



**PUBLIC CABLE TELEVISION AUTHORITY**  
**A Joint Powers Agency of the Cities of Fountain Valley, Stanton, and Westminster**  
7800 Katella Avenue, Stanton, CA 90680

***REGULAR MEETING AGENDA***

**November 20, 2024**  
**9:00 A.M.**

**MEETING LOCATION:** Stanton City Hall, City Council Chambers  
7800 Katella Avenue Stanton, CA 90680

IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GOVERNMENT CODE SECTION 54954.2, THIS AGENDA IS POSTED NOT LESS THAN 72 HOURS PRIOR TO THE MEETING DATE AND TIME ABOVE. ALL WRITTEN MATERIALS RELATING TO EACH AGENDA ITEM ARE AVAILABLE FOR PUBLIC INSPECTION IN THE OFFICE OF THE CITY CLERK OF EACH MEMBER CITY OF PCTA:

Fountain Valley City Hall, 10200 Slater Avenue, Fountain Valley, CA 92708  
Stanton City Hall, 7800 Katella Avenue, Stanton, CA 90680  
Westminster City Hall, 8200 Westminster Boulevard, Westminster, CA 92683

ALL AGENDAS, NOTICES, AND RELATED DOCUMENTS CAN BE ACCESSED ONLINE AT:  
<https://www.fountainvalley.gov/599/Public-Cable-Television-Authority>.

IN THE EVENT ANY MATTER NOT LISTED ON THIS AGENDA IS PROPOSED TO BE SUBMITTED TO THE BOARD FOR DISCUSSION AND/OR ACTION, IT WILL BE DONE IN COMPLIANCE WITH BROWN ACT REQUIREMENTS.

**ORDER OF BUSINESS:**

1. Call to Order
2. Pledge of Allegiance & Roll Call
3. Public Comments: Persons wishing to address the Board on PCTA matters may as determined by the Chair; comments are limited to three minutes or deferred until the specific agenda item.
4. Consent Calendar: All matters listed under the Consent Calendar are considered to be routine and will be enacted on simultaneously with one motion without discussion, unless separate action and/or discussion is requested by a board member, staff, or a member of the public.
  - A. Minute Approval of September 18, 2024, Regular Meeting: See backup to Item 4A.
  - B. Receive/File Register: None received at time of posting.
  - C. Receive/File Treasurer's/Administrative Expenditure Reports: None received at time of posting.

5. Reports:

- A. Report of Board
- B. Report of Treasurer
- C. Report of Attorney
- D. Report of Administration

6. New Business

- A. Reimbursement for City of Stanton Employee
  - i. Summary: The City of Stanton is requesting its quarterly reimbursement for City of Stanton employee Danny Hitt, related to PCTA administrative and operations support from July, 2024 to September, 2024 in the amount of \$8,107.00. (Attachment 6A)
  - ii. Recommended action: Approve reimbursement not to exceed \$8,107.00.
- B. Review and adopt the Biennial Conflict of Interest Code for PCTA
  - i. Summary: The Political Reform Act of 1974, Government Code section 81000 et seq. (the “Act”) requires all public agencies to adopt and maintain a conflict of interest code establishing the rules for disclosure of personal assets and the disqualification from making or participating in the making of any decisions that may affect any personal assets designating positions and establishing disclosure categories. (Attachment 6B)
  - ii. Recommended action: Adopt Resolution No. 2024-01 approving and adopting the amended Conflict of Interest Code pursuant to the Political Reform Act of 1974.
- C. NATOA membership annual renewal
  - i. Summary: PCTA’s annual NATOA membership is due for renewal. (Attachment 6C)
  - ii. Recommended action: Approve renewal of PCTA’s annual NATOA membership for calendar year 2025 in the amount of \$2,470.00.
- D. Presentation of Westminster proposed council chamber upgrade
  - i. Summary: Westminster’s audio/visual equipment in the council chamber is due for an upgrade. The desired target date to begin work is July, 2025. (Attachment 6D)
  - ii. Recommended action: Board to give direction on process and approval to proceed with the proposed upgrade, and submit RFP’s to qualified bidders.

- E. Discuss Board's interest in Staff submitting PCTA productions for industry awards and recognition
    - iii. Summary: Historically, PCTA annually submitted video productions for awards and recognition. PCTA has regularly won awards for our production work year after year, and it adds to the organization's overall credibility.
    - iv. Recommended action: Board to give approval to Staff to review and submit to the various industry awards entities and set an annual monetary amount for Staff to spend on awards submissions.
7. ADJOURNMENT TO December 18, 2024, at Stanton City Council Chambers, 7800 Katella Avenue, Stanton, CA 90680.



## MINUTES

**Regular Meeting of September 18, 2024**

**7800 Katella Avenue, Stanton, CA 92680**

Both Chair Shawver and Vice-Chair Ho were not present to start the meeting. Director Warren motioned to elect Director Grandis to be Acting-Chair, motion seconded by Director Bui.

Motion carried: 4-0

**1. Call to Order:** Acting Chair Glenn Grandis called the meeting to order at 9:05 A.M.

**2. Roll Call:**

Present: Director Glenn Grandis, City of Fountain Valley, Director Carol Warren, City of Stanton, Director NamQuan Nguyen, City of Westminster and Director Ted Bui, City of Fountain Valley

Absent: Chair David J. Shawver, City of Stanton

Excused: Vice-Chair Kimberly Ho, City of Westminster

**3. Public Comments:** None.

**4. Consent Calendar:**

Director Warren motioned to approve the Consent Calendar Seconded by Director Bui.

Motion carried by the following vote:

AYES: 4 (Warren, Grandis, Bui, Nguyen)

NOES: None

ABSTAIN: None

ABSENT: 2 (Ho, Shawver)

Motion unanimously carried 4-0

**A. Minutes Approved:** Regular Meeting of August 21, 2024.

**5. Reports:**

**A. Report of Board**

- i. Directed Warren commented on how much she enjoyed the PCTA coverage of Stanton's NNO event. Director Grandis added that PCTA has been doing a lot of good work.

**B. Report of Treasurer**

- i. None.

C. Report of Attorney

- i. None.

D. Report of Administration

- i. Staff gave update on FY2021 Audit being officially recorded and completed.

**6. New Business**

A. Reimbursement for City of Stanton

- ii. Summary: The City of Stanton is requesting its quarterly reimbursement for City of Stanton employee Danny Hitt, related to PCTA administrative and operations support in the amount of \$12,165.35. (Attachment 6A)
- iii. Recommended Action: Approve reimbursement not to exceed \$12, 165.35.

Board motioned to approve reimbursement to City of Stanton in the amount not to exceed \$12,165.35.

Motion/Second: Warren/Bui

Motion carried 4-0

B. June 19<sup>th</sup> Board meeting FY 2024-2025 Budget Workshop Review

1. FY 2024-25 Budget Presentation by Director Grandis. (Attachment 6B1)

Discuss the autonomy with which each City can spend their approved budget. (Attachment 6B2)

Board agrees to officially adopt FY 24-25 budget

Motion/Second: Grandis/Warren

Motion carried 4-0

1. Discuss the autonomy with which each City can spend their approved budget. (Attachment 6B2)

Board motions to allow each member city to decide how to spend their respective budgets.

If a member city exceeds their budget, additional funding will come from that member cities

Administrative General Fund.

Motion/Second: Grandis/Bui

Motion carried 4-0

2. Discuss need for maximum reimbursement amount for Westminster Council upgrades. (Attachment 6B3)

Board motions to continue this item.

Motion/Second: Grandis/Nguyen

Motion carried 4-0

\*Chair Shawver arrived for the meeting at 9:14am

3. Discuss capital purchases / Westminster lift purchase vs. rent. (Attachment 6B4)  
Board motions to continue this item while staff gathers drone pilot cost information.

Motion/Second: Shawver/Warren  
Motion carried 5-0

4. Discuss possibility of creating a Capital Improvement Fund. (Attachment 6B5)  
Board updates on July 17<sup>th</sup> Board meeting action.

6. Discuss protocol for compiling an approved vendor/contractor list. (Attachment 6B6)  
Board agrees current process is sufficient. No action needed.

7. Discuss rate structure for contractors. (Attachment 6B7)  
Board motions to increase contractor rate to \$40 per hour, with a three-hour time guarantee, and to increase the editor rates as recommended by staff.

\*Director Grandis left right before roll call vote

Motion/Second: Shawver/Nguyen  
Motion carried by the following roll call vote:

Director Nguyen	YES
Director Warren	YES
Director Bui	YES
Chair Shawver	YES

Motion carried 4-0

8. Discuss the potential to rent out the Production Truck to increase PCTA revenues.  
(Attachment 6B8)

Board recommends renting the production truck for a minimum starting price of \$1,500 per day, plus the cost of a PCTA engineer and PCTA contractor for the day. No vote taken.

**7. Adjournment: 10:06 A.M.**

To the next regularly scheduled meeting, October 16, 2024, at 9:00 A.M. at Stanton City Hall, Council Chambers, 7800 Katella Avenue, Stanton, CA 90680.

Item 6A



DATE	INVOICE NO
9/30/2024	0000473

<b>BILL TO</b>
Public Cable Television Authority 10350 Fern Avenue Stanton, CA 90680

DESCRIPTION	QUANTITY	EFFECTIVE RATE	AMOUNT	DISCOUNT	CREDIT	DUE DATE
						Due Upon Receipt
						BALANCE
PREVIOUS OUTSTANDING BALANCE						12,165.35
July 2024 - September 2024 Staff Reimbursement:						
PCTA Reimbursement	1.00	7,390.29	7,390.29	0.00	0.00	7,390.29
PCTA PEG	1.00	716.71	716.71	0.00	0.00	716.71
<b>INVOICE TOTAL:</b>			<b>8,107.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8,107.00</b>

PLEASE DETACH BOTTOM PORTION & REMIT WITH YOUR PAYMENT

For questions please contact us at (714) 379-9222

Customer Name: Public Cable Television Authority  
 Customer No: 008308  
 Account No: 0000140 - Reimbursement for staff time and other expenses

DUE DATE	INVOICE NO
Due Upon Receipt	0000473

**Please remit payment by the due date to:**

City of Stanton  
7800 Katella Avenue  
Stanton, CA 90680-3162

Previous Balance:	12,165.35
Invoice Total:	8,107.00
Discounts:	0.00
Credit Applied:	0.00
Ending Balance:	20,272.35

**INVOICE BALANCE: \$8,107.00**  
**AMOUNT PAID: \_\_\_\_\_**

Item 6A

Accounts Receivable

Invoices Proof List - Detail

User: VHolguin@StantonCA.gov  
 Printed: 10/02/2024 - 2:18 PM  
 Batch: 00004.09.2024



Tran Group	Invoice No	Tran Date Fee Code	Customer Name Debit Account	Credit Account	Account No	Tran Description Detail Description	Amount
605	0000473	9/30/2024	Public Cable Television Authority		0000140	July 2024 - September 2024 Staff Reimbursement	8,107.00
		PCTA	103-0000-123100	103-0000-437135		PCTA Reimbursement	7,390.29
		PCTA	103-0000-123100	103-0000-437135		PCTA PEG	716.71
<b>Total:</b>							<b>8,107.00</b>

# Accounts Receivable

## GL Distribution Report

User: VHolguin@StantonCA.gov  
 Printed: 10/02/2024 - 2:18PM  
 Batch: 00004.09.2024  
 JE Date: 09/30/2024



Section 1	Account	Description	DR Amount	CR Amount
103 PCTA Administration				
	103-0000-123100	Accounts Receivable	7,390.29	0.00
	103-0000-123100	Accounts Receivable	716.71	0.00
	103-0000-437135	Expense Reimbursement	0.00	716.71
	103-0000-437135	Expense Reimbursement	0.00	7,390.29
Section 1 103 Totals			8,107.00	8,107.00
Report Totals:			8,107.00	8,107.00

# Project Management

Item 6A



## Task 2 Label Detail By Project Label

User: VHolguin@StantonCA.gov

Printed: 10/2/2024 - 1:48 PM

Label	Code	Description								
Project Label	OTHER	Other Projects								
	2024-604	PCTA-PEG								
<u>Date</u>	<u>Amount</u>	<u>ALFRE</u>	<u>LEMS</u>	<u>System</u>	<u>Hours</u>	<u>Description</u>	<u>Reference</u>	<u>Line Item Description</u>	<u>Revenue Amount</u>	<u>Expense Amount</u>
08/23/2024	332.76	Expense	S	AP	0.00	USB3019	US BANK	Adobe Pro & Creative Cloud Apps for PCTA/JUL-2024(partial)	0.00	332.76
09/17/2024	383.95	Expense	S	GL	0.00		2025-03-112	Adobe Pro & Creative Cloud Apps for PCTA/AUG-2024	0.00	383.95
Service	Totals:				716.71					
		PCTA-PEG					Totals:		0.00	716.71
							Total Amount:		0.00	716.71

# Project Management

Item 6A



## Task 2 Label Detail By Project Label

User: VHolguin@StantonCA.gov  
 Printed: 10/2/2024 - 1:50 PM

Label	Code	Description								
Project Label	OTHER	Other Projects								
	2024-605	PCTA-FRANCHISE								
Date	Amount	ALFRE	LEMS	System	Hours	Description	Reference	Line Item Description	Revenue Amount	Expense Amount
07/18/2024	12.15	Expense	L	PR	0.00	HitD	Hitt	HitD Employee Benefit	0.00	12.15
07/18/2024	838.20	Expense	L	PR	24.50	HitD	Hitt	HitD Employee Gross	0.00	838.20
07/31/2024	14.75	Expense	L	PR	0.00	HitD	Hitt	UAL AND ADMIN OH-JUL 2024	0.00	14.75
07/31/2024	1.14	Expense	L	PR	0.00	HitD	Hitt	UAL AND ADMIN OH-JUL 2024	0.00	1.14
08/01/2024	16.37	Expense	L	PR	0.00	HitD	Hitt	HitD Employee Benefit	0.00	16.37
08/01/2024	1,129.01	Expense	L	PR	33.00	HitD	Hitt	HitD Employee Gross	0.00	1,129.01
08/15/2024	17.36	Expense	L	PR	0.00	HitD	Hitt	HitD Employee Benefit	0.00	17.36
08/15/2024	1,197.43	Expense	L	PR	35.00	HitD	Hitt	HitD Employee Gross	0.00	1,197.43
08/29/2024	17.61	Expense	L	PR	0.00	HitD	Hitt	HitD Employee Benefit	0.00	17.61
08/29/2024	1,214.54	Expense	L	PR	35.50	HitD	Hitt	HitD Employee Gross	0.00	1,214.54
08/31/2024	4.81	Expense	L	PR	0.00	HitD	Hitt	UAL AND ADMIN OH-AUG 2024	0.00	4.81
08/31/2024	62.32	Expense	L	PR	0.00	HitD	Hitt	UAL AND ADMIN OH-AUG 2024	0.00	62.32
08/31/2024	0.69	Expense	M	GL	0.00		156-02-2025	Rec Postage Distribution for August 2024	0.00	0.69
09/12/2024	18.60	Expense	L	PR	0.00	HitD	Hitt	HitD Employee Benefit	0.00	18.60
09/12/2024	1,282.96	Expense	L	PR	37.50	HitD	Hitt	HitD Employee Gross	0.00	1,282.96
09/26/2024	1,488.24	Expense	L	PR	43.50	HitD	Hitt	HitD Employee Gross	0.00	1,488.24
09/26/2024	21.58	Expense	L	PR	0.00	HitD	Hitt	HitD Employee Benefit	0.00	21.58
09/30/2024	3.76	Expense	L	PR	0.00	HitD	Hitt	UAL AND ADMIN OH-SEP 2024	0.00	3.76
09/30/2024	48.77	Expense	L	PR	0.00	HitD	Hitt	UAL AND ADMIN OH-SEP 2024	0.00	48.77
Labor	Totals:				8,695.29					
				PCTA-FRANCHISE			Totals:		0.00	7,390.29
							Total Amount:		0.00	7,390.29

**STAFF REPORT**

**DATE:** November 20, 2024  
**To:** MEMBERS OF THE BOARD OF DIRECTORS, PUBLIC  
CABLE TELEVISION AUTHORITY  
**FROM:** Danny Hitt  
**SUBJECT:** ADOPTION OF THE CONFLICT OF INTEREST CODE  
PURSUANT TO THE POLITICAL REFORM ACT OF 1974

**RECOMMENDED ACTION**

It is recommended that the Board of Directors adopt *Resolution No. 2024-01* approving and adopting the amended Conflict of Interest Code pursuant to the Political Reform Act of 1974.

**SUMMARY**

The Political Reform Act of 1974, Government Code section 81000 et seq. (the "Act"), requires all public agencies to adopt and maintain a conflict of interest code establishing the rules for disclosure of personal assets and the disqualification from making or participating in the making of any decisions that may affect any personal assets designating positions and establishing disclosure categories.

Attached is a final of the proposed Code shows that the Authority needs to formally adopt the Standard Conflict of Interest Code provided by the Fair Political Practices Commission (FPPC) which incorporates 2 Cal. Code of Regs. Section 18730 by reference as the provisions of the Code, declares officials that manage the investment of public funds, lists all positions required to be designated in the Code, including Consultants and New Positions, and establishes a list of disclosure categories for assignment to designated positions and consultants based on the duties of each position.

Attachment:

- A. Resolution No. 2024-01
- B. Proposed Conflict of Interest Code

**RESOLUTION NO. 2024-01**

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
THE PUBLIC CABLE TELEVISION AUTHORITY  
ADOPTING A CONFLICT OF INTEREST CODE  
PURSUANT TO THE POLITICAL REFORM ACT OF  
1974**

**WHEREAS**, the State of California enacted the Political Reform Act of 1974, Government Code Section 81000 et seq. (the “Act”), which contains provisions relating to conflicts of interest which potentially affect all officers, employees and consultants of the Public Cable Television Authority (the “Authority”) and requires all public agencies to adopt and promulgate a Conflict of Interest Code; and

**WHEREAS**, the Board of Directors adopts a Conflict of Interest Code (the “Code”) which was proposed on November 20, 2024, in compliance with the Act; and

**WHEREAS**, the potential penalties for violation of the provisions of the Act are substantial and may include criminal and civil liability, as well as equitable relief which could result in the Authority being restrained or prevented from acting in cases where the provisions of the Act may have been violated; and

**WHEREAS**, notice of the time and place of a public meeting on, and of consideration by the Board of Directors of the Authority, the proposed Conflict of Interest Code was provided to each designated employee and publicly posted for review at the offices of the Authority; and

**WHEREAS**, a public meeting was held upon the proposed Conflict of Interest Code at a regular meeting of the Board of Directors on November 20, 2024, at which all present were given an opportunity to be heard on the proposed Conflict of Interest Code.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Public Cable Television Authority that the Board of Directors does hereby adopt the proposed Conflict of Interest Code, a copy of which is attached hereto and shall be on file with the filing officer, and available to the public for inspection and copying during regular business hours;

Item 6B

**BE IT FURTHER RESOLVED** that the said Conflict of Interest Code shall be submitted to the Board of Supervisors of the County of Orange for approval and said Code shall become effective 30 days after the Board of Supervisors approves the proposed Conflict of Interest Code as submitted.

**APPROVED AND ADOPTED** this 20<sup>th</sup> day of November, 2024.

\_\_\_\_\_  
David J. Shawver, Chairman

ATTEST:

I, Danny Hitt, Secretary of the Public Cable Television Authority, DO HEREBY CERTIFY that the foregoing Resolution, being Resolution No. 2024-01 has been duly signed by the Chairman and attested by the Secretary, all at a regular meeting of the Public Cable Television Authority, held on November 20, 2024, and that the same was adopted, signed and approved by the following vote to wit:

AYES: \_\_\_\_\_

NOES: \_\_\_\_\_

ABSENT: \_\_\_\_\_

ABSTAIN: \_\_\_\_\_

\_\_\_\_\_  
Danny Hitt, Secretary

# CONFLICT OF INTEREST CODE OF THE PUBLIC CABLE TELEVISION AUTHORITY

(Adopted November 20, 2024)

The Political Reform Act (Government Code Section 81000, et seq.) requires state and local agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission has adopted a regulation (2 Cal. Code of Regulations section 18730) that contains the terms of a standard conflict of interest code, which can be incorporated by reference in an agency's code. After public notice and hearing the standard code may be amended by the Fair Political Practices Commission to conform to amendments in the Political Reform Act. Therefore, the terms of 2 California Code of Regulations section 18730 and any amendments to it duly adopted by the Fair Political Practices Commission are hereby incorporated by reference. This regulation and the attached Appendix designating positions and establishing disclosure categories, shall constitute the conflict of interest code of the **Public Cable Television Authority** ("**Authority**").

All officials and designated positions shall file their statements of economic interests with the Clerk as the Authority's Filing Officer/Official. The Clerk shall make and retain a copy of all statements filed by the Board of Directors and forward the originals of such statements to the Clerk of the Board of Supervisors of the County of Orange. The Clerk shall retain the original statements filed by all other officials and designated positions and will make all retained statements available for public inspection and reproduction during regular business hours. (Gov. Code § 81008.)

**APPENDIX**

**CONFLICT OF INTEREST CODE**

**OF THE**

**PUBLIC CABLE TELEVISION AUTHORITY**

**PART "A"**

**OFFICIALS WHO MANAGE PUBLIC INVESTMENTS**

Authority Officials who manage public investments, as defined by 2 Cal. Code of Regs. § 18700.3(b), are NOT subject to the Authority's Code, but must file disclosure statements under Government Code Section 87200 et seq. [Regs. § 18730(b)(3)] These positions are listed here for informational purposes only.

It has been determined that the positions listed below are officials who manage public investments<sup>1</sup>:

Members of the Board of Directors and their Alternates

Executive Director

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<sup>1</sup> Individuals holding one of the above-listed positions may contact the Fair Political Practices Commission for assistance or written advice regarding their filing obligations if they believe that their position has been categorized incorrectly. The Fair Political Practices Commission makes the final determination whether a position is covered by Government Code Section 87200.

**DESIGNATED POSITIONS**

**GOVERNED BY THE CONFLICT OF INTEREST CODE**

<b><u>DESIGNATED POSITIONS'</u></b> <b><u>TITLE OR FUNCTION</u></b>	<b><u>DISCLOSURE CATEGORIES</u></b> <b><u>ASSIGNED</u></b>
Legal Counsel	1, 2
Supervising Liaison	5

Consultants and New Positions<sup>2</sup>

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<sup>2</sup> Individuals providing services as a Consultant defined in Regulation 18700.3, or in a new position created since this Code was last approved that makes or participates in making decisions, as identified in Reg. 18734, shall disclose pursuant to the broadest disclosure category in this Code subject to the following limitation:

The Executive Director may determine that due to the range of duties or contractual obligations, it is more appropriate to assign a limited disclosure requirement. A clear explanation of the duties and a statement of the extent of the disclosure requirements must be in a written document. (Gov. Code Sec. 82019; FPPC Regulations 18219 and 18734.) The Executive Director's determination is a public record and shall be retained for public inspection in the same manner and location as this Conflict of Interest Code. (Gov. Code Sec. 81008.)

## **PART “B”**

### **DISCLOSURE CATEGORIES**

The disclosure categories listed below identify the types of economic interests that the designated position must disclose for each disclosure category to which the designated is assigned.<sup>3</sup> Such economic interests are reportable if they are either located in or doing business in the jurisdiction, are planning to do business in the jurisdiction, or have done business during the previous two years in the jurisdiction of the Authority.

Category 1: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that are located in, do business in, or own real property within the jurisdiction of the Authority.

Category 2: All interests in real property which is located in whole or in part within, or not more than two (2) miles outside, the jurisdiction of the Authority, including any leasehold, beneficial or ownership interest or option to acquire property.

Category 3: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that are engaged in land development, construction or the acquisition or sale of real property within the jurisdiction of the Authority.

Category 4: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that provide services, products, materials, machinery, vehicles or equipment of a type utilized by the Authority.

Category 5: All investments and business positions in business entities, and sources of income, including gifts, loans and travel payments, that provide services, products, materials, machinery, vehicles or equipment of a type purchased or leased by the Designated Position’s Department.

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<sup>3</sup> This Conflict of Interest Code does not require the reporting of gifts from outside this agency’s jurisdiction if the source does not have some connection with or bearing upon the functions or duties of the position. (Reg. 18730.1)

## Item 6C

### NATOA

3213 Duke Street, #695  
Alexandria, VA 22314  
703-519-8035  
jharman@natoa.org  
www.natoa.org

## INVOICE

### BILL TO

Hannah Shin-Heydon  
Public Cable Television  
Authority, CA  
10350 Fern Ave  
Stranton, CA 90680

**INVOICE #** 10-4153

**DATE** 10/16/2024

**DUE DATE** 01/31/2025

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
01/01/2025	<b>Deferred Dues</b>	Agency Membership Dues - Population 50,001 - 250,000 Agency - Population: Population 50,001-250,000	1	1,530.00	1,530.00
01/01/2025	<b>Deferred Assessment - Member Invoice</b>	Agency Annual Assessment (Optional Item, does not impact membership) Agency - Population: Population 50,001-250,000	1	940.00	940.00
01/01/2025	<b>Deferred Dues</b>	Seat 1 (Hannah Shin-Heydon) Agency Membership - Staff Seats	1	0.00	0.00
01/01/2025	<b>Deferred Dues</b>	Seat 2 (Carol Warren) Agency Membership - Staff Seats	1	0.00	0.00
01/01/2025	<b>Deferred Dues</b>	Seat 3 (Dr. Kimberly Ho) Agency Membership - Staff Seats	1	0.00	0.00

Your invoice lists all members receiving member benefits as part of your agency membership. To review or update current members, log-in to Member Compass and click on the People tab on the left. Contact kanderson@natoa.org if you have any questions.

**BALANCE DUE**

**\$2,470.00**

Dues paid to NATOA are not tax deductible as a charitable contribution. 80 percent of your dues may be deductible as a business expense. Pursuant to IRS Section 162(e), 20 percent of your dues is not tax deductible under any circumstances because it is used for lobbying activities.

Remit Check Payment to:

Item 6C

NATOA  
PO Box 45792  
Baltimore, MD 21297-5792

NATOA's FEDERAL TAX ID# is 52-1938715.

Thank you for supporting NATOA.

## Item 6D

### **PCTA Westminster Council Chamber AV & Teleproduction System Statement of Work**

Draft Rev 4.0 10-27-24

The Public Cable Television Authority (PCTA) in conjunction with the City of Westminster, CA (The City) is upgrading the City Council Chamber Audiovisual(AV) and Teleproduction(TV) Systems and is seeking bids from qualified vendors to furnish, integrate, and provide training and service post-installation.

Vendors must be manufacturer authorized to sell and install all equipment furnished.

The AV System will be comprised the following:

1. Crestron DM-NVX Source endpoints for AV System Computers which are then distributed via a Network Switch to Display and TV System Destination endpoints.
  - a. Source Endpoints:
    - i. Presentation PC
    - ii. Voting System PC
    - iii. Auxiliary "Clerk" Position PC
    - iv. TV Production System Program Feed
  - b. Destination Endpoints
    - i. 7- Dais Touch Monitor Positions (OFE ELO ET-1502L)
      1. A Single DM-NVX Decoder shall connect to a 1x8 HDMI Distribution Amplifier, which in turn connects to a 2x1 HDMI Relay Controlled Switch at each of the 7 Dais Position.
      2. Each Dais Position has a Local PC with a DisplayPort Output connected to the 2x1 HDMI Relay Controlled Switch mentioned above. These also have USB connected to the
      3. The Control System shall enable the Clerk or other operator to switch between the DM-NVX-360 Decoder signal (with programmable Dynamic Text Overlay) and the Local PC feeds to the Local Display.
    - ii. 2- Left and Right Side 85" Flat Panel Displays in the Chamber
      1. 2- DM-NVX-D30 Endpoints shall send selectable HDMI Video and provide Control Signals to these \*5" Displays.
    - iii. 1- 55" Flat Panel Display in the Lobby
    - iv. 1- 65" White Board in the Caucus Room (OFE)
      1. A DM-NVX-D30 Endpoint shall send a selectable HDMI Signal to this 65" Display.
    - v. 2- Production System Inputs
      1. Presentation Source PC
      2. Voting System PC
2. The Chamber Audio System shall consist of
  - a. Shure MX-418D/S Desktop Gooseneck Microphones with Local and Remote Mute Control capability.

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- i. All Microphones must be equipped with a 5pin XLR Connection to allow for quick disconnect in the event a changeout is required.
  - ii. 7- Council Dais Positions
  - iii. 2 – Clerk Positions
  - iv. 2- Staff Positions
  - v. 1- Presenter Position
  - vi. 1- Lectern Mic
- b. QSC QIO-ML4i Analog to Dante Audio Interfaces for all Desktop Gooseneck Microphones.
- c. 2- QSC QIO-GP8x8 I/O Logic Peripherals for Muting Logic Control.
- d. 1- OFE Sennheiser XS Wireless Handheld Wireless Microphone System.
- e. A Crestron Button Panel with Mute Functions for 4 Dais Positions, Lectern Mic “Kill” Switch and Master Mute Switch shall be located at the Center “Mayor” Dais Position.
- f. 2- QSC QIO-L4o Dante to Analog Audio Output Interfaces to feed 7- RDL Desktop Loudspeakers located on the DAIS, with a Mix-Minus Signal to each, Level Controlled by the Control System.
- g. A QSC Core110f Audio Digital Signal Processor shall be located in the Control Room. It will receive Dante network audio from the Peripheral Devices, as well as Analog Audio Output from 3- DM-NVX Decoders for the 3 PC Sources.
- h. Analog Audio Outputs of the QSC Core shall be sent to:
  - i. A QSC MP-A40V 4- Channel Flex Amp. This amplifier shall feed Speaker Zones as follows(4 outputs):
    1. Chamber Left and Right Main Speakers.
      - a. 4- QSC AD-S8T Loudspeakers, 2 on each side mounted behind the Acoustic Panels.
    2. Lobby Ceiling Loudspeaker (OFE)
    3. Caucus Room Ceiling Loudspeakers (OFE)
  - ii. 2 Outputs to feed L/R of Production Audio System Distribution and Audio to SDI Embedder.
  - iii. 1 Output to Feed a 3 XLR Output Audio Press Panel in Chamber Rear.
- i. Program Audio shall be embedded in the SDI Video Signal and distributed via the main SDI Video Router to various destinations including but not limited to:
  - i. Cablecast Video Server (OFE)
  - ii. Blackmagic Web Streamer
  - iii. Blackmagic Hyperdeck Recorder
- j. Program Audio prior to feeding to Cable Channel Distribution shall be routed through a Junger Easy Loudness Audio Signal Level Controller.
- k. A Blackmagic Audio Monitor shall provide selectable monitoring of Audio Signals via the Blackmagic 40x40 SDI Router or through Analog XLR and RCA Inputs.
- l. A Louroe ASK-4#101RM Confidence Microphone and Base Station System shall be installed with the Microphone in the Council Chamber to allow the Control Room to monitor audio in the Council Chamber with all microphones muted.

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- m. A 2 Channel Samson Servo 120A 52 Watt Per Channel Power Amp(OFE) shall feed to JBL Control 1 Pro Loudspeakers (OFE)
  - n. 2-Dorrough VU Meters (OFE) shall allow VU monitoring of the Program Signal.
  - o. A QSC TouchMix-16 Control Surface shall be installed in the Control Room to allow programmable manual level control of Microphones, Presentation Sources, Background Music, and Master Volume (Not limited to these signals)
3. Chamber Dais Digital Signs
- i. 7- Beetrnix 10” HDMI Monitors (plus 1 as a spare) shall be mounted to the Front Edge of the Dais.
  - ii. 7- Crestron DGE-100 Digital Graphic Engines shall be mounted below or in the Dais with PoE Ethernet in and HDMI out connected to the 7 Beetrnix 10” Displays.
  - iii. The Crestron Control System shall be programmed to allow:
    - 1. Meeting Type Selection of the names for the Digital Signs.
    - 2. Two Lines of Display, 1 Programmable for Member Name, and 2 Programmable for Member Position (eg: Mayor, City Attorney, etc.)
    - 3. The Programming shall allow the Font Size of each Digital Sign to be adjustable to allow for longer Member Names or Member Positions.
4. Chamber Lighting
- a. 3- Lite Panels Gemini 2x1 Hard Lighting Fixtures with Gemini 2x1 Barndoors and Gemini 2x1 Ultra Diffusers shall be mounted with 3- Kupo Junior Pin Receiver Plates on the Rear Soffit of the Council Chamber. These shall be installed facing up to the Ceiling of the Chamber to bounce the light off the Ceiling.
  - b. An ENTTEC DIN Ethergate MK2 Ethernet to DMX Converter shall be installed near the 1<sup>st</sup> Rear Gemini 2x1 Hard Light Fixture, powered over Ethernet, connected to the 1<sup>st</sup> fixture with a Bare Wire to DMX 5pin Cable, then DMX Daisy Chained to the remaining 2 fixtures with DMX 5pin Cables. This shall allow the Crestron Control System to control Power On/Off of the 3 Fixtures.
  - c. A Litepanel Bluetooth Dongle shall also be installed on each fixture to allow Bluetooth Control of the fixtures’ brightness and color temperature.
  - d. 110VAC Power shall need to be relocated from the existing Incandescent Light Fixtures to the Soffit Area. These existing fixtures shall be removed. Vendor to provide Electrical Contractor to perform this work.
5. Teleproduction System
- a. 5- JVC KY-PZ200 Pan/Tilt/Zoom, HD Cameras with SDI Output & NDI Network Capability.
    - i. 4 Dais Facing Cameras on the Rear Soffit
      - 1. Audience Left Side
      - 2. Center 1
      - 3. Center 2
      - 4. Audience Right Side
    - ii. 1 Audience Facing Camera
    - iii. JVC RM-LP100 Camera Remote Controller with Presets.

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- iv. Cameras shall be equipped with NDI Output to allow for remote network monitoring of Camera Signals.
  - b. Selectable Presentation and Vote PC Feeds converted to SDI.
  - c. ClassX Liveboard Character Generation for Titling and Graphics
    - i. Lower Thirds – Static or Animated Titles.
    - ii. Agenda Item Listing
    - iii. Full Screen Graphics
  - d. For-A HVS-190 Production Switcher outfitted with optional cards for 16 SDI Inputs, 4 SDI Outputs, Multiviewer Output, Redundant Power Supplies for Control Panel and Main Chassis.
  - e. 2 Blackmagic Designs Hyperdeck Studio HD Plus SSD Based Video Recorders
    - i. 1 for Playback of PreRecorded Media
    - ii. 1 for Backup Recording to SSD Card.
  - f. Courtyard Production System – to allow Recording or Live Transmission of Events in the Sunken Garden Park area. SDI Video signals are routed through the Blackmagic 40x40 VideoHub to the Production Switcher Video Inputs. Cameras/Tripods from the PCTA Truck are to be used.
    - i. 1- JVC/Multidyne 3 Camera Hybrid Fiber Base Station
    - ii. 3- JVC RCU Remote Control Panels
    - iii. 3- 164’ Hybrid Fiber Camera Cables on Reels
    - iv. Intercom and Tally functions to be incorporated into the integration of these cameras.
  - g. A Blackmagic 40x40 Video Hub shall route all Inputs and Outputs of most system devices including but not limited to:
    - i. Cameras
    - ii. Converted PC Sources (HDMI to SDI)
    - iii. Video Playback Source
    - iv. Video Server I/O
    - v. Production Switcher Inputs
    - vi. Production Switcher Program(HD and SD) and Preview.
    - vii. Backup SD Card Recorder
    - viii. Webstreamer
    - ix. Distribution to Cable Channels
    - x. Distribution to Granicus
    - xi. Control Room Monitors
  - h. An AJA FS-1X Frame Synchronizer shall be used to stabilize the Video/Audio SDI signal for feeds to Spectrum and Frontier Cable providers.
  - i. A Blackmagic Teranex SDI to Analog Converter shall be used to provide Analog Video and Audio Signals to Spectrum Cable.
- 6. Control System
  - a. Control Processor
    - i. A Crestron CP4 Control Processor shall be installed and programmed with custom programming to control system functions.
  - b. Touch Panels with Custom GUI Programming

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- i. Crestron TS-1070-B-S 10.1” Tabletop Touch Panel for the Clerk Position
    - ii. Crestron TSW-1070-B-S 10.1” Touch Panel mounted in a TSW-1070-RMK-2 Rackmount Kit for the Control Room.
    - iii. xPanel Virtual Control Panel to be used from Network Accessible Locations.
  - c. GUI Programming
    - i. A Custom Graphic User Interface(GUI) shall be developed in conjunction with City personnel to provide control over the following (but not limited to) functions:
      1. Password Protected
      2. Meeting Start/Stop
      3. Meeting Type Control
        - a. Council
        - b. Planning Commission
        - c. Other Commissions
      4. Meeting Participants and Positions with Font Size Adjustment.
      5. Individual Microphone Muting and Volume Control
      6. Presentation Source Muting and Volume Control
      7. Chamber Dais Loudspeaker Muting and Volume Control
      8. Chamber Room Loudspeaker Muting and Volume Control
      9. Master Muting and Volume Control
      10. Presentation Source Select
      11. Chamber Left/Right Room Display On/Off/AV Muting
      12. Lobby Display On/Off/AV Muting
      13. Dais Monitor Input Select: Voting Mode vs. Presentation
      - ~~14. Monitor Timer Display On/Off/Time Settings. Independent or Linked Control for Chamber L/R Room and Caucus Room Displays.~~
      15. Chamber Television Light Control
      16. Backup Recorder Start/Stop Control
      17. UPS Backup System Status
7. Network
  - a. A Netgear M4300-52G-PoE+ 48x1G PoE+ 591W, 2x10G, 2xSFP+ Managed Switch shall be provided to handle all Control, DSP, and AV Network devices.
  - b. Netgear Engage software shall be employed to provide configuration profiles for all AV Network Devices.
8. Production Console and Control Room Racks
  - a. A 5-Bay Wide Laguna Designs 18” Deep Base Delta Console with 6 RU Flat Top Turrets, 18” 5-Bay Work Surface, Casters, 4 Articulating Monitor Arms, and 2- Articulated Loudspeaker Mounts shall be provided for the Main Console.
  - b. A 2-Bay Wide Laguna Designs 22” Deep Base Delta Console with 2- 9U Turrets, 18” Deep Work Surface and Casters shall be provided as an Engineering Station.
  - c. 2- OFE 44RU (40RU Usable) Vertical Equipment Racks shall be used to house most system equipment.
  - d. 2- Middle Atlantic UPX-RLNK-OL2000R-2 Uninterruptible Power Supplies shall be furnished, 1 in each 44 RU rack to provide backup conditioned power.

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### 9. General

- a. The Existing Cablecast System (VIO2, VOD, and Live Servers) along with a Raritan KVM Switch/LCD Display shall be re-used and must remain online during the new system installation.
- b. The Existing Granicus Encoder, Spectrum and Frontier Transmitters shall be re-used. This equipment shall be moved from the existing Hush Rack to the Vertical Equipment Racks.
- c. System Training
  - i. A training syllabus for all installed systems to be provided to and approved by the City prior to any scheduled training. The various types of training are detailed below.
    1. End-User – to review basic operation of the installed systems, no more than 2 Hours
    2. Technical Operator – to review all aspects of system operation 2- four hour sessions.
    3. System Administrator - to review network and system configurations as well as details of system architecture. 2- four hour sessions.
- d. System Support
  - i. It is expected that the successful vendor shall be present for the full duration of the 1<sup>st</sup> 2 Meetings where the new system is being used.
  - ii. Vendor must provide 1 year of System Technical Support after System Sign-Off. This shall include:
    1. 4 Hour Onsite Response to Reported Technical Issues
    2. Telephone Technical Support from 2 Hours Prior to anytime during a Meeting (Council or Planning Commission)
  - iii. Support plans after the initial 1 year shall be considered.
- e. System Documentation to be provided as follows:
  - i. Two versions of a Quick Reference Guide(QRG) for all systems.
    - a. One QRG designed for Technical Operators covering Main System Configurations, System Operations, Recommended Routine Preventive Maintenance, and an overview of Troubleshooting Procedures.
    - b. One QRG designed for Non-Technical System Operators highlighting typical Room Operating Procedures and Checklists for Meeting, and Broadcast Production Operations.
  - ii. 2- Hard Copy As-Built Drawing Sets in Architectural D format.
    1. Video, Audio, Control, Power Systems
    2. Rack Elevations
  - iii. Electronic PDF versions.
  - iv. Crestron Source Code for Control Processor and Touch Panels shall become the property of PCTA and the City of Westminster. Electronic versions to be provided.

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- v. QSC QSYS DSP Code shall become the property of PCTA and the City of Westminster. Electronic versions to be provided.
- vi. A spreadsheet of all equipment with Manufacturer, Model Number, Serial Number, System Location, IP Addressing, Username and Password login information, Length and Expiration of Warranty.
- vii. All Equipment to be tagged with specific system ID number referenced to the system documentation.
- viii. Cables are to be labeled with Source and Destination, Location, Equipment ID, and discrete Cable number referenced to the system documentation.
- ix. System commissioning and signal path verification information.

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## PCTA- CITY OF WESTMINSTER COUNCIL CHAMBER AV & TELEPRODUCTION REFRESH

PREPARED BY: VIDIFLO, LLC  
Draft 5.0 11-13-24

ITEM	QT	MFR	MODEL	DESCRIPTION	MSRP	EXT MSRP	SIMPLE DESCRIPTION	LOCATION
1	5	JVC	KY-PZ200NWU	20X 1080P STREAMING PTZ CAMERA WITH NDI, 3G-SDI/HDMI/USB/IP OUTPUT (WHITE)	\$1,199.00	\$5,995.00	PTZ Cameras for Chamber - 4 Front Facing, 1 Rear Facing	Chamber
2	1	JVC	RM-LP100U	REMOTE CAMERA CONTROLLER	\$2,130.00	\$2,130.00	7-inch (diagonal) Touch Screen Controller for PTZ and CCU functions	Chamber
3	1	FOR-A	HVS-190S TYPE A	1 M/E 8 Input Production Switcher, Includes: HVS-190OU, HVS-190ED, HDS-190SPSM, HVS-190PSO) "Hanabi" 1M/E Switcher 3G/HD, Main unit	\$13,050.00	\$13,050.00	Production Switcher for Control Room	Control Room
4	2	FOR-A	HVS-100DI-A	4 Channel Digital Input Card	\$1,950.00	\$3,900.00	4 SDI Input Expansion	Control Room
5	1	FOR-A	HVS-100DO	Additional 2 SDI Output Card w/ Down Converted SD-SDI outputs	\$1,950.00	\$1,950.00	SDI Output Expansion	Control Room
6	1	FOR-A	ClassX LB LE HD	Complete Turnkey 1U rack mount workstationClassX LiveBoard LE2D graphics suite option MoreCG/CastaliaCG Redundant power supply, Intel core CPU, Dual NIC and 4 SDI I/O with Ref input. Includes a 3-Year Extension Software Maintenance Agreement - Exclusive dedicated support, updates and continuous fixes, improvements and new functionalities, technical support through Skype/E-mail, remote assistance, best software/hardware configurations, priority responses to error reports, upgrades to new versions.	\$14,300.00	\$14,300.00	Production Lower Third and Full Screen Graphics Generator	Control Room
7	1	FOR-A	Online Com 4	Online commissioning and Technical Support, four (4) hours; Will be invoiced on first shipment.	\$900.00	\$900.00	4 Hours of Online Commissioning and Tech Support.	Control Room
8	1	FOR-A	Online Train 8	Online training and Technical Support, eight (8) hours; Will be invoiced on first shipment.	\$1,600.00	\$1,600.00	8 Hours of Online Training and Tech Support	Control Room
9	1	NETGEAR	GSM4352PB	M4300-52G-PoE+ 48x1G PoE+ 591W, 2x10G, 2xSFP+ Managed Switch	\$4,295.00	\$4,295.00	Power over Ethernet Network Switch	Control Room
10	1	JVC	FS-900BS1S	MULTIDYNE Fiber 3-in-1 Base Station (Neutrik)	\$18,340.00	\$18,340.00	3 Camera Fiber Base Station	Control Room
11	3	JVC	RM-LP25U	Remote Controller for JVC ENG/Studio Camcorders	\$3,850.00	\$11,550.00	Remote Control Unit for Production Cameras	Control Room

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12	3	TECNEC	HF-TROCSMPT-0164	Complex HF-TROCSMPT-0164 opticalCON DUO SMPTE 311M Single Mode Fiber Optic Tactical Cable on Reel - 164 Foot	\$1,956.00	\$5,868.00	165' Camera Cables on Reels	Control Room
13	5	QSC	QIO-ML4i	Q-SYS peripheral providing 4 mic/line inputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.	\$730.00	\$3,650.00	4 Input Audio Expander	Chamber
14	2	QSC	QIO-L4o	Q-SYS peripheral providing 4 line outputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.	\$560.00	\$1,120.00	4Output Audio Expander	Chamber
15	2	QSC	QIO-GP8x8	Q-SYS peripheral providing control expansion with 8 logic inputs and 8 logic outputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.	\$455.00	\$910.00	Microphone Logic Control Interface	Chamber
16	2	QSC	QIO-PSU	Power Supply for QIO Devices	\$185.00	\$370.00	Local Power Supply for Audio Endpoints	Chamber
17	1	QSC	Core 110f-V2	Unified Core with 24 local audio I/O channels, 128x128 total network I/O channels with 8x8 Software-based Dante license included, USB AV bridging, dual LAN ports, POTS and VoIP telephony, no GPIO, 16 next-generation AEC processors, 1RU.	\$4,210.00	\$4,210.00	Audio Digital Signal Processor	Control Room
18	1	QSC	MP-A40V	800W FlexAmp technology Hi-Z / Lo-Z amplifier, 4 x 200W into 4Ω, 8Ω, 70V and 100V, Highpass filter per channel, GPIO for Remote Standby and Amp Status.	\$1,910.00	\$1,910.00	Audio Power Amplifier for Chamber, Lobby and Caucus Room Speakers	Control Room
19	4	QSC	AD-S8T-WH	8-inch 2-way, 105° conical DMT™	\$680.00	\$2,720.00	8-inch 2-way, 105° conical DMT™	Chamber
20	1	QSC	TOUCHMIX-16	Touch-screen digital audio mixer with 16 mic/line inputs, 2 stereo inputs, 4 effects, 6 mono aux sends, 2 stereo aux sends.	\$2,123.00	\$2,123.00	Audio Mixer for Control Room	Control Room
21	1	QSC	TMR-1	TouchMix-16 and TouchMix-8 Rack Mounting Kit/ BLK.	\$138.00	\$138.00	Rackmount Kit for Above	Control Room
22	7	RDL	DB-PSP1F	Active Decora Loudspeaker	\$338.11	\$2,366.77	Loudspeakers for Dais Positions (Use Existing Boxes)	Chamber
23	1	RDL	PS-24KS	24V, 1 Amp DC Power Supply	\$56.02	\$56.02	Power Supply for Dais Loudspeakers	Chamber
24	1	Crestron	DMF-CI-8	Rack Mount Card Frame for DM-NVX Cards	\$2,200.00	\$2,200.00	Rack Card Frame for Mounting DM-NVX Cards	Control Room
25	2	Crestron	DM-NVX-E30C	DM NVX® 4K60 4:4:4 HDR Network AV Encoder Card	\$1,430.00	\$2,860.00	AV over IP Encoder Card for Program Video and Aux Video feed into NVX System	Control Room
26	3	Crestron	DM-NVX-E30	DM NVX® 4K60 4:4:4 HDR Network AV Encoder	\$1,430.00	\$4,290.00	AV over IP Encoders for Clerk PC Output, Presentation PC, VOTE PC,	Chamber
27	3	Crestron	DM-NVX-D30C	DM NVX® 4K60 4:4:4 HDR Network AV Decoder Card	\$1,430.00	\$4,290.00	AV over IP Decoders for 3 Production Switcher Feeds	Control Room

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28	6	Crestron	DM-NVX-D30	DM NVX® 4K60 4:4:4 HDR Network AV Decoder	\$1,430.00	\$8,580.00	AV over IP Decoders for Zoom PC Input, Lobby Overflow Display, 2 Chamber Displays and Presentation Display Feed, and Caucus Room Display.	Chamber, Caucus Rm, Lobby
29	7	Crestron	DGE-100	Digital Graphics Engine 100	\$2,200.00	\$15,400.00	Graphics Engine for the Digital Nameplates at the Dais	Chamber
30	1	Crestron	CP4	4-Series Control System	\$2,200.00	\$2,200.00	System Control Processor	Control Room
31	1	Crestron	TSW-1070-B-S	10.1 in. Wall Mount Touch Screen, Black Smooth	\$3,388.00	\$3,388.00	Touch Panel for Control Room	Control Room
32	1	Crestron	TSW-1070-RMK-2	Rack Mount Kit for TSW-1070 Series	\$220.00	\$220.00	Rackmount Kit for Above	Control Room
33	1	Crestron	TS-1070-B-S	10.1 in. Tabletop Touch Screen, Black Smooth	\$3,630.00	\$3,630.00	Touch Panel for Clerk Position	Chamber
34	1	Crestron	DIN-CENCN-2-POE	Ethernet to CRESNET Interface	\$660.00	\$660.00	Interface for Mute Button Panel	Chamber
35	1	Crestron	C2N-CBD-P-B-T	Cresnet Button Control Panel	\$396.00	\$396.00	Mute Button Panel	Chamber
36	4	Crestron	CB3-BTNB-T_ENGRAVED	Custom Engraved Buttons for Mute Panel	\$12.00	\$48.00	Engraved Buttons for Mute Panel	Chamber
37	1	Crestron	CEN-IO-RY-104	Wired Ethernet Module with 4 Relay Ports	\$408.00	\$408.00	Relay Switch for Dais Display HDMI Input	Chamber
38	1	Atlona	AT-RON-448	1 x 8 HDMI Distribution Amplifier	\$700.00	\$700.00	HDMI Distribution for Dais Displays	Chamber
39	7	Kramer	VS-211H2	2x1 HDMI Switch with Relay Control	\$350.00	\$2,450.00	HDMI Switch for Dais Display Input	Chamber
40	8	Beetronix	10HD7	10" HDMI Monitor	\$319.00	\$2,552.00	Monitors for Digital Nameplates - (1 Spare)	Chamber
41	1	ENTTEC	DIN Ethergate Mk2	Ethernet to DMX Converter	\$250.00	\$250.00	Ethernet to DMX Converter to allow Crestron to control Gemini 2x1 Lights.	Chamber
42	1	SuperBrightLED S	DMX5F-PT	XLR5 Female to Pigtail Adapter - DMX Adapter - 3.3'	\$11.00	\$11.00	DMX Cable from ENTTEC unit to 1st Litepanel Fixture	Chamber
43	2	Chauvet	DMX5P25FT	5-Pin DMX Cable -M-F 25 Foot	\$30.00	\$60.00	DMX Cable between Light Fixtures 2 & 3	Chamber
44	3	Litepanels	Gemini 2x1 Hard	LED Light Panel Fixture	\$6,400.00	\$19,200.00	LED Lights for Chamber	Chamber
45	3	LitePanels	900-3603	Gemini Barn Doors	\$410.00	\$1,230.00	Barn Doors for Above	Chamber
46	3	LitePanels	908-0001	Bluetooth Dongle for Gemini	\$135.00	\$405.00	Bluetooth Connectivity for Gemini Lights	Chamber
47	3	Kupo	KG003712	Junior Pin Receiver Mount	\$30.00	\$90.00	Mount for Light Fixture to Soffit	Chamber
48	2	Samsung	QN85QN90DAFXZA	85" Display	\$3,500.00	\$7,000.00	85" Displays L&R Sides	Chamber
49	2	Samsung	QN50QN90DAFXZA	50" Display	\$1,199.00	\$2,398.00	50" Display for Lobby and Control Room Multiview	Lobby and Control Room
50	3	Chief	LTM-1U	Tilt Mount for Displays	\$384.00	\$1,152.00	Display Mounts	Chamber & Lobby
51	1	BLACKMAGIC DESIGN	HDL-SMTV4K12G3	SmartView 4K 15.6-Inch Ultra HD Broadcast Rackmount Monitor with 12G-SDI	\$1,265.00	\$1,265.00	Rackmount Video System Monitor	Control Room
52	2	Marshall	ML-702	Dual 7" Video Monitor	\$822.00	\$1,644.00	7" Monitors for Production Rack	Control Room
53	1	Marshall	V-702W	Dual 7" 3RU Rack Monitor with Waveform	\$1,325.00	\$1,325.00	7" Monitors for Engineer Rack	Control Room
54	1	BLACKMAGIC DESIGN	VHUBSMAS12G4040	40x40 SDI Matrix Routing Switcher	\$3,995.00	\$3,995.00	SDI Routing Switcher	Control Room
55	2	BLACKMAGIC DESIGN	HYPERD/ST/DCHP	HyperDeck Studio HD Plus Half-rack 2160p30 Recorder	\$695.00	\$1,390.00	Solid State Video Recorder, 1 for Backup, 1 for Media Playback	Control Room
56	2	BLACKMAGIC DESIGN	CONVNTRM/YA/RSU	Teranex Mini 1RU Rack Shelf for up to 3 Converters	\$115.00	\$230.00	Shelf for Above	Control Room
57	1	BLACKMAGIC DESIGN	HDL-AUDMON1RU12GG3	Analog / AES/EBU and SDI Audio Monitoring	\$1,295.00	\$1,295.00	Audio Monitor in Control Room	Control Room
58	3	PROGRADE	512 V90 C10	512GB SD Card for Hyperdeck Studio	\$500.00	\$1,500.00	SD Cards for Hyperdeck Studio Recorder	Control Room
59	1	AJA	FS-1X	SDI Frame Synchronizer	\$4,399.00	\$4,399.00	Video Stabilizer for Channel Output	Control Room
60	1	BLACKMAGIC DESIGN	CONVNTRM/BA/SDIAN	Teranex Mini - SDI to Analog 12G Video	\$545.00	\$545.00	Video Downconverter to feed Spectrum Cable	Control Room

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61	1	BLACKMAGIC DESIGN	CONVNTRM/CB/AUSDI	Teranex Mini Converter - Audio to SDI 12G	\$545.00	\$545.00	To Embed Program Audio into SDI Stream	Control Room
62	2	BLACKMAGIC DESIGN	CONVNTRM/YA/SMTPN	Teranex Mini Smart Control Panel	\$89.00	\$178.00	Front Panel Control for Above	Control Room
63	1	Datavideo	CAP-1	SDI to USB 3.0 Capture Device	\$329.00	\$329.00	SDI to USB Converter for UVC Meetings	Chamber
64	1	JUNGER	EASY LOUDNESS	Audio Signal Level Controller	\$5,475.00	\$5,475.00	To Keep Audio Program Levels Consistent	Control Room
65	1	Denon	DN-300ZB	Media Player with Bluetooth Receiver & AM/FM Tuner (Balanced)	\$449.00	\$449.00	Media Player for Background Music	Control Room
66	1	AJA	OG-X-FR	OpenGear Rack Frame	\$1,956.00	\$1,956.00	Card rame for Media Converters	Control Room
67	1	AJA	OG-X-PS	Redundant Power Supply for Frame	\$891.00	\$891.00	Redundant Power Supply for OpenGear Frame	Control Room
68	2	AJA	OG-HI5-4KPLUS	openGear 4K/Ultra 3G-SDI to HDMI 2.0 Converter with Rear Connector Panel	\$835.00	\$1,670.00	SDI to HDMI Converter Card -PGM & Aux Signal Feeds into Crestron NVX System	Control Room
69	3	AJA	OG-HA5-4K	openGear 4K/UltraHD/2K/HD/SD HDMI 2 to 3G-SDI Converter with Rear Connector Panel	\$835.00	\$2,505.00	HDMI to SDI Converter Card- PC Signal Feeds From Crestron NVX to SDI Production Signals	Control Room
70	1	AJA	OG-3GDA-2X4	openGear 2x4 or 1x8 3G-SDI Reclocking DA - DashBoard Support - with Rear Connector Panel	\$695.00	\$695.00	SDI Distribution Amp	Control Room
71	1							
72	1	COBALT DIGITAL	ROYAL 9910DA-AV-EQ	openGear 1 x 8 Analog Video DA for Tri-Level Sync Distribution	\$442.00	\$442.00	Analog Sync Distrbution Amp	Control Room
73	1	COBALT DIGITAL	RM20-9910-AV-B	Rear Connector Panel for Above	\$132.00	\$132.00	Connector Panel for Above	Control Room
74	1	ROSS	SPG-8260-R2	openGear Sync Pulse Generator with Rear Connector Panel	\$2,699.00	\$2,699.00	Master Sync Generator	Control Room
75	1	ROSS	ADA-8405-C-R2CS	openGear Analog Audio and Timecode DA with Remote Gain and Split Rear Module	\$630.00	\$630.00	Dual Channel OpenGear Audio Distribution Amplifier	Control Room
76	1	Digital Forecast	X TS PACK V3	Video and Audio Troubleshooter and Cross Converter Hard Case Bundle	\$1,499.00	\$1,499.00	Portable Signal Analyzer	Various
77	1	RDL	ST-DA3	1 x 3 Line Level Audio Distribution Amplifier	\$249.00	\$249.00	Audio Distribution Amp for Press Box	Chamber
78	1	RDL	PS-24V	Power Supply for STM-DA3	\$26.00	\$26.00	Power Supply for Audio DA	Control Room
79	1	TecNec	Custom	3- XLRM Connector Press Panel	\$200.00	\$200.00	XLR Press Panel	Chamber
80	1	LOUROE	ASK-4#101RM (LE-018)	SINGLE ZONE RACKMOUNT BASE STATION W/ VERIFACT B MIC	\$544.00	\$544.00	Confidence Ceiling Mic System to Hear Room Audio with all Mics Muted	Ctrl Rm & Chmbr
81	1	VIEWSONIC	VP2468 H2	24" ColorPro™ 1080p Dual Pack Head-Only IPS Monitors with Daisy Chain	\$445.00	\$445.00	Computer Displays for Graphics PC & Cablecast Control	Control Room
82	1	ERGOTRON	45-248-026	LX Dual Stacking Arm - Dual Desktop Monitor Mount	\$517.00	\$517.00	Articulating Dual Display Mount for Above	Control Room
83	1	TBD	WINDOWS PC	Windows PC for Engineer/Tech	\$1,300.00	\$1,300.00	Windows PC for Technician	Control Room
84	1	BARCO	Clickshare C-10	Wireless Video Presentation System	\$1,325.00	\$1,325.00	Wireless Video Presenter System, "Button" & App Based.	Chamber
85	1	Laguna Designs	Custom	Production Console	\$15,000.00	\$15,000.00	Production Console	Control Room
86	2	Middle Atlantic	UPX-RLNK-OL2000R-2	20 Amp Online UPS Backup Power System, Bank Outlet Control with Network Control	\$4,700.00	\$9,400.00	UPS Backup Power Units for Control Room Racks	Control Room
87	1	Various	Installation Materials	Cables, Connectors, Hardware	\$7,500.00	\$7,500.00	System Installation Materials	

# Item 6D

Sub-Total: \$263,708.79  
Enter Sales Tax: 9.25% \$24,393.06  
Freight: \$3,000.00 Estimate  
Total: \$291,101.85

88	1	VENDOR	ENGINEERING, PROGRAMMING, INSTALLATION, TRAINING, - ESTIMATE		\$75,000.00	Estimate
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**Grand Total: \$366,101.85**