



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **12499** | Service: **DTV** | Call **WPSG** | Channel: **33 (UHF)** |
ID: | Sign:
File **0000027372**
Number:
FRN: **0003742608** | Date **10/21**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
PHILADELPHIA TELEVISION STATION WPSG, INC.	Daniel G. Ryson 1725 DESALES ST NW SUITE 501 WASHINGTON, DC 20036 United States	+1 (202) 457- 4074	DRYSON@CBS. COM	Corporation

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Daniel G Ryson <i>Associate Director of Spectrum Management</i> <i>CBS</i>	Daniel G. Ryson 1725 DeSales Street NW Suite 501 Washington, DC 20036 United States	+1 (202) 457- 4074	dryson@cbs. com

**Broadcaster
Information
and
Transition
Plan**

Question		Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.		Yes
Briefly describe transition plan		New side mount antenna for interim use will be installed on tower ASR 1023152 while new top mount stacked UHF ch 33 antenna is mounted on tower ASR 1035474.

Transmitters

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Sigma CD200P2
	Year	1999
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTED-100
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	63.4 kW
	Justification for New Transmitter	Manufacturer cannot retune any IOT transmitters (Attachment 1). See Statement and Attachments 7 and 35 for additional justification. A smaller ULXTED-80 is "comparable" under the one power-level step increase policy.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
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Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	75.0 feet
	Other Electrical Service	Yes
	Description	100 feet each of two-inch and three-inch conduit.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
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Electrical Accessories	150 kVA Transformer and Parallel Surge Suppressor. Required for reliable operation of primary transmitter. See Attachment 19A, Item D.
Shipping	Transmitter Shipping. See Attachment 19A, Page 1.
RF Accessories, Switching	Various RF Accessories and Inside RF Switching required by repack transmitter. See Attachment 19A, Item C.

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	Maxiva ULXTE-40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25 kW
	Justification for New Transmitter	Interim transmitter for UHF 32 use while main transmitter, antenna, and T/L are replaced for operation on UHF 33.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	4 inches

	Length	50.0 feet
	Other Electrical Service	Yes
	Description	One hundred feet each of two-inch and three-inch conduit.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
Shipping	Transmitter Shipping. See Attachment 4, Page 1.
RF Accessories	Various RF Accessories required by repack transmitter. See Attachment 4, Item C.

Electrical Accessories

150 kVA Transformer and Parallel Surge Suppressor. Required for reliable operation of primary transmitter. See Attachment 4, Item D.

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	800.0 kW

Manufacturer	
Model	TFU- 26GTH-R- C190SP
Year	1999

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	800.0 kW
	Manufacturer	

Model	TFU-24ETT /VP-R 4C150
Year	2019
Justification for New Antenna	Existing antenna cannot be retuned.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
Feed Through Components	Elbows, cut lengths and hangers required to route transmission line from antenna input through antenna below into tower. See Attachment 5.
Wedding Cake Adapter	Mechanical adapter for top mounting in a stack. See Attachment 5.

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	190.6 kW
	Manufacturer	
	Model	TFU-16WB /VP C160
	Year	2018

	Justification for New Antenna	Off site use due to construction of post transition facility.
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**Interim
Antenna**

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Interim
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary
Transmission Line**

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1241 feet per run

Primary **New Transmission Line**
Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1386 feet per run
	Justification for New Transmission Line	Existing segments incorrect match for new channel.

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line

Information not provided.

Interim
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	800 feet per run
	Justification for New Transmission Line	New interim site requires new T/L

Interim
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

**Tower
Equipment
And
Rigging
Costs**

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

**Auxiliary
Tower**

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Post-Transition Primary
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1035474
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 02' 33.0" N-
	Longitude (NAD83)	075° 14' 32.0" W-
	Overall Structure Height	1276.23 feet
	Support Structure Height	1272.95 feet

	Ground Elevation Above Mean Sea Level (AMSL)	242.78 feet
	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	ABC, INC. DBA = WPVI-TV
	Date Constructed	10/23/1998

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
25453	KYW-TV	DTV
8616	WPVI-TV	DTV

Auxiliary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	No reinforcements needed

Auxiliary Tower

Tower Rigging Costs

Section	Question	Response
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Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

**Auxiliary
Tower**

Other Tower Expenses Not Listed

Information not provided.

Auxiliary Tower

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Interim
	Ownership	Leased
	Is this tower consider Complex?	
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1023152
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 02' 39.0" N-
	Longitude (NAD83)	075° 14' 25.0" W-
	Overall Structure Height	1116.13 feet
	Support Structure Height	1112.85 feet
	Ground Elevation Above Mean Sea Level (AMSL)	252.29 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

	Tower Owner	ABC INC DBA = WPVI-TV
	Date Constructed	01/01/1957

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
8616	WPVI-TV	DTV
25453	KYW-TV	DTV

Auxiliary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

Auxiliary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Other
Helicopter Services Required	Are helicopter services required?	No

**Auxiliary
Tower**

Other Tower Expenses Not Listed
Information not provided.

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1231524
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 02' 30.1" N-
	Longitude (NAD83)	075° 14' 10.1" W-
	Overall Structure Height	1254.91 feet
	Support Structure Height	1124.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	292.98 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes

	Tower Owner	Global Tower, LLC. through American Towers, LLC
	Date Constructed	11/02/2011

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
9622	WOGL	FM
60560	WUVP-DT	DTV
51984	WPPX-TV	DTV
1283	WDPN-TV	DTV
28480	WPPT	DTV
65190	WRTI	FM
63153	WCAU	DTV
74213	WXTU	FM
28628	WIP-FM	FM
51434	WTDY-FM	FM
7623	WGTW-TV	DTV
30572	WPHI-FM	FM
12211	WPPZ-FM	FM

**Primary
Tower**

Tower Modification Costs

Section	Question	Response
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Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	No reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Site Coordination Meeting	Site coordination meetings with tower owner, other broadcasters, contractors, and vendors involved with the site deliveries and construction. See Attachment 9 Line 1-B-1.
Tower Project Management	Project management fee from tower owner. Scheduling and management of the timelines and schedules occurring during the repack. See Attachment 9 Line 1-A-1.
Structural Engineering	Rigorous Structural analysis to access the structural capacity and modifications needed to accommodate the repacked equipment. See Attachment 9 Line 3-A-1.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	250
	Explanation	Company lacks sufficient internal resources.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare and file Form FCC License to Cover Application	No

	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	No
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs **Other Professional Services Expenses Not Listed**

Services not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	No
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other
Expenses**

Other Expenses Not Listed

Name	Description
Interim Bldg. Electrical Contractor	Interim Building Electrical Contractor.
Interim Bldg. Fire Detection	Interim Building Fire Detection & Suppression System.
Interim Bldg. GC and Mech. Contractor	Interim Building General Contractor and Mechanical Subcontractor
STL to Interim Site	Studio to Transmitter Link Hardware.
FCC Filing Fee - STL	FCC Filing Fee for Studio Transmitter Link Microwave

Cost Information

Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter Maxiva ULXTE-40	\$1,220,343.36	\$1,045,356.88		\$580,037.92	
5 Ton system	\$20,250.00	\$19,250.00	Widely Cost Catalog estimate	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$780,763.52	See Attachment 2, Items A, B, and E.	\$551,556.80	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$5,050.00	\$4,800.00	N/A	N/A	N/A
Other Electrical Service: One hundred feet each of two-inch and three-inch conduit.	<i>\$7,400.00</i>	\$7,400.00	Required to power transmitter equipment.	N/A	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	N/A	N/A
Shipping	<i>\$7,700.00</i>	\$7,700.00	Transmitter Shipping. Please see Attachment 4, Page 1.	N/A	N/A

RF Accessories	\$78,062.54	\$78,062.54	RF Accessories Required for Transmitter. Please See Attachment 4, Item C.	\$26,020.85	N/A
Electrical Accessories	\$7,380.82	\$7,380.82	Transmitter Electrical Accessories. Includes Step-Down Transformer and Surge Suppressor. See Attachment 4, Item D.	\$2,460.27	N/A
Primary Transmitter ULXTED-100	\$1,932,170.16	\$1,930,795.16		\$1,631,594.87	
RF Accessories, Switching	\$232,458.05	\$232,458.05	RF Accessories and Switchless Combiner. Replaces Similar Existing Combiner. See Attachment 19A Item C.	\$232,458.05	N/A

UHF - Liquid Cooled Solid State Transmitter 63.4 kW	\$1,128,755.27	\$1,128,755.27	Estimated cost is in addition to already-reimbursed \$502,839.60 from prior transmitter cost category, which is now closed due to change in primary transmitter model number.	\$880,704.98	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$7,575.00	\$7,200.00	N/A	N/A	N/A
5 Ton system	\$20,250.00	\$19,250.00	Widely Cost Catalog estimate	N/A	N/A
Electrical Accessories	\$15,592.24	\$15,592.24	Transmitter Electrical Accessories. Includes Step-Down Transformer and Parallel Surge Suppressor. See Attachment 19A - Item D.	\$15,592.24	N/A
Other Electrical Service: 100 feet each of two-inch and three-inch conduit.	\$7,400.00	\$7,400.00	100 feet each of two-inch and three-inch conduit. Widely Cost Catalog pricing used.	N/A	N/A

Shipping	\$17,300.00	\$17,300.00	Transmitter Shipping from Factory. See Attachment 18, Page 1.	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 50.6 kW	\$502,839.60	\$502,839.60	***System Notice: Estimate adjusted and locked because line has been superseded. ***This cost is for an IOT transmitter capable of meeting the HPol-only ERP. See Engineering Statement, Attachment 3, and Attachment 7.	\$502,839.60	N/A
Sub-total	\$3,152,513.52	\$2,976,152.04	N/A	\$2,211,632.79	N/A
Total for all systems	\$6,735,728.09	\$5,493,660.21	N/A	\$2,976,689.19	N/A

Components

Actual Information Description	File Name
5 Ton system	Information not provided.

<p>UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW</p>	<table> <tr> <td data-bbox="713 174 1023 210">Component Description:</td><td data-bbox="1158 174 1378 365">1/3 Down Payment, Interim Transmitter. See Quote Provided as Attachment 4.</td></tr> <tr> <td data-bbox="713 376 826 412">Amount:</td><td data-bbox="1158 376 1305 412">\$291,302.29</td></tr> <tr> <td data-bbox="713 517 1023 553">Component Description:</td><td data-bbox="1158 517 1362 981">1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the transmitter, mask filter, and installation is shown here.</td></tr> <tr> <td data-bbox="713 992 826 1028">Amount:</td><td data-bbox="1158 992 1305 1028">\$260,254.51</td></tr> </table>	Component Description:	1/3 Down Payment, Interim Transmitter. See Quote Provided as Attachment 4.	Amount:	\$291,302.29	Component Description:	1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the transmitter, mask filter, and installation is shown here.	Amount:	\$260,254.51
Component Description:	1/3 Down Payment, Interim Transmitter. See Quote Provided as Attachment 4.								
Amount:	\$291,302.29								
Component Description:	1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the transmitter, mask filter, and installation is shown here.								
Amount:	\$260,254.51								
<p>4" Rigid Conduit and Wiring (Cost per foot)</p>	<p>Information not provided.</p>								
<p>Other Electrical Service: One hundred feet each of two-inch and three-inch conduit.</p>	<p>Information not provided.</p>								
<p>UHF inside RF system including switching</p>	<p>Information not provided.</p>								
<p>Shipping</p>	<p>Information not provided.</p>								

RF Accessories	<div data-bbox="703 174 1428 566"> <div data-bbox="703 174 1023 208">Component Description:</div> <div data-bbox="1158 174 1428 566"> 1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the RF Accessories are shown here. </div> </div> <div data-bbox="703 577 1428 611"> <div data-bbox="703 577 826 611">Amount:</div> <div data-bbox="1158 577 1428 611">\$26,020.85</div> </div>
Electrical Accessories	<div data-bbox="703 754 1428 1146"> <div data-bbox="703 754 1023 788">Component Description:</div> <div data-bbox="1158 754 1428 1146"> 1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the Electrical Accessories are shown here. </div> </div> <div data-bbox="703 1158 1428 1191"> <div data-bbox="703 1158 826 1191">Amount:</div> <div data-bbox="1158 1158 1428 1191">\$2,460.27</div> </div>

RF Accessories, Switching	<div data-bbox="718 168 1372 526"> <p>Component Description: Transmitter Progress Payment. See Attachment 36 and Attachment 19A - Revised Transmitter Quote Q-80768.</p> <p>Amount: \$112,857.41</p> </div> <div data-bbox="718 627 1372 985"> <p>Component Description: Transmitter Progress Payment. See Attachment 35 and Attachment 19A - Revised Transmitter Quote Q-80768.</p> <p>Amount: \$119,600.64</p> </div>
UHF - Liquid Cooled Solid State Transmitter 63.4 kW	<div data-bbox="718 1120 1372 1478"> <p>Component Description: Transmitter Payment Three. See Attachment 36 and Attachment 19A - Revised Transmitter Quote Q-80768.</p> <p>Amount: \$427,578.57</p> </div> <div data-bbox="718 1579 1372 1937"> <p>Component Description: Transmitter Progress Payment. See Attachment 35 and Attachment 19A - Revised Transmitter Quote Q-80768.</p> <p>Amount: \$453,126.41</p> </div>
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

5 Ton system	Information not provided.
Electrical Accessories	<div> <div> Component Description: </div> <div> Transmitter Progress Payment. See Attachment 36 and Attachment 19A - Revised Transmitter Quote Q-80768. </div> </div> <div> Amount: </div> <div> \$7,569.96 </div> <div> Component Description: </div> <div> Transmitter Progress Payment. See Attachment 35 and Attachment 19A - Revised Transmitter Quote Q-80768. </div> <div> Amount: </div> <div> \$8,022.28 </div>
Other Electrical Service: 100 feet each of two-inch and three-inch conduit.	Information not provided.
Shipping	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 50.6 kW	<div> Component Description: </div> <div> Transmitter 1/3 Down Payment. See Attachment 19 and Attachment 18 - Revised Transmitter Quote Q-74288. </div> <div> Amount: </div> <div> \$502,839.60 </div>

Cost Information

Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-16WB /VP C160	\$138,240.00	\$135,328.00		\$0.00	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	\$103,100.00	\$101,928.00	Please see Attachment 8, Line 1. The estimate includes a broadband elbow complex (Attachment 8, Line 3) and excludes vertical polarization cost.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Primary Antenna TFU-24ETT /VP-R 4C150	\$357,486.00	\$263,962.00		\$237,565.80	
Wedding Cake Adapter	\$28,050.00	\$28,050.00	Required to top mount antenna in a stack. See Attachment 23.	\$25,245.00	N/A
Feed Through Components	\$20,906.00	\$20,906.00	Required elbows, cut lengths and hangers to route line from antenna input through antenna below into tower. See Attachment 23.	\$18,815.40	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	See Attachment 23.	\$9,268.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See Attachment 5.	\$5,760.00	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$198,308.00	See Attachment 23 Line 1 (cost of vertical polarization component subtracted from cost shown.)	\$178,477.20	N/A
Sub-total	\$495,726.00	\$399,290.00	N/A	\$237,565.80	N/A
Total for all systems	\$6,735,728.09	\$5,493,660.21	N/A	\$2,976,689.19	N/A

Components

Actual Information	
Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

Wedding Cake Adapter	<table><tr><td data-bbox="694 94 1093 526">Component Description:</td><td data-bbox="1093 94 1428 526">Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Progress Payment is shown here.</td></tr><tr><td data-bbox="694 526 1093 638">Amount:</td><td data-bbox="1093 526 1428 638">\$12,622.50</td></tr><tr><td data-bbox="694 638 1093 1019">Component Description:</td><td data-bbox="1093 638 1428 1019">Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Down Payment is shown here.</td></tr><tr><td data-bbox="694 1019 1093 1120">Amount:</td><td data-bbox="1093 1019 1428 1120">\$12,622.50</td></tr></table>	Component Description:	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Progress Payment is shown here.	Amount:	\$12,622.50	Component Description:	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Down Payment is shown here.	Amount:	\$12,622.50
Component Description:	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Progress Payment is shown here.								
Amount:	\$12,622.50								
Component Description:	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Down Payment is shown here.								
Amount:	\$12,622.50								

Feed Through Components	<div data-bbox="708 174 1374 566"> <p>Component Description: Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Feed Through Components Progress Payment is shown here.</p> <p>Amount: \$9,407.70</p> </div> <div data-bbox="708 674 1374 1066"> <p>Component Description: Invoice includes cost of antenna, line, and various other components. Only the Feed Through Components Down Payment is shown here.</p> <p>Amount: \$9,407.70</p> </div>
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<div data-bbox="708 1205 1366 1552"> <p>Component Description: Invoice includes cost of antenna, line, and various other components. Only the Elbow Complex Progress Payment is shown here.</p> <p>Amount: \$4,634.10</p> </div> <div data-bbox="708 1659 1366 2007"> <p>Component Description: Invoice includes cost of antenna, line, and various other components. Only the Elbow Complex Down Payment is shown here.</p> <p>Amount: \$4,634.10</p> </div>

Sweep test of existing antenna	<div> <div> Component Description: </div> <div> Invoice includes cost of antenna, line, and various other components. Only the Antenna Sweep Progress Payment is shown here. </div> </div> <div> Amount: </div> <div> \$2,880.00 </div>
	<div> <div> Component Description: </div> <div> Invoice includes cost of antenna, line, and various other components. Only the Antenna Sweep Down Payment is shown here. </div> </div> <div> Amount: </div> <div> \$2,880.00 </div>

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized

Component Description:

Invoice includes cost of antenna, line, and various other components. Only the comparable antenna down payment is shown here. CBS will not seek reimbursement for the V-Pol upgrade now or in the future.

Amount:

\$89,238.60

Component Description:

Invoice includes cost of antenna, line, and various other components. Only the comparable antenna progress payment is shown here. CBS will not seek reimbursement for the V-Pol upgrade now or in the future.

Amount:

\$89,238.60

Cost
Information

Transmission Line

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$185,600.00	\$153,130.60		\$0.00	
Rigid Transmission Line - copper, 6 1/8" broadband	\$185,600.00	\$153,130.60	See Attachment 8, Line 2.	N/A	N/A
Primary Transmission Line	\$279,972.00	\$190,666.00		\$171,599.40	
Rigid Transmission Line - copper, 6 1/8"	\$279,972.00	\$190,666.00	See Attachment 5 Line 6.	\$171,599.40	N/A
Sub-total	\$465,572.00	\$343,796.60	N/A	\$171,599.40	N/A
Total for all systems	\$6,735,728.09	\$5,493,660.21	N/A	\$2,976,689.19	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 6 1/8" broadband	Information not provided.

Rigid Transmission Line -
copper, 6 1/8"

Component Description:

Invoice includes
cost of antenna,
line, and various
other components.
Only the
Transmission Line
Progress Payment
is shown here.

Amount:

\$85,799.70

Component Description:

Invoice includes
cost of antenna,
line, and various
other components.
Only the
Transmission Line
Down Payment is
shown here.

Amount:

\$85,799.70

Cost
Information

Tower Equipment and Rigging Costs

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Auxiliary Tower TOWER	\$236,800.00	\$112,500.00		\$3,950.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$12,500.00	50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV (Facility ID 25453).	\$3,950.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$100,000.00	50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV.	N/A	N/A
Auxiliary Tower TOWER	\$868,300.00	\$412,500.00		\$8,750.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$12,500.00	50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV.	\$8,750.00	N/A

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$200,000.00	50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV (Facility ID 25453). Tower is complex due to stacked antennas.	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$200,000.00	50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV.	N/A	N/A
Primary Tower	\$456,355.00	\$199,255.00		\$0.00	
GTOWER					
Site Coordination Meeting	\$1,667.00	\$1,667.00	Site coordination meetings with tower owner, other broadcasters, contractors, and vendors involved with the site deliveries and construction. See Attachment 9 Line 1-B-1.	N/A	N/A

Tower Project Management	\$2,500.00	\$2,500.00	Project management fee from tower owner. Scheduling and management of the timelines and schedules occurring during the repack. See Attachment 9 Line 1-A-1.	N/A	N/A
Structural Engineering	\$4,888.00	\$4,888.00	Rigorous Structural analysis to assess the structural capacity and modifications needed to accommodate the repacked equipment. See Attachment 9 Line 3-A-1.	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$184,000.00	Antenna to be removed is the top of a stack on a candelabra. Transmission line to be removed. See Attachment 9 Line 3-C-1.	N/A	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$6,200.00	Structural tower mapping to ensure the proper structural information is relayed to engineering for the rigorous structural assessment for the proposed repack equipment. See Attachment 9 line 3-A-1.	\$0.00	N/A
Sub-total	\$1,561,455.00	\$724,255.00	N/A	\$12,700.00	N/A
Total for all systems	\$6,735,728.09	\$5,493,660.21	N/A	\$2,976,689.19	N/A

Components

Actual Information
Description

File Name

<p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p>	<table> <tr> <td data-bbox="708 174 1015 210">Component Description:</td><td data-bbox="1150 174 1366 645">Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</td></tr> <tr> <td data-bbox="708 658 815 689">Amount:</td><td data-bbox="1150 658 1267 689">\$3,950.00</td></tr> <tr> <td data-bbox="708 792 1015 828">Component Description:</td><td data-bbox="1150 792 1366 1182">This is a duplicated invoice, which has been superseded by Attachment 10C. Please permanently delete or reject this invoice as an administrative correction.</td></tr> <tr> <td data-bbox="708 1196 815 1227">Amount:</td><td data-bbox="1150 1196 1193 1227">N/A</td></tr> <tr> <td data-bbox="708 1330 1015 1366">Component Description:</td><td data-bbox="1150 1330 1366 1800">Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</td></tr> <tr> <td data-bbox="708 1814 815 1845">Amount:</td><td data-bbox="1150 1814 1267 1845">\$3,950.00</td></tr> </table>	Component Description:	Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.	Amount:	\$3,950.00	Component Description:	This is a duplicated invoice, which has been superseded by Attachment 10C. Please permanently delete or reject this invoice as an administrative correction.	Amount:	N/A	Component Description:	Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.	Amount:	\$3,950.00
Component Description:	Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.												
Amount:	\$3,950.00												
Component Description:	This is a duplicated invoice, which has been superseded by Attachment 10C. Please permanently delete or reject this invoice as an administrative correction.												
Amount:	N/A												
Component Description:	Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.												
Amount:	\$3,950.00												
<p>Tall Tower (greater than 500')</p>	<p>Information not provided.</p>												
<p>Tower mapping for an undocumented/poorly</p>													

documented tower and preparation of documentation necessary for tower load study

Component Description:

Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.

Amount:

\$4,375.00

Component Description:

Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.

Amount:

\$4,375.00

Component Description:

This is a duplicated invoice, which has been superseded by Attachment 11C. Please permanently delete or reject this invoice as an administrative correction.

Amount:

N/A

	<table> <tr> <td data-bbox="708 98 1018 629"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1018 98 1430 629"> <p>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</p> <p>\$4,375.00</p> </td></tr> <tr> <td data-bbox="708 629 1018 1249"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1018 629 1430 1249"> <p>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</p> <p>\$4,375.00</p> </td></tr> <tr> <td data-bbox="708 1249 1018 1883"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1018 1249 1430 1883"> <p>This is a duplicated invoice, which has been superseded by Attachment 12C. Please permanently delete or reject this invoice as an administrative correction.</p> <p>N/A</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</p> <p>\$4,375.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</p> <p>\$4,375.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>This is a duplicated invoice, which has been superseded by Attachment 12C. Please permanently delete or reject this invoice as an administrative correction.</p> <p>N/A</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</p> <p>\$4,375.00</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</p> <p>\$4,375.00</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>This is a duplicated invoice, which has been superseded by Attachment 12C. Please permanently delete or reject this invoice as an administrative correction.</p> <p>N/A</p>						
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.						

Major tower reinforcement /modifications	Information not provided.
Site Coordination Meeting	Information not provided.
Tower Project Management	Information not provided.
Structural Engineering	Information not provided.
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.

Cost Information

Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$58,905.00	\$55,500.00		\$2,550.00	
Project management of the transition	\$39,500.00	\$37,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,175.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,375.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Sub-total	\$58,905.00	\$55,500.00	N/A	\$2,550.00	N/A
Total for all systems	\$6,735,728.09	\$5,493,660.21	N/A	\$2,976,689.19	N/A

Components

Actual Information Description	File Name	
Project management of the transition	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Further interference study \$562.50 Component Description: Amount:
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Prepare FCC Form 2100 CP Application, Engineering Section. \$1,375.00
Prepare request for Special Temporary Authorization	Information not provided.	

Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
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Cost Information

Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$1,001,556.57	\$994,666.57		\$340,641.20	
FCC Filing Fee - STL	<i>\$340.00</i>	\$340.00	See FCC Wireless Bureau Fee Filing Guide (Attachment 32) page 19. Two applications required for duplex IP link to interim site.	\$340.00	N/A
STL to Interim Site	<i>\$99,008.57</i>	\$99,008.57	Studio-to-Transmitter link equipment, including transmitters, receivers, antennas, waveguide, and frequency coordination, not including Expedite Fees per FCC policy. See Attachments 29 and 31.	\$650.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,675.00	See Quote in Attachment 32.	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Local Zoning	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$20,000.00	\$20,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$15,000.00	\$15,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	N/A	N/A	N/A
Interim Bldg. Electrical Contractor	\$449,270.50	\$449,270.50	Interim Building Electrical Contractor. See Attachment 27. Site is to be used by KYW-TV and WPSG so only half of the quoted cost is shown here.	\$179,708.20	N/A

Interim Bldg. Fire Detection	\$75,240.00	\$75,240.00	Interim Building Fire Detection and Suppression System. See Attachment 27. Site is to be used by KYW-TV and WPSG so only half of the quoted cost is shown here.	\$30,096.00	N/A
Interim Bldg. GC and Mech. Contractor	\$324,617.50	\$324,617.50	Interim Building General Contractor and Mechanical Subcontractor. See Attachment 27. Site is to be used by KYW-TV and WPSG so only half of the quoted cost is shown here.	\$129,847.00	N/A
Sub-total	\$1,001,556.57	\$994,666.57	N/A	\$340,641.20	N/A
Total for all systems	\$6,735,728.09	\$5,493,660.21	N/A	\$2,976,689.19	N/A

Components

Actual Information	
Description	File Name

FCC Filing Fee - STL	Component Description:		Please see
	Amount:		Attachment 33.
			\$170.00
	Component Description:		Please see
STL to Interim Site	Amount:		Attachment 34.
			\$170.00
	Component Description:		Invoice is for frequency coordination of studio transmitter link. The non-reimbursable expedited Service Charge has been excluded.
	Amount:		\$650.00
DTV Medical Facility Notification	Information not provided.		
FCC Filing Fees - Form 2100 license to cover application	Information not provided.		
FCC Filing Fees - Special Temporary Authorization request	Information not provided.		
Local Zoning	Information not provided.		
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.		
Equipment Delivery and Handling Charges	Information not provided.		
MVPD Notification of Channel Change	Information not provided.		

Interim Bldg. Electrical Contractor	<div> Component Description: <p>Invoice is down payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is Elec. Contractor. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> </div> <div> Amount: <p>\$179,708.20</p> </div>
Interim Bldg. Fire Detection	<div> Component Description: <p>Invoice is down payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> </div> <div> Amount: <p>\$30,096.00</p> </div>

Interim Bldg. GC and Mech.
Contractor

Component Description:

Invoice is down payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is GC and Mech Contractor. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.

Amount:

\$129,847.00

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$6,735,728.09	\$5,493,660.21
			\$2,976,689.19

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

Andrew J Siegel
Assistant Secretary

10/21/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Andrew J Siegel <i>Assistant Secretary</i></p> <p>10/21/2019</p>

Attachments