours per week. Duration of position's involvement is 12 months. Salary and fringe benefits are \$6,044. The Multimedia & Video Specialist will identify key files for migration, prepare and organize files, and attend internal training. 100% of salary and benefit costs will be covered by PCC's matching funds.

Multimedia & Video Specialist - Time per week .038%, or 1.54 hours per week. Duration of position's involvement is 12 months. Salary and fringe benefits are \$5,136. The Multimedia & Video Specialist will identify key files for migration, prepare and organize files, and attend internal training. 100% of salary and benefit costs will be covered by PCC's matching funds.

IT Operations Engineer - Time per week .038%, or 1.54 hours per week. Duration of position's involvement is 12 months. Salary and fringe benefits are \$6,525. The IT Operations Engineer will provide equipment configuration, and security policy implementation. 100% of salary and benefit costs will be covered by PCC's matching funds.

Videographer - Time per week .087%, or 3.46 hours per week. Duration of position's involvement is 12 months. Salary and fringe benefits are \$4,929. The Videographer will provide equipment installation, and prepare and organize files. 100% of salary and benefit costs will be covered by PCC's matching funds.

Multimedia and Content Strategy Support Staff - Time per week .019%, or .77 hours per week, for a pool of 18 staff. Duration of position's involvement is 12 months. Total salary and fringe benefits for 18 staff are \$19,715. Support Staff will attend internal training on use of new equipment. 100% of salary and benefit costs will be covered by PCC's matching funds.

## **Additional Application Components for a Special Funding Request to Mt. Hood Cable Regulatory Commission (MHCRC)**

### **Portland Community College Media Production**

**Project Name:** PCCTV Channel Media Asset Storage Solution

### **Additional Components Requested by MHCRC, Aug 2025:**

#### **Measurable Project Outcomes**

*What project outcomes (no more than four) do you hope to achieve for the identified community or targeted beneficiaries through the use of the proposed technology?*

*The MHCRC is interested in outcomes related to the use of the technology. You will be asked to report on progress made toward achieving these outcomes in your semi-annual grantee reports.*

Project Outcome 1: Air at least 50 hours of new content to PCC Channel 27 during the grant period.

Project Outcome 2: Migrate all content (approx. 20,000 hours) off the old server during the grant period.

Project Outcome 3: Enable student and community content submission for airing on PCC Channel 27 during the grant period.

#### **Evaluation Plan**

*How will you evaluate progress toward, and achievement of, the project's anticipated outcomes?*

*The evaluation plan should include evaluation questions, strategies or methodologies to collect data in order to answer the questions and steps to document findings and lessons learned, and should directly tie to the measurable outcomes listed above.*

On a quarterly basis, the Project Team will evaluate activities and plan future activities. Semi-annual reports will be submitted as required by MHCRC. A final evaluative report will include outcome assessment results, project strengths and challenges, lessons learned, and plans for continuous improvement.

Project Outcome 1: At least 50 hours of new content aired

To measure the success of airing at least 50 hours of new content, the plan will utilize a project database ([monday.com](http://monday.com)) to log the content airing on the channel.

Project Outcome 2: All content migrated off the old server

The success of migrating all 20,000 hours of content will be evaluated through the successful transition to the new server by gross file size, as file structure is expected to change (i.e., rather than tracking individual files, data migration is tracked by gross file size and subsequent total sum of data).

Project Outcome 3: Student and community content submission enabled

By eliminating storage capacity issues, the new system will enable student and community content to be submitted for airing on CH 27. Successful expanded access for student and community creators will be measured by tracking the number of submissions.

**Evaluation Question:** How will new equipment/technology lead to cost reduction?

Indicators: The upgraded, scalable NAS system will directly result in cost reduction and avoidance by reducing long-term maintenance costs, eliminating the need for frequent hardware replacements, and decreasing dependency on expensive external storage solutions.

Data Sources and Collection: Remote access logs will be available for an overview report to indicate the percent of use on-site and off-site.

Timing: The Project Manager will create quarterly reports and compile data for project review and reporting.

Findings and Lessons Learned: The Project Manager will create data reports with quantitative and qualitative data assessing the outcomes. They will share findings at quarterly Multimedia & Content Strategy team meetings. The team will review the data and discuss progress on outcomes, accomplishments and challenges, and lessons learned to determine if adjustments are needed to further improvements in service delivery.

**Evaluation Question.** How will community members benefit from the updated equipment and new programming capabilities?

Indicators: The system enables better collaboration on media projects, allowing the college to engage more effectively with community partners and stakeholders through improved digital asset management and sharing (See Outcome 3). The new equipment will also enhance accessibility, efficiency, and reliability of digital asset storage and retrieval, improving workflow for the Marketing and Communications team and other stakeholders (See Outcomes 1 and 2).

Data Sources and Collection: Submission of new air-able content will be tracked by the upload folder report and the College's project management tool.

Timing: The Project Manager will create quarterly reports and compile data for project review and reporting.

Findings and Lessons Learned: The Project Manager will enable data logging dashboards to track how newly submitted content is used. They will share findings at quarterly Multimedia & Content Strategy team meetings. The team will review the data and discuss progress on the project outcome, accomplishments and challenges, and lessons learned to determine if adjustments are needed to strengthen efficiency and effectiveness of airing Channel 27 content.

**Proposed Project Start and End Date:**

Project Start Date: 07/01/2025

Project End Date 07/31/2026

**Implementation Plan**

*The Implementation Plan should include major tasks and milestones in addition to detailed tasks needed to successfully implement the project.*

The Project Manager will be Connor Ward, PCC Multimedia and Video Specialist, who will be supported by the Multimedia & Content Strategy team, as needed and appropriate. Evaluation plans are integrated with implementation plans throughout the project (please see the Evaluation Plan). This plan lists the key milestones of implementation. Timing is dependent on forces that are beyond control (product availability, etc.). The primary reference will be the milestones themselves. The time required for key steps are approximate.

**1. Milestone: Equipment Ordered (July - November 2025)**

Task: Design and planning

Research storage solution options and potential cost savings/avoidance (1 month)

Determine funding sources and apply for external funding (4 months)

Task: Orders for purchasing

Finalize list (2 days)

Contact vendors for availability/price (1 day)

Assign items to vendors (1 day)

Submit list to purchasing (1 day)

Task: Purchasing places order

Contact vendors for ship dates (1 day)

Maintain received checklist/inventory (Ongoing)

**2. Milestone: Equipment Received and Installed (December 2025 or 1 month after order is completed)**

Task: : Purchase, installation, and configuration

PCC staff install replacement server(s) and monitoring systems, to be done alongside current live systems to eliminate downtime (1 – 2 weeks)

PCC staff complete basic configuration including storage and network settings, programming, IT compliance , and security policy implementation, to prepare for content migration (4 - 6 weeks)

**3. Milestone: System configured, training and maintenance plan completed (January - March 2026)**

Task: Documentation and training development

Compile documentation library for operator-level users (1 week)

Create site-specific operator-level documents for setup, operation and best practices (2 weeks)

Train PCC staff on basics of equipment usage, management, and maintenance (1-4 days)

Task: Commissioning and maintenance plan

PCC staff will complete commissioning (1-2 days)

PCC staff will plan required maintenance and schedules (1-2 months)

#### 4. Milestone: Enable New Content Submission and Airing (March - July 2026)

Task: Migrate all existing content. (*Project Outcome 2*)

The project team will systematically organize and transfer all approximately 20,000 hours of content from the old server to the new one (2 months)

Task: Enable student and community content submission for airing on PCC Channel 27 (*Project Outcome 3*)

Share new submission processes with internal and community partners (Ongoing)

Begin collection of new content (Ongoing)

#### Milestone 5: Project Closeout and Final Reporting (June-July 2026)

Task: Air new content

At least 50 hours of new content will air to PCCTV CH 27 by the project end date of 7/31/26 (*Project Outcome 1*)

Task: Compile and submit the final report to stakeholders

Task: Remove and decommission old systems (1 month)

## **BUDGET NARRATIVE**

### **PERSONNEL - matching funds**

Multimedia Manager - The Multimedia Manager will oversee the project and submit reports, manage equipment procurement, and supervise staff. The Multimedia Manager will work .077% (~3 hours/week) of the time for 12 months. Based on an annual salary and fringe benefits of \$173,351, the cost to the project will be \$13,348.

Grant Funds: \$0

Match: \$13,348

Multimedia & Video Specialist (Project Manager) - The Multimedia & Video Specialist (Project Manager) will determine infrastructure and storage needs, define technical requirements, manage equipment setup and integration, and create training and documentation. The Multimedia & Video Specialist (Project Manager) will work .188% (~3.5 hours/week) of the time for 12 months. Based on an annual salary and fringe benefits of \$123,032, the cost to the project will be \$23,130.

Grant Funds: \$0

Match: \$23,130

Multimedia & Video Specialist - The Multimedia & Video Specialist will identify key files for migration, prepare and organize files, and attend internal training. The Multimedia & Video Specialist will work .038% (~1.5 hours/week) of the time for 12 months. Based on an annual salary and fringe benefits of \$159,053, the cost to the project will be \$6,044.

Grant Funds: \$0

Match: \$6,044

Multimedia & Video Specialist - The Multimedia & Video Specialist will identify key files for migration, prepare and organize files, and attend internal training. The Multimedia & Video Specialist will work .038% (~1.5 hours/week) of the time for 12 months. Based on an annual salary and fringe benefits of \$135,158, the cost to the project will be \$5,136.

Grant Funds: \$0

Match: \$5,136

IT Operations Engineer - The IT Operations Engineer will provide equipment configuration, and security policy implementation. The IT Operations Engineer will work .038% (~1.5 hours/week) of the time for 12 months. Based on an annual salary and fringe benefits of \$171,711, the cost to the project will be \$6,525.

Grant Funds: \$0

Match: \$6,525

Videographer - The Videographer will provide equipment installation, and prepare and organize files. The Videographer will work .087% (~3.5 hours/week) of the time for 12 months. Based on

an annual salary and fringe benefits of \$56,654, the cost to the project will be \$4,929.

Grant Funds: \$0

Match: \$4,929

Multimedia and Content Strategy Support Staff - Support Staff will attend internal training on use of new equipment. 18 Support Staff will work .019% of the time for 12 months. Based on an annual salary and fringe benefits, for 18 staff, of \$1,037,657, the cost to the project will be \$19,715.

Grant Funds: \$0

Match: \$19,715

Total Personnel Cost: \$78,827

## EQUIPMENT

The following equipment will support the proposed activities of housing new content and migrating archive content to a safer, more efficient storage system for PCC CH 27. Costs are obtained through competitive bidding. PCC's request for grant funds from MHCRC represents 32.73% of the total project costs. All items on the following list would be supported by MHCRC grant funds, with the exception of the Primary Server , which will be covered by matching funds. However, 82.16% or \$245.23 of the Primary Server item, "Synology Sliding Rail Kit RKS-02" is part of our request for MHCRC grant funds, since matching funds will cover only 17.84% or \$53.24 of that item. Additionally, please note the discrepancy of \$279 between equipment costs in this budget and attached itemized cost estimate from vendor B&H, due to an item being currently out of stock: "Ubiquiti Networks Cloud Gateway Fiber."

### **Primary Server (Subtotal \$50,245.23) - matching funds**

- Core Video Operations & Asset Management: For video production, the primary server is the central repository for high-resolution video files, project assets (graphics, audio), and finished deliverables. It hosts critical software licenses, collaborative editing environments (e.g., shared project files for Adobe Premiere Pro, DaVinci Resolve), and media asset management (MAM) systems. A robust primary server ensures editors, colorists, and motion graphics artists can simultaneously access and work on massive files without bottlenecks.
- Centralized & Secure Storage: It provides a secure, RAID protected, high-speed storage solution for all production assets, crucial for maintaining version control and preventing data fragmentation across individual workstations.
- Item list:
  - Synology 20TB HAS5300 SAS-3 3.5" Internal Enterprise HDD. 34 @ \$825.84 = \$28,078.56

- Synology 32GB DDR4 RDIMM ECC Memory Module. 4 @ \$596.99 = \$2,387.96
- Synology 7TB SAT5210 SATA III 2.5" Internal SSD. 2 @ \$1724.63 = \$3,449.26
- Synology 800GB SNV3510 NVMe M.2 22110 SSD. 2 @ \$298.49 = \$596.98
- Synology E25G30-F2 2-Port 25G SFP28 to PCIe 3.0 Adapter Card. 1 @ \$343.27 = \$343.27
- Synology M2D20 M.2 Adapter Card. 1 @ \$165.76 = \$165.76
- Synology RX1222sas 12-Bay Expansion Enclosure. 2 @ \$3183.99 = \$6,367.98
- Synology SA3610 12-Bay NAS Enclosure. 1 @ \$8556.99 = \$8556.99
- Synology Sliding Rail Kit RKS-02. 3 @ \$99.49 = \$298.47 (\$53.24 match, \$245.23 grant funds)

### **Backup Server (Subtotal \$47,049.72) - grant funds**

- Irreplaceable Asset Protection: RAID is not a substitute for a comprehensive backup strategy that addresses a wider range of data loss scenarios, including human error, software corruption, cyberattacks, and site-level disasters. A backup server is absolutely critical for safeguarding against catastrophic data loss due to hardware failure, accidental deletion, or cyber threats. Losing footage means losing the entire project and potentially significant revenue.
- Archival & Long-Term Storage: Beyond immediate recovery, a backup server often serves as an archival solution for finished projects, ensuring access to past work for future edits, re-cuts, or client requests, which is a common need in video production.
- Item list:
  - Synology 20TB HAS5300 SAS-3 3.5" Internal Enterprise HDD. 34 @ \$825.84 = \$28,078.56
  - Synology 32GB DDR4 RDIMM ECC Memory Module. 4 @ \$596.99 = \$2,387.96
  - Synology 7TB SAT5210 SATA III 2.5" Internal SSD. 2 @ \$1724.63 = \$3,449.26
  - Synology RX1222sas 12-Bay Expansion Enclosure. 2 @ \$3183.99 = \$6,367.98
  - Synology SA3410 12-Bay NAS Enclosure. 1 @ \$6467.49 = \$6467.49
  - Synology Sliding Rail Kit RKS-02. 3 @ \$99.49 = \$298.47

### **Workstation (Subtotal \$10,436.08) - grant funds**

- Editing & Post-Production Power: High-performance workstations are the engines for individual video editors, motion graphics designers, and colorists. They require powerful CPUs, ample RAM, fast GPUs, and quick local storage (SSDs) to handle demanding software, complex timelines, and real-time playback of high-resolution footage.
- Specialized Software Performance: The cost reflects the need for professional-grade machines capable of running applications like Adobe Creative Suite, DaVinci Resolve, Avid Media Composer, Cinema 4D, and other specialized tools that are foundational to video production workflows.

- Creator Productivity & Efficiency: Investing in capable workstations directly impacts the speed and creativity of the production team, allowing them to focus on the creative process rather than waiting for software to respond or renders to complete.
- Item list:
  - 3Dconnexion CadMouse Compact Wired Mouse. 2 @ \$74 = \$148.00
  - ASUS ProArt Display PA32UCE 31.5" 4K HDR Monitor. 2 @ \$1,139.40 = \$2,278.80
  - Logickeyboard TITAN Adobe Premiere Pro CC Wireless Keyboard for Mac. 2 @ \$105.76 = \$211.52
  - Mac Studio M3 Ultra (Ultra 28-Core, 96GB Memory, 1TB SSD). 2 @ \$3793.38 = \$7,586.76
  - Sennheiser HD 200 Pro Monitoring Headphones. 2 @ \$65 = \$130.00
  - Sonnet Solo2.5G USB-C to 2.5G Ethernet Adapter. 3 @ \$29.99 = \$81.00

### **Network (Subtotal \$4,957.45) - grant funds**

- High-Speed Connectivity: Reliable and fast networking accessories (e.g., 25GbE and 10GbE network cards, high-speed switches) are vital for editors to quickly access large video files from the primary server. Without them, even the most powerful workstations would be hampered. (Existing network infrastructure does not support 25GbE)
- Item list:
  - Camplex Blank Keystone Patch Panel. 2 @ \$29.76 = \$59.52
  - Pearstone Cat 7 Double-Shielded Ethernet Patch Cable (1', Green). 20 @ \$1.87 = \$37.40
  - Pearstone Cat 7 Double-Shielded Ethernet Patch Cable (10', Green). 23 @ \$4.39 = \$100.97
  - Pearstone Cat 7 Double-Shielded Ethernet Patch Cable (25', Green). 3 @ \$6.99 = \$20.97
  - Pearstone Cat 7 Double-Shielded Ethernet Patch Cable (7', Green). 20 @ \$3.95 = \$79.00
  - Simply45 S45-3275 10G Shielded Keystone Feed-Thru Coupler (Nickel, 25-Pack). 3 @ \$133.38 = \$400.14
  - Ubiquiti Networks 10 GbE SFP+ to RJ45 Module. 4 @ \$64.09 = \$256.36
  - Ubiquiti Networks 25G Single-Mode SFP28 Optical Module. 2 @ \$111 = \$222.00
  - Ubiquiti Networks Switch Enterprise XG 24 24-Port 10G Managed Network Switch with 25G SFP28. 2 @ \$1193.64 = \$2,387.28
  - Ubiquiti Networks UniFi 25G SFP28 Direct Attach Cable (16.4'). 2 @ \$38 = \$76.00
  - Ubiquiti Networks UniFi Pro PoE 48-Port Gigabit Managed PoE Network Switch with SFP+. 1 @ \$1,038.81 = \$1,038.81
  - Ubiquiti Networks Cloud Gateway Fiber\*. 1 @ \$279 = \$279

\*\$279 MSRP included in budget. Excluded from attached quote because it's currently out of stock with vendor B&H.

Total Equipment Cost: \$112,688.48 (\$62,689 from grant funds)

**LINE ITEM BUDGET:**

<b>Cost Category</b>	<b>Grant Funds</b>	<b>Match Amount</b>	<b>Project Total</b>
<b>Personnel</b>		\$ 78,827	\$ 78,827
<b>Education and Training</b>	Included		
<b>Travel</b>			
<b>Contractual</b>			
<b>Equipment</b>	\$ 62,689	\$ 50,000	\$ 112,689
<b>Infrastructure/Facilities Construction</b>			
<b>Miscellaneous</b>			
<b>Overhead (10% of total direct costs)</b>			
<b>Totals</b>	\$ 62,689	\$ 128,827	\$ 191,516



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(971)722-7229

Date		Customer Code	Terms	Salesperson	Ship Via	
07/22/25		897023	N/A	E9W	FDX GROUND	
Line No	Qty Ord	Item Description		SKU# MFR#	Item Price	Amount
1	2	UBIQUITI UNIFI SWITCH ENTERPRISE XG 24/REG Country of Origin: CHINA		UBUSWENTXG24 (USWENTPRXG24)	1,193.64	2,387.28
In Stock - while supplies last.						
2	1	UBIQUITI UNIFI SWITCH GEN2 10 GIGABIT 48-PORT/REG Country of Origin: CHINA		UBUSWP48POE (USW-PRO-48-POE)	1,038.81	1,038.81
In Stock - while supplies last.						
3	2	UBIQUITI UNIFI SFP28 DIRECT ATTACH CABLE-9.8'/REG Country of Origin: CHINA		UBACDASFP283 (UACC-DAC-SFP28-3M)	38.00	76.00
In Stock - while supplies last.						
4	2	UBIQUITI 25GBPS SINGLE-MODE OPTICAL MODULE/REG Country of Origin: CHINA		UBAOMSFP28LR (UACC-OM-SFP28-LR)	111.00	222.00

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Date	Customer Code	Terms	Salesperson	Ship Via	
	897023	N/A	Sism	FDX GROUND	
Line No	Qty Ord	Item Description	SKU# MFR#	Item Price	Amount
		<b>In Stock - while supplies last.</b>			
5	4	UBIQUITI 10G SFP+ TO 10/5/2.5GBE RJ45 MODULE/REG Country of Origin: CHINA	UBCCMRJ45MG (UACC-CM-RJ45-MG)	64.09	256.36
		<b>In Stock - while supplies last.</b>			
7	1	SYNOLOGY 12-BAY RACKMOUNT NAS SA3610 (DISKLESS)/REG Country of Origin: TAIWAN	SYSA3610 (SA3610)	8,556.99	8,556.99
		<b>In Stock - while supplies last.</b>			
8	2	SYNOLOGY NAS RX1222SAS 12BAY EXPANSION UNIT/REG Country of Origin: TAIWAN	SYRX1222SAS (RX1222SAS)	3,183.99	6,367.98
		<b>Temporarily Out of Stock. No ETA Available at this time</b>			
9	68	SYNOLOGY 20TB 3.5 SAS ENTRPRSE SERIES HRD DRVE/REG Country of Origin: TAIWAN	SYHAS531020T (HAS5310-20T)	825.84	56,157.12
		<b>Temporarily Out of Stock. More on the Way</b>			
10	4	SYNOLOGY 7TB SAT5210 SATA III 2.5" INTERNAL SSD/REG Country of Origin: TAIWAN	SYT52107000G (SAT5210-7000G)	1,724.63	6,898.52
		<b>In Stock - while supplies last.</b>			
11	8	SYNOLOGY 32GB DDR4 ECC RDIMM MEMORY MODULE/REG Country of Origin: TAIWAN	SYD4ER0132G (D4ER01-32G)	596.99	4,775.92

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Quote No.: 912620571

Date	Customer Code	Terms	Salesperson	Ship Via	
	897023	N/A	Sism	FDX GROUND	
Line No	Qty Ord	Item Description	SKU# MFR#	Item Price	Amount
		<b>Temporarily Out of Stock. No ETA Available at this time</b>			
12	1	SYNOLOGY 2-PORT 25GB SFP-28 PCIe NETWORK ADAPTR/REG Country of Origin: TAIWAN	SYE25G30F2 (E25G30-F2)	343.27	343.27
		<b>In Stock - while supplies last.</b>			
13	2	SYNOLOGY SYNLGY M.2 22110 NVMe SSD SNV3510 800G/REG Country of Origin: TAIWAN	SYSNV3510800 (SNV3510-800G)	298.49	596.98
		<b>In Stock - while supplies last.</b>			
14	1	SYNOLOGY M2D20 M.2 ADAPTER CARD/REG Country of Origin: TAIWAN	SYM2D20 (M2D20)	165.76	165.76
		<b>In Stock - while supplies last.</b>			
15	1	SYNOLOGY 12-BAY RACKMOUNT NAS SA3410 (DISKLESS)/REG Country of Origin: TAIWAN	SYSA3410 (SA3410)	6,467.49	6,467.49
		<b>In Stock - while supplies last.</b>			
16	2	SYNOLOGY NAS RX1222SAS 12BAY EXPANSION UNIT/REG Country of Origin: TAIWAN	SYRX1222SAS (RX1222SAS)	3,183.99	6,367.98
		<b>Temporarily Out of Stock. No ETA Available at this time</b>			
17	6	SYNOLOGY RAIL KIT SLIDING/REG Country of Origin: TAIWAN	SYRKS02 (RKS-02)	99.49	596.94

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Federal ID#: 15-2768071

Quote No.: 912620571

Date	Customer Code	Terms	Salesperson	Ship Via	
	897023	N/A	Sism	FDX GROUND	
Line No	Qty Ord	Item Description	SKU# MFR#	Item Price	Amount
		<b>In Stock - while supplies last.</b>			
18	3	PEARSTONE CAT7S/FTP SLIM PATCH CABLE - 25'/GREEN/REG Country of Origin: CHINA	PECAT7S25GR (CAT7-S25GR)	6.99	20.97
		<b>In Stock - while supplies last.</b>			
19	23	PEARSTONE CAT7S/FTP SLIM PATCH CABLE - 10'/GREEN/REG Country of Origin: CHINA	PECAT7S10GR (CAT7-S10GR)	4.39	100.97
		<b>In Stock - while supplies last.</b>			
20	20	PEARSTONE CAT7S/FTP SLIM PATCH CABLE - 7'/GREEN/REG Country of Origin: CHINA	PECAT7S07GR (CAT7-S07GR)	3.95	79.00
		<b>In Stock - while supplies last.</b>			
21	3	SIMPLY45 10G STP KEYSTONE COUPLER/25-PACK/REG Country of Origin: TAIWAN	SIS45327525 (S45-3275-25)	133.38	400.14
		<b>In Stock - while supplies last.</b>			
22	2	CAMPLEX BLANK KEYSTONE PATCH PANEL/REG Country of Origin: CHINA	CACMXKP1001 (CMX-KP-1001)	29.76	59.52
		<b>Special Order. 2-4 Weeks</b>			
23	2	APPLE ULTRA/28c/60g /M3/96GB/1TB/REG Country of Origin: CHINA	APMU973LLA (MU973LL/A)	3,793.38	7,586.76

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BNH\_quote



# Government, Education, and Corporate Department

For Pricing Requests, Purchase Orders, and Customer Service:

Phone: **800-947-8003**  
**212-239-7503**

Fax: **800-858-5517**  
**212-239-7759**

Email: Education: [emailbids@bhphoto.com](mailto:emailbids@bhphoto.com)  
Corporate: [corporatesales@bhphoto.com](mailto:corporatesales@bhphoto.com)

Fed Gov: [federsales@bhphoto.com](mailto:federsales@bhphoto.com)  
State and Local: [biddept@bhphoto.com](mailto:biddept@bhphoto.com)

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Federal ID#: 15-2768071

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Date	Customer Code	Terms	Salesperson	Ship Via	
	897023	N/A	Sism	FDX GROUND	
Line No	Qty Ord	Item Description	SKU# MFR#	Item Price	Amount
		<b>In Stock - while supplies last.</b>			
24	2	<b>ASUS PROART 32" 4K AGLR HDR IPS PRO MONITR/REG</b> Country of Origin: CHINA	<b>ASPA32UCE</b> (PA32UCE)	1,139.40	2,278.80
		<b>In Stock - while supplies last.</b>			
25	2	<b>LOGICKEYBOARD TITAN for ADOBE PREMIERE PRO CC/MAC/REG</b> Country of Origin: CHINA	<b>LOKPPROCCTMU</b> (LKB-PPROCC-TM-US)	105.76	211.52
		<b>In Stock - while supplies last.</b>			
26	2	<b>SENNHEISER HD 200 PRO MONITORING HEADPHONE/REG</b> Country of Origin: CHINA	<b>SEHD200P</b> (507182)	65.00	130.00
		<b>In Stock - while supplies last.</b>			
27	2	<b>3D CAD MOUSE COMPACT/REG</b> Country of Origin: CHINA	<b>3DX700081</b> (3DX-700081)	74.00	148.00
		<b>In Stock - while supplies last.</b>			
28	3	<b>SONNET SOLO2.5G USB-C 2.5GB ETHERNET ADAPTER/REG</b> Country of Origin: CHINA	<b>SOSOLONBASET</b> (SOLO-NBASE-T)	27.00	81.00
		<b>In Stock - while supplies last.</b>			

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<b>Phone:</b> 800-947-8003 212-239-7503	<b>Fax:</b> 800-858-5517 212-239-7759	<b>Email:</b> Education: <a href="mailto:emailbids@bhphoto.com">emailbids@bhphoto.com</a> Corporate: <a href="mailto:corporatesales@bhphoto.com">corporatesales@bhphoto.com</a>	Fed Gov: <a href="mailto:federsales@bhphoto.com">federsales@bhphoto.com</a> State and Local: <a href="mailto:biddept@bhphoto.com">biddept@bhphoto.com</a>
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Federal ID#: 15-2768071

Quote No.: 912620571

Date	Customer Code	Terms	Salesperson	Ship Via
	897023	N/A	Sism	FDX GROUND

Line No	Qty Ord	Item Description	SKU# MFR#	Item Price	Amount
<p>PLEASE NOTE: -----</p> <p>**** Please reference your quote number on all PO's ****</p> <p>**** ALL PRICES ARE LISTED IN USD ****</p>					

<b>Payment Type -</b> N/A	<b>- Amount</b>	<b>Sub-Total:</b> 112,372.08
		<b>Shipping:</b> Free STND
		<b>Total:</b> 112,372.08