



(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 **01/15**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>PHILADELPHIA TELEVISION STATION WPSG, INC.</b>	Daniel G. Ryson 2020 M. St., NW - Licensing	+1 (202) 457-4074	DRYSON@CBS.COM	Corporation
Doing Business As:	DEPT			
PHILADELPHIA TELEVISION STATION WPSG, INC.	WASHINGTON, DC 20036 United States			

## 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
<b>Daniel G Ryson</b> <i>Director of Spectrum Management</i> <i>ViacomCBS</i>	Daniel G. Ryson 2020 M. St., NW - Licensing DEPT 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
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	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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<b>Electrical Service</b>	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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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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<b>RF Accessories, Switching</b>	Various RF Accessories and Inside RF Switching required by repack transmitter. See Attachment 19A, Item C.
<b>Shipping</b>	Transmitter Shipping. See Attachment 19A, Page 1.
<b>Electrical Accessories</b>	150 kVA Transformer and Parallel Surge Suppressor. Required for reliable operation of primary transmitter. See Attachment 19A, Item D.

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	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
<b>Electrical Service</b>	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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	Yes

## Interim Transmitter

### Other Transmitter Cost Not Listed

Name	Description
<b>Electrical Accessories</b>	150 kVA Transformer and Parallel Surge Suppressor. Required for reliable operation of primary transmitter. See Attachment 4, Item D.
<b>RF Accessories</b>	Various RF Accessories required by repack transmitter. See Attachment 4, Item C.



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**Shipping**

Transmitter Shipping. See Attachment 4,  
Page 1.

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**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	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
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	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
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

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

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Type</b>	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) .....	440.0 kW
	Manufacturer	
	Model	TFU-24WB /VP C160
	Year	2019



	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	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
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	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
<b>New Transmission Line Costs</b>	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?	
	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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<b>Tower Rigging Costs</b>	Complex Tower	Other
<b>Helicopter Services Required</b>	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
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	Major Reinforcements needed

### Auxiliary Tower

#### Tower Rigging Costs

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

**Auxiliary  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
Structural Engineering Interim Tower	Structural Engineering Interim Tower

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

**Primary  
Tower**

**Tower Modification Costs**

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

**Primary Tower**

**Tower Rigging Costs**

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

**Primary Tower**

**Other Tower Expenses Not Listed**

Name	Description
<b>Structural Engineering</b>	Rigorous Structural analysis to access the structural capacity and modifications needed to accommodate the repacked equipment. See Attachment 9 Line 3-A-1.
<b>Site Coordination Meeting</b>	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.
<b>Tower Project Management</b>	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.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	250
	Explanation	Company lacks sufficient internal resources.
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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
<b>RF Field Engineering Services</b>	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**

Name	Description
<b>Transmitter Engineering</b>	Interim Transmitter Installation Engineering Design Progress Payment. Split 50/50 with KYW-TV



## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	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
<b>Main TX Building Const Admin</b>	Main Transmitter Building Construction Administration and Management (Fixed Fee). Please see Proposal provided as Attachment 126. Cost shared 50/50 with KYW-TV.
<b>Main Building MEP Design</b>	Main transmitter building Mechanical and Electrical Design. Please see quote provided as Attachment 126. Cost split 50 /50 with KYW-TV.
<b>Drain Refill Glycol</b>	Drain and Refill Glycol
<b>FCC Filing Fee - STL</b>	FCC Filing Fee for Studio Transmitter Link Microwave
<b>Helicopter Cargo Insurance</b>	Helicopter cargo insurance for antenna lift.
<b>Interim Bldg. Asbestos Removal</b>	Interim Bldg. costs for Asbestos Removal.
<b>Interim Bldg. Contingency</b>	Interim Bldg. misc costs from GC, electrical, mechanical, and fire suppression subcontractors.
<b>Interim Bldg. Electrical Contractor</b>	Interim Building Electrical Contractor.
<b>Interim Bldg. Fire Detection</b>	Interim Building Fire Detection & Suppression System.
<b>Interim Bldg. GC and Mech. Contractor</b>	Interim Building General Contractor and Mechanical Subcontractor
<b>Interim Site Generator</b>	Interim Transmitter Generator. Cost split 50 /50 with KYW-TV.
<b>STL to Interim Site</b>	Studio to Transmitter Link Hardware.
<b>Temp Roadway 1</b>	Temporary Roadway Required for Ice Bridge Construction.
<b>Temp Roadway 2</b>	Temporary Roadway Required for Antenna Delivery to Site.

## 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	\$1,222,901.70	\$1,039,516.90		\$887,316.90	
4" Rigid Conduit and Wiring (Cost per foot)	\$5,050.00	\$4,800.00	N/A	N/A	N/A
Shipping	<i>\$10,258.34</i>	\$10,258.34	Transmitter shipping based on actual cost. Please see Attachment 70.	\$10,258.34	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$781,462.20	See Attachment 4, Items A, B, and E plus change orders Attachments 67, 68, and 69. RF Accessories, Electrical, and Freight shown separately.	\$781,462.20	Subtotal equals estimated cost.
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

5 Ton system	\$20,250.00	\$10,153.00	See Attachment 101 for proposal. Cost split 50/50 with KYW-TV.	\$10,153.00	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	N/A	N/A
Electrical Accessories	<b>\$7,380.82</b>	\$7,380.82	Transmitter Electrical Accessories. Includes Step-Down Transformer and Surge Suppressor. See Attachment 4, Item D.	\$7,380.82	N/A
RF Accessories	<b>\$78,062.54</b>	\$78,062.54	RF Accessories Required for Transmitter. Please See Attachment 4, Item C.	\$78,062.54	I need to enter something here to clear an error stating that the Estimated Cost of \$78,062.54 is greater than the \$78,062.54 subtotal.
<b>Primary Transmitter ULXTED-100</b>	<b>\$1,809,626.49</b>	<b>\$1,808,251.49</b>		<b>\$1,774,401.49</b>	

UHF - Liquid Cooled Solid State Transmitter 50.6 kW	<b>\$502,839.60</b>	\$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
Shipping	<b>\$20,799.98</b>	\$20,799.98	Transmitter Shipping from Factory based on actual cost. Please see Attachment 105.	\$20,799.98	N/A
Electrical Accessories	<b>\$15,592.24</b>	\$15,592.24	Transmitter Electrical Accessories. Includes Step-Down Transformer and Parallel Surge Suppressor. See Attachment 19A - Item D.	\$15,592.24	N/A

RF Accessories, Switching	<b>\$240,722.05</b>	\$240,722.05	RF Accessories and Switchless Combiner. Replaces Similar Existing Combiner. See Attachment 19A Item C and change Order Q-87684 (Attachment 121).	\$240,722.05	N/A
UHF - Liquid Cooled Solid State Transmitter 63.4 kW	<b>\$994,447.62</b>	\$994,447.62	Estimated cost is based on Q80768 Lines A, B, & E (1,494,197.69), Q82454 (796.80), Q87749 (2,292.73) minus \$502,839.60 from prior transmitter cost category, which is now closed due to change in primary transmitter model number.	\$994,447.62	N/A
4" Rigid Conduit and Wiring (Cost per foot)	<b>\$7,575.00</b>	\$7,200.00	N/A	N/A	N/A
Other Electrical Service: 100 feet each of two-inch and three-inch conduit.	<b>\$7,400.00</b>	\$7,400.00	100 feet each of two-inch and three-inch conduit. Widely Cost Catalog pricing used.	N/A	N/A

5 Ton system	\$20,250.00	\$19,250.00	Widelity Cost Catalog estimate	N/A	N/A
<b>Sub-total</b>	\$3,032,528.19	\$2,847,768.39	N/A	\$2,661,718.39	N/A
<b>Total for all systems</b>	\$7,839,217.66	\$7,149,499.53	N/A	\$5,629,681.52	N/A

## Components

Actual Information	
Description	File Name
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Shipping	<p><b>Component Description:</b> Transmitter shipping. Please see Attachment 70.</p> <p><b>Amount:</b> \$10,258.34</p>

<p>UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW</p>	<table> <tr> <td data-bbox="703 98 1145 376"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 98 1426 376"> <p>1/3 Down Payment, Interim Transmitter. See Quote Provided as Attachment 4.</p> </td></tr> <tr> <td data-bbox="703 376 1145 448"> <p><b>Amount:</b></p> </td><td data-bbox="1145 376 1426 448"> <p>\$291,302.29</p> </td></tr> <tr> <td data-bbox="703 448 1145 788"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 448 1426 788"> <p>Transmitter installation, change orders, and freight. Please see Attachment 70 for details.</p> </td></tr> <tr> <td data-bbox="703 788 1145 860"> <p><b>Amount:</b></p> </td><td data-bbox="1145 788 1426 860"> <p>\$58,656.27</p> </td></tr> <tr> <td data-bbox="703 860 1145 1415"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 860 1426 1415"> <p>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.</p> </td></tr> <tr> <td data-bbox="703 1415 1145 1487"> <p><b>Amount:</b></p> </td><td data-bbox="1145 1415 1426 1487"> <p>\$260,254.51</p> </td></tr> <tr> <td data-bbox="703 1487 1145 1720"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 1487 1426 1720"> <p>Please see Attachment 53.</p> </td></tr> <tr> <td data-bbox="703 1720 1145 1908"> <p><b>Amount:</b></p> </td><td data-bbox="1145 1720 1426 1908"> <p>\$171,249.13</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>1/3 Down Payment, Interim Transmitter. See Quote Provided as Attachment 4.</p>	<p><b>Amount:</b></p>	<p>\$291,302.29</p>	<p><b>Component Description:</b></p>	<p>Transmitter installation, change orders, and freight. Please see Attachment 70 for details.</p>	<p><b>Amount:</b></p>	<p>\$58,656.27</p>	<p><b>Component Description:</b></p>	<p>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.</p>	<p><b>Amount:</b></p>	<p>\$260,254.51</p>	<p><b>Component Description:</b></p>	<p>Please see Attachment 53.</p>	<p><b>Amount:</b></p>	<p>\$171,249.13</p>
<p><b>Component Description:</b></p>	<p>1/3 Down Payment, Interim Transmitter. See Quote Provided as Attachment 4.</p>																
<p><b>Amount:</b></p>	<p>\$291,302.29</p>																
<p><b>Component Description:</b></p>	<p>Transmitter installation, change orders, and freight. Please see Attachment 70 for details.</p>																
<p><b>Amount:</b></p>	<p>\$58,656.27</p>																
<p><b>Component Description:</b></p>	<p>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.</p>																
<p><b>Amount:</b></p>	<p>\$260,254.51</p>																
<p><b>Component Description:</b></p>	<p>Please see Attachment 53.</p>																
<p><b>Amount:</b></p>	<p>\$171,249.13</p>																
<p>Other Electrical Service: One hundred feet each of two-inch and three-inch conduit.</p>	<p>Information not provided.</p>																



5 Ton system	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Down Payment for Interim transmitter HVAC unit. Please see Attachment 101 for proposal. Cost split 50/50 with KYW-TV.  \$8,162.20 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Down Payment for Interim transmitter HVAC unit. Please see Attachment 101 for proposal. Cost split 50/50 with KYW-TV.  \$1,990.80 </div> </div>
UHF inside RF system including switching	Information not provided.
Electrical Accessories	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> 1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the Electrical Accessories are shown here.  \$2,460.27 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Please see Attachment 53.  \$4,920.55 </div> </div>

RF Accessories	<div> <div> <b>Component Description:</b> </div> <div> 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> <div> <b>Amount:</b> </div> <div> \$26,020.85 </div> </div> <div> <div> <b>Component Description:</b> </div> <div> Please see Attachment 53. </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$52,041.69 </div> </div>
UHF - Liquid Cooled Solid State Transmitter 50.6 kW	<div> <div> <b>Component Description:</b> </div> <div> Transmitter 1/3 Down Payment. See Attachment 19 and Attachment 18 - Revised Transmitter Quote Q-74288. </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$502,839.60 </div> </div>
Shipping	<div> <div> <b>Component Description:</b> </div> <div> Transmitter freight. Please see Attachment 105B. </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$20,799.98 </div> </div>

Electrical Accessories	<div data-bbox="703 91 1428 593"> <div data-bbox="703 91 1428 481"> <p><b>Component Description:</b></p> <p>Transmitter Progress Payment. See Attachment 36B and Attachment 19A - Revised Transmitter Quote Q-80768.</p> </div> <div data-bbox="703 481 1428 593"> <p><b>Amount:</b></p> <p>\$7,569.96</p> </div> </div> <div data-bbox="703 593 1428 1041"> <div data-bbox="703 593 1428 974"> <p><b>Component Description:</b></p> <p>Transmitter Progress Payment. See Attachment 35B and Attachment 19A - Revised Transmitter Quote Q-80768.</p> </div> <div data-bbox="703 974 1428 1041"> <p><b>Amount:</b></p> <p>\$8,022.28</p> </div> </div>
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RF Accessories, Switching

**Component Description:** Transmitter  
Progress  
Payment. See  
Attachment 36B  
and Attachment  
19A - Revised  
Transmitter Quote  
Q-80768.  
**Amount:** \$112,857.41

**Component Description:** Transmitter  
Progress  
Payment. See  
Attachment 35B  
and Attachment  
19A - Revised  
Transmitter Quote  
Q-80768.  
**Amount:** \$119,600.64

**Component Description:** Final Primary  
Transmitter  
Installation, Proof,  
and RF  
Accessories  
Change.  
Transmitter and  
Freight listed  
separately. Please  
see Attachment  
105B for  
quotations.  
**Amount:** \$8,264.00

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<p>UHF - Liquid Cooled Solid State Transmitter 63.4 kW</p>	<table> <tr> <td data-bbox="710 100 1141 761"> <p><b>Component Description:</b></p> </td><td data-bbox="1141 100 1428 761"> <p>Final Primary Transmitter Installation, Proof, and Hardware Change. Freight and RF Accessories listed separately. Please see Attachment 105B for quotations and Attachment 37A for upgraded transmitter invoice.</p> </td></tr> <tr> <td data-bbox="710 761 1141 851"> <p><b>Amount:</b></p> </td><td data-bbox="1141 761 1428 851"> <p>\$113,742.64</p> </td></tr> <tr> <td data-bbox="710 851 1141 1220"> <p><b>Component Description:</b></p> </td><td data-bbox="1141 851 1428 1220"> <p>Transmitter Progress Payment. See Attachment 35B and Attachment 19A - Revised Transmitter Quote Q-80768.</p> </td></tr> <tr> <td data-bbox="710 1220 1141 1310"> <p><b>Amount:</b></p> </td><td data-bbox="1141 1220 1428 1310"> <p>\$453,126.41</p> </td></tr> <tr> <td data-bbox="710 1310 1141 1780"> <p><b>Component Description:</b></p> </td><td data-bbox="1141 1310 1428 1780"> <p>Transmitter Payment Three. See Attachment 36B and Attachment 19A - Revised Transmitter Quote Q-80768.</p> </td></tr> <tr> <td data-bbox="710 1780 1141 1870"> <p><b>Amount:</b></p> </td><td data-bbox="1141 1780 1428 1870"> <p>\$427,578.57</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Final Primary Transmitter Installation, Proof, and Hardware Change. Freight and RF Accessories listed separately. Please see Attachment 105B for quotations and Attachment 37A for upgraded transmitter invoice.</p>	<p><b>Amount:</b></p>	<p>\$113,742.64</p>	<p><b>Component Description:</b></p>	<p>Transmitter Progress Payment. See Attachment 35B and Attachment 19A - Revised Transmitter Quote Q-80768.</p>	<p><b>Amount:</b></p>	<p>\$453,126.41</p>	<p><b>Component Description:</b></p>	<p>Transmitter Payment Three. See Attachment 36B and Attachment 19A - Revised Transmitter Quote Q-80768.</p>	<p><b>Amount:</b></p>	<p>\$427,578.57</p>
<p><b>Component Description:</b></p>	<p>Final Primary Transmitter Installation, Proof, and Hardware Change. Freight and RF Accessories listed separately. Please see Attachment 105B for quotations and Attachment 37A for upgraded transmitter invoice.</p>												
<p><b>Amount:</b></p>	<p>\$113,742.64</p>												
<p><b>Component Description:</b></p>	<p>Transmitter Progress Payment. See Attachment 35B and Attachment 19A - Revised Transmitter Quote Q-80768.</p>												
<p><b>Amount:</b></p>	<p>\$453,126.41</p>												
<p><b>Component Description:</b></p>	<p>Transmitter Payment Three. See Attachment 36B and Attachment 19A - Revised Transmitter Quote Q-80768.</p>												
<p><b>Amount:</b></p>	<p>\$427,578.57</p>												
<p>4" Rigid Conduit and Wiring (Cost per foot)</p>	<p>Information not provided.</p>												
<p>Other Electrical Service: 100 feet each of two-inch and three-inch conduit.</p>	<p>Information not provided.</p>												
<p>5 Ton system</p>	<p>Information not provided.</p>												



**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
<b>Interim Antenna TFU-24WB /VP C160</b>	<b>\$365,240.00</b>	<b>\$113,980.00</b>		<b>\$83,780.00</b>	
UHF - Lower Power Side Mount, One Station antenna . medium power (50- 200 kW), elliptically or circularly polarized	\$103,100.00	\$80,580.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Please see Attachment 8A, Line 1. The estimate includes a broadband elbow complex (Attachment 8A, Line 3) and excludes vertical polarization cost. Total costs shared equally with KYW-TV.	\$80,580.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,200.00	N/A

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$0.00	Unclear where this cost category came from.	\$0.00	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
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
<b>Primary Antenna TFU-24ETT /VP-R 4C150</b>	<b>\$357,486.00</b>	<b>\$263,962.00</b>		<b>\$237,565.80</b>	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See Attachment 5.	\$5,760.00	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



Wedding Cake Adapter	<b>\$28,050.00</b>	\$28,050.00	Required to top mount antenna in a stack. See Attachment 23.	\$25,245.00	N/A
Feed Through Components	<b>\$20,906.00</b>	\$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
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
<b>Sub-total</b>	\$722,726.00	\$377,942.00	N/A	\$321,345.80	N/A
<b>Total for all systems</b>	\$7,839,217.66	\$7,149,499.53	N/A	\$5,629,681.52	N/A

## Components

**Actual Information**  
**Description**

**File Name**

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	<p><b>Component Description:</b></p> <p>Please see estimates and explanation in Exhibit 71.</p> <p><b>Amount:</b></p> <p>\$80,580.00</p>
Sweep test of existing antenna	<p><b>Component Description:</b></p> <p>Please see estimate in Attachment 71. Cost split equally with KYW-TV.</p> <p><b>Amount:</b></p> <p>\$3,200.00</p>
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

Sweep test of existing antenna	<div data-bbox="708 174 1366 524"> <p><b>Component Description:</b> Invoice includes cost of antenna, line, and various other components. Only the Antenna Sweep Down Payment is shown here.</p> <p><b>Amount:</b> \$2,880.00</p> </div> <div data-bbox="708 631 1366 981"> <p><b>Component Description:</b> Invoice includes cost of antenna, line, and various other components. Only the Antenna Sweep Progress Payment is shown here.</p> <p><b>Amount:</b> \$2,880.00</p> </div>
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<div data-bbox="708 1120 1366 1469"> <p><b>Component Description:</b> Invoice includes cost of antenna, line, and various other components. Only the Elbow Complex Down Payment is shown here.</p> <p><b>Amount:</b> \$4,634.10</p> </div> <div data-bbox="708 1576 1366 1926"> <p><b>Component Description:</b> Invoice includes cost of antenna, line, and various other components. Only the Elbow Complex Progress Payment is shown here.</p> <p><b>Amount:</b> \$4,634.10</p> </div>

Wedding Cake Adapter	<b>Component Description:</b>	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Down Payment is shown here.
	<b>Amount:</b>	\$12,622.50
	<b>Component Description:</b>	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Progress Payment is shown here.
	<b>Amount:</b>	\$12,622.50

Feed Through Components	<table><tr><td data-bbox="694 91 1085 515"><b>Component Description:</b></td><td data-bbox="1085 91 1428 515">Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Feed Through Components Progress Payment is shown here.</td></tr><tr><td data-bbox="694 515 1085 627"><b>Amount:</b></td><td data-bbox="1085 515 1428 627">\$9,407.70</td></tr><tr><td data-bbox="694 627 1085 1008"><b>Component Description:</b></td><td data-bbox="1085 627 1428 1008">Invoice includes cost of antenna, line, and various other components. Only the Feed Through Components Down Payment is shown here.</td></tr><tr><td data-bbox="694 1008 1085 1120"><b>Amount:</b></td><td data-bbox="1085 1008 1428 1120">\$9,407.70</td></tr></table>	<b>Component Description:</b>	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Feed Through Components Progress Payment is shown here.	<b>Amount:</b>	\$9,407.70	<b>Component Description:</b>	Invoice includes cost of antenna, line, and various other components. Only the Feed Through Components Down Payment is shown here.	<b>Amount:</b>	\$9,407.70
<b>Component Description:</b>	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Feed Through Components Progress Payment is shown here.								
<b>Amount:</b>	\$9,407.70								
<b>Component Description:</b>	Invoice includes cost of antenna, line, and various other components. Only the Feed Through Components Down Payment is shown here.								
<b>Amount:</b>	\$9,407.70								

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
<b>Interim Transmission Line</b>	<b>\$185,600.00</b>	<b>\$92,556.80</b>		<b>\$92,556.80</b>	
Rigid Transmission Line - copper, 6 1/8" broadband	\$185,600.00	\$92,556.80	See Attachments 8A and Change Order 7-25-2019 (Attachment 73). Cost shared equally with KYW-TV.	\$92,556.80	N/A
<b>Primary Transmission Line</b>	<b>\$279,972.00</b>	<b>\$190,666.00</b>		<b>\$171,599.40</b>	
Rigid Transmission Line - copper, 6 1/8"	\$279,972.00	\$190,666.00	See Attachment 5 Line 6.	\$171,599.40	N/A
<b>Sub-total</b>	<b>\$465,572.00</b>	<b>\$283,222.80</b>	N/A	<b>\$264,156.20</b>	N/A
<b>Total for all systems</b>	<b>\$7,839,217.66</b>	<b>\$7,149,499.53</b>	N/A	<b>\$5,629,681.52</b>	N/A

### Components

Actual Information Description	File Name
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Rigid Transmission Line -  
copper, 6 1/8" broadband

**Component Description:**

Please see  
estimate and  
explanation in  
Attachment 71.  
Cost split equally  
with KYW-TV.

**Amount:**

\$7,365.00

**Component Description:**

Please see  
estimate in  
Attachment 71.  
Cost shared  
equally with KYW-  
TV.

**Amount:**

\$83,434.80

**Component Description:**

Please see  
estimate and  
explanation in  
Attachment 71.  
Cost split equally  
with KYW-TV.

**Amount:**

\$1,757.00



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
<b>Primary Tower</b>	<b>\$456,355.00</b>	<b>\$496,255.00</b>		<b>\$474,000.00</b>	
<b>GTOWER</b>					
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$481,000.00	Antenna to be removed is the top of a stack on a candelabra. Transmission line to be removed. See Attachment 60.	\$474,000.00	N/A
Site Coordination Meeting	<i>\$1,667.00</i>	\$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	<b>\$2,500.00</b>	\$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	<b>\$4,888.00</b>	\$4,888.00	Rigorous Structural analysis to access the structural capacity and modifications needed to accommodate the repacked equipment. See Attachment 9 Line 3-A-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

<b>Auxiliary Tower TOWER</b>	<b>\$946,550.00</b>	<b>\$1,429,337.50</b>		<b>\$539,366.00</b>	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$1,138,587.50	Please see quotes in Attachments 58 (\$728,500), 111 (\$302,675), and 110 (\$60,000 credit) all split 50/50 with KYW-TV for \$485,587.50 plus Attachments 60 (481,000), 62 (\$115,000), and 136 (\$57,000) not split with KYW- TV for \$1,138,587.50.	\$475,887.50	N/A
Major tower reinforcement /modifications	\$421,000.00	\$200,000.00	50% of Widely Cost Catalog pricing. Half of cost is shared with KYW-TV.	\$28,228.50	N/A
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 Widely Cost Catalog pricing. Half of cost is shared with KYW-TV.	\$8,750.00	N/A

Structural Engineering Interim Tower	<b>\$78,250.00</b>	\$78,250.00	Structural studies of various antenna and transmission line configuration options on interim tower. Please see Attachments 94, 97, 114, 119, 138, 141A, and 143 for quotations. (Some items split 50/50 with KYW-TV.)	\$26,500.00	N/A
<b>Auxiliary Tower TOWER</b>	<b>\$657,800.00</b>	<b>\$166,962.37</b>		<b>\$158,412.37</b>	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$0.00	N/A	N/A	N/A

Tall Tower (greater than 500')	\$210,500.00	\$154,462.37	***System Notice: Estimate adjusted and locked because line has been superseded. ***50% of Antenna and Line Rigging quote (Attachment 38) plus 50% of Tower Ice Bridge quote (Attachment 41) Half of cost is shared with KYW-TV.	\$154,462.37	N/A
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 Widely Cost Catalog pricing. Half of cost is shared with KYW-TV (Facility ID 25453).	\$3,950.00	N/A
<b>Sub-total</b>	\$2,060,705.00	\$2,092,554.87	N/A	\$1,171,778.37	N/A
<b>Total for all systems</b>	\$7,839,217.66	\$7,149,499.53	N/A	\$5,629,681.52	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<p><b>Component Description:</b> 40% down payment for removal of WPSG antenna and line from former Primary Tower. Please see Attachment 60 for quotation.</p> <p><b>Amount:</b> \$192,400.00</p>
	<p><b>Component Description:</b> Final 50% for removal of the pre-transition WPSG antenna. Please see Attachment 60 for quotation.</p> <p><b>Amount:</b> \$233,500.00</p>
	<p><b>Component Description:</b> Down Payment - Antenna and TX Line Removal. Please see quotation in Attachment 60.</p> <p><b>Amount:</b> \$48,100.00</p>
Site Coordination Meeting	Information not provided.
Tower Project Management	Information not provided.
Structural Engineering	Information not provided.
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	

<b>Component Description:</b>	Down payment for antenna and transmission line removal and replacement. See quote in attachment 58.
<b>Amount:</b>	\$36,425.00

<b>Component Description:</b>	Deposit for Heavy Duty Helicopter Installation - following failed helicopter lift. Please see Attachment 111 for quote. Cost shared 50/50 with KYW-TV.
<b>Amount:</b>	\$81,750.00

<b>Component Description:</b>	Main Antenna and TX line installation Down Payment. Cost shared 50/50 with KYW-TV. Please see Attachment 58 for quote.
<b>Amount:</b>	\$137,125.00

<b>Component Description:</b>	Invoice is down payment for removal and relocation of studio-transmitter-link antennas. This cost is not shared with any other station. Please see quote in Attachment 136.
<b>Amount:</b>	\$28,500.00



<b>Component Description:</b>	Deposit for Heavy Duty Helicopter Installation - following failed helicopter lift. Please see Attachment 111 for quote. Cost shared 50/50 with KYW-TV.
<b>Amount:</b>	\$69,587.50

<b>Component Description:</b>	Main Antenna and TX line installation Balance Due. Cost shared 50/50 with KYW-TV. Please see Attachment 58 for quote. Credit given for failed helicopter lift.
<b>Amount:</b>	\$7,500.00

<b>Component Description:</b>	Final 50% for additional cost of heavy duty helicopter. This cost is WPSG's alone, and not shared. Please see Attachment 62 for quote.
<b>Amount:</b>	\$57,500.00

<b>Component Description:</b>	Initial 50% for additional cost of heavy duty helicopter. This cost is WPSG's alone, and not shared. Please see Attachment 62 for quote.
<b>Amount:</b>	\$57,500.00

Major tower reinforcement /modifications	<div> <div> <b>Component Description:</b> </div> <div> Remove old transmission lines from tower. Cost split 50/50 with KYW-TV. Please see Attachment 54 for quotation. </div> </div> <div> <b>Amount:</b> </div> <div> <div> <b>Component Description:</b> </div> <div> Install grounding. Please see quotation provided as Attachment 56. Cost split 50/50 with KYW-TV. </div> </div> <div> <b>Amount:</b> </div>
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<div> <div> <b>Component Description:</b> </div> <div> 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. </div> </div> <div> <b>Amount:</b> </div>

<b>Component Description:</b>	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.
<b>Amount:</b>	\$4,375.00

<b>Component Description:</b>	This is a duplicated invoice, which has been superseded by Attachment 12C. Please permanently delete or reject this invoice as an administrative correction.
<b>Amount:</b>	N/A

<b>Component Description:</b>	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.
<b>Amount:</b>	\$4,375.00

	<table> <tr> <td data-bbox="692 87 1098 739"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 87 1426 739"> <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="692 739 1098 1265"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 739 1426 1265"> <p>This is a duplicated invoice, which has been superseded by Attachment 11C. Please permanently delete or reject this invoice as an administrative correction.</p> <p>N/A</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></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><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>This is a duplicated invoice, which has been superseded by Attachment 11C. Please permanently delete or reject this invoice as an administrative correction.</p> <p>N/A</p>
<p><b>Component Description:</b></p> <p><b>Amount:</b></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><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>This is a duplicated invoice, which has been superseded by Attachment 11C. Please permanently delete or reject this invoice as an administrative correction.</p> <p>N/A</p>				
<p>Structural Engineering Interim Tower</p>	<table> <tr> <td data-bbox="692 1265 1098 1724"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 1265 1426 1724"> <p>Structural Analysis of final loading configuration on tower. See quote in Attachment 119. Cost split 50/50 with KYW-TV.</p> <p>\$2,125.00</p> </td></tr> <tr> <td data-bbox="692 1724 1098 2134"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 1724 1426 2134"> <p>Structural Engineering. Cost split 50/50 with KYW-TV. Please see Attachment 141A for proposal.</p> <p>\$625.00</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Structural Analysis of final loading configuration on tower. See quote in Attachment 119. Cost split 50/50 with KYW-TV.</p> <p>\$2,125.00</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Structural Engineering. Cost split 50/50 with KYW-TV. Please see Attachment 141A for proposal.</p> <p>\$625.00</p>
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Structural Analysis of final loading configuration on tower. See quote in Attachment 119. Cost split 50/50 with KYW-TV.</p> <p>\$2,125.00</p>				
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Structural Engineering. Cost split 50/50 with KYW-TV. Please see Attachment 141A for proposal.</p> <p>\$625.00</p>				

<b>Component Description:</b>	Gin Pole Engineering. Please see Attachment 114 for quote. Cost shared 50/50 with KYW-TV.
<b>Amount:</b>	\$4,000.00

<b>Component Description:</b>	Structural analysis and design of prospective tower extension design. Please see Attachment 97 for proposal. Cost is split 50/50 with KYW-TV.
<b>Amount:</b>	\$9,875.00

<b>Component Description:</b>	Structural analysis of existing analog antenna spine as a possible mounting point for digital antennas. Please see Attachment 94 for proposal. Cost is split 50/50 with KYW-TV.
<b>Amount:</b>	\$3,000.00

<b>Component Description:</b>	Structural Engineering. Cost split 50/50 with KYW-TV. Please see Attachment 143 for proposal.
<b>Amount:</b>	\$4,750.00

	<div data-bbox="708 159 1378 470"> <p><b>Component Description:</b> Structural Analysis of final loading configuration on tower. See quote in Attachment 119. Cost split 50/50 with KYW-TV.</p> <p><b>Amount:</b> \$2,125.00</p> </div> <div data-bbox="708 577 1362 851"> <p><b>Component Description:</b> Structural Engineering. Cost split 50/50 with KYW-TV. Please see Attachment 138 for proposal.</p> <p><b>Amount:</b> \$4,375.00</p> </div> <div data-bbox="708 958 1362 1232"> <p><b>Component Description:</b> Structural Engineering. Cost split 50/50 with KYW-TV. Please see Attachment 138 for proposal.</p> <p><b>Amount:</b> \$4,375.00</p> </div>
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.

Tall Tower (greater than 500')

**Component Description:** Progress payment costs to Install antenna, line, and assist with tuning. Cost is shared 50 /50 with KYW-TV.

**Amount:** \$52,275.00

**Component Description:** Initial payment to Install ice bridge. Cost is shared 50 /50 (fractional cents rounded down) with KYW-TV.

**Amount:** \$26,842.37

**Component Description:** Progress payment to Install ice bridge. Cost is shared 50 /50 with KYW-TV.

**Amount:** \$23,070.00

**Component Description:** Down payment costs to Install antenna, line, and assist with tuning. Cost is shared 50 /50 with KYW-TV.

**Amount:** \$52,275.00

Tower mapping for an undocumented/poorly 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:**

\$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



## 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
<b>Outside Professional Services</b>	<b>\$109,805.00</b>	<b>\$106,400.00</b>		<b>\$53,450.00</b>	
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$39,500.00	\$37,500.00	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
Transmitter Engineering	<b>\$50,900.00</b>	\$50,900.00	Transmitter Installation Electrical Engineering. Please see Attachment 83 for estimate.	\$50,900.00	N/A
<b>Sub-total</b>	\$109,805.00	\$106,400.00	N/A	\$53,450.00	N/A
<b>Total for all systems</b>	\$7,839,217.66	\$7,149,499.53	N/A	\$5,629,681.52	N/A

## Components

Actual Information	
Description	File Name
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Project management of the transition	Information not provided.
Perform engineering study for new channel assignment and antenna development	<div> <b>Component Description:</b> Further interference study  <b>Amount:</b> \$562.50 </div> <div> <b>Component Description:</b> Preliminary interference study.  <b>Amount:</b> \$612.50 </div>

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b> Prepare FCC Form 2100 CP Application, Engineering Section.</p> <p><b>Amount:</b> \$1,375.00</p>
Prepare request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Transmitter Engineering	<p><b>Component Description:</b> Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV</p> <p><b>Amount:</b> \$4,581.00</p> <p><b>Component Description:</b> Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV.</p> <p><b>Amount:</b> \$13,234.00</p> <p><b>Component Description:</b> Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV</p> <p><b>Amount:</b> \$5,090.00</p>

**Component Description:**

Interim  
Transmitter  
Installation  
Engineering  
Design Progress  
Payment. Split 50  
/50 with KYW-TV.  
Partial Payment.

**Amount:**

\$12,725.00

**Component Description:**

Interim  
Transmitter  
Installation  
Engineering  
Design Progress  
Payment. Split 50  
/50 with KYW-TV

**Amount:**

\$7,635.00

**Component Description:**

Interim  
Transmitter  
Installation  
Engineering  
Design Progress  
Payment. Split 50  
/50 with KYW-TV

**Amount:**

\$7,635.00

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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
<b>Other Expenses</b>	<b>\$1,447,881.47</b>	<b>\$1,441,611.47</b>		<b>\$1,157,232.76</b>	
DTV Medical Facility Notification	\$11,550.00	\$4,675.00	See Quote in Attachment 32.	\$4,675.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	\$335.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$800.00	STA and three STA Extensions	\$800.00	N/A
Local Zoning	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$15,000.00</i>	\$15,000.00	N/A	\$12,710.77	N/A
MVPD Notification of Channel Change	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A

Main TX Building Const Admin	<b>\$29,400.00</b>	\$29,400.00	Main Building Construction Administration and Management (Fixed Fee). Please see Proposal provided as Attachment 126. Cost shared 50/50 with KYW-TV.	\$28,665.00	N/A
Main Building MEP Design	<b>\$39,250.00</b>	\$39,250.00	Main transmitter building Mechanical and Electrical Design. Please see quote provided as Attachment 126. Cost split 50/50 with KYW-TV.	\$39,250.00	N/A
Drain Refill Glycol	<b>\$3,336.40</b>	\$3,336.40	Drain and Refill Glycol. Please see quote as Attachment 123.	\$3,336.40	N/A
FCC Filing Fee - STL	<b>\$340.00</b>	\$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

Helicopter Cargo Insurance	<b>\$2,575.00</b>	\$2,575.00	Please see Attachment 117 for quote. Insurance for antenna since provided insurance from helicopter vendor was less than antenna replacement cost. Estimate is split 50/50 with WJZ-TV Baltimore whose lift was scheduled days prior to WPSG's.	\$2,575.00	N/A
Interim Bldg. Contingency	<b>\$42,456.50</b>	\$42,456.50	Please see proposal Attachment 27. Costs will be split 50/50 with WPSG. We will only seek reimbursement for actual costs, which will be itemized.	\$42,414.14	N/A
Interim Bldg. Electrical Contractor	<b>\$449,270.50</b>	\$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.	\$449,270.48	N/A

Interim Bldg. Fire Detection	<b>\$75,240.00</b>	\$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.	\$75,240.00	N/A
Interim Bldg. GC and Mech. Contractor	<b>\$324,617.50</b>	\$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.	\$324,617.48	N/A
Interim Site Generator	<b>\$293,931.00</b>	\$293,931.00	Interim Transmitter Generator. Cost split 50 /50 with KYW- TV. Please see Attachment 90 for quotation.	\$146,965.49	N/A



STL to Interim Site	<b>\$99,008.57</b>	\$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
Temp Roadway 1	<b>\$22,493.00</b>	\$22,493.00	Temporary Roadway Required for Ice Bridge Construction at Interim Tower. Please see quote in Attachment 99. Cost is split 50/50 with KYW-TV.	\$22,493.00	N/A
Temp Roadway 2	<b>\$9,988.00</b>	\$9,988.00	Temporary Roadway 2 - Required for delivery of long antennas onto property to avoid sharp turn onto existing access roadway. Cost split 50/50 with KYW-TV. Please see Attachment 104.	N/A	N/A

Interim Bldg. Asbestos Removal	<b>\$2,895.00</b>	\$2,895.00	Please see quotation Attachment 63. Cost shared 50/50 with KYW-TV.	\$2,895.00	N/A
<b>Sub-total</b>	\$1,447,881.47	\$1,441,611.47	N/A	\$1,157,232.76	N/A
<b>Total for all systems</b>	\$7,839,217.66	\$7,149,499.53	N/A	\$5,629,681.52	N/A

## Components

Actual Information	
Description	File Name
DTV Medical Facility Notification	<p><b>Component Description:</b> Health Care Facility Notification. See quote provided as Attachment 32.</p> <p><b>Amount:</b> \$4,675.00</p>
FCC Filing Fees - Form 2100 license to cover application	<p><b>Component Description:</b> Primary Antenna License Application "to cover" Construction Permit Application Filing Fee</p> <p><b>Amount:</b> \$335.00</p>

FCC Filing Fees - Special Temporary Authorization request	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Interim Antenna STA Application Filing Fee - Third six month Extension \$200.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Interim Antenna STA Application Filing Fee - Initial 6- month Application \$200.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Interim Antenna STA Application Filing Fee - Second six month Extension \$200.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Interim Antenna STA Application Filing Fee - First Six-Month Extension \$200.00 </div> </div>
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	<div> <b>Component Description:</b> Please see estimate in Attachment 71. Cost split equally with KYW-TV.         </div> <div> <b>Amount:</b> \$7,235.51         </div>
	<div> <b>Component Description:</b> Please see estimate in Attachment 71. Costs split equally with KYW-TV.         </div> <div> <b>Amount:</b> \$641.61         </div>
	<div> <b>Component Description:</b> Please see estimate in Attachment 71. Cost split equally with KYW-TV.         </div> <div> <b>Amount:</b> \$1,829.90         </div>
	<div> <b>Component Description:</b> Please see estimate in Attachment 71. Cost split equally with KYW-TV.         </div> <div> <b>Amount:</b> \$3,003.75         </div>
MVPD Notification of Channel Change	Information not provided.
Main TX Building Const Admin	

**Component Description:**

Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for admin. Design cost listed separately. Site used by WPSG and KYW-TV so 50% of cost is shown here.

**Amount:**

\$7,350.00

**Component Description:**

Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for admin. Site used by WPSG and KYW-TV so 50% of cost is shown here.

**Amount:**

\$735.00

**Component Description:**

Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for admin. Site used by WPSG and KYW-TV so 50% of cost is shown here.

**Amount:**

\$5,880.00

**Component Description:**

Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for admin. Site used by WPSG and KYW-TV so 50% of cost is shown here.

**Amount:**

\$4,410.00

**Component Description:**

Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for admin. Site used by WPSG and KYW-TV so 50% of cost is shown here.

**Amount:**

\$2,940.00

	<p><b>Component Description:</b></p> <p>Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for admin. Site used by WPSG and KYW-TV so 50% of cost is shown here.</p> <p><b>Amount:</b></p> <p>\$7,350.00</p>
Main Building MEP Design	<p><b>Component Description:</b></p> <p>Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for design. Admin cost listed separately. Site used by WPSG and KYW-TV so 50% of cost is shown here.</p> <p><b>Amount:</b></p> <p>\$3,925.00</p>

	<table> <tr> <td data-bbox="707 98 1145 672"><b>Component Description:</b></td><td data-bbox="1145 98 1428 672">Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for design. Site used by WPSG and KYW-TV so 50% of cost is shown here.</td></tr> <tr> <td data-bbox="707 672 1145 739"><b>Amount:</b></td><td data-bbox="1145 672 1428 739">\$19,625.00</td></tr> <tr> <td data-bbox="707 739 1145 1321"><b>Component Description:</b></td><td data-bbox="1145 739 1428 1321">Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for design. Site used by WPSG and KYW-TV so 50% of cost is shown here.</td></tr> <tr> <td data-bbox="707 1321 1145 1429"><b>Amount:</b></td><td data-bbox="1145 1321 1428 1429">\$15,700.00</td></tr> </table>	<b>Component Description:</b>	Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for design. Site used by WPSG and KYW-TV so 50% of cost is shown here.	<b>Amount:</b>	\$19,625.00	<b>Component Description:</b>	Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for design. Site used by WPSG and KYW-TV so 50% of cost is shown here.	<b>Amount:</b>	\$15,700.00
<b>Component Description:</b>	Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for design. Site used by WPSG and KYW-TV so 50% of cost is shown here.								
<b>Amount:</b>	\$19,625.00								
<b>Component Description:</b>	Invoice is for main transmitter building General Contractor, Mech contractor, Elec contractor, and Fire Detection and Suppression. This cost is for design. Site used by WPSG and KYW-TV so 50% of cost is shown here.								
<b>Amount:</b>	\$15,700.00								
Drain Refill Glycol	<table> <tr> <td data-bbox="707 1429 1145 1657"><b>Component Description:</b></td><td data-bbox="1145 1429 1428 1657">Replace Glycol. Please see statement in Attachment 124.</td></tr> <tr> <td data-bbox="707 1657 1145 1753"><b>Amount:</b></td><td data-bbox="1145 1657 1428 1753">\$3,336.40</td></tr> </table>	<b>Component Description:</b>	Replace Glycol. Please see statement in Attachment 124.	<b>Amount:</b>	\$3,336.40				
<b>Component Description:</b>	Replace Glycol. Please see statement in Attachment 124.								
<b>Amount:</b>	\$3,336.40								



FCC Filing Fee - STL	<div> <div> <b>Component Description:</b> </div> <div> Please see Attachment 33. </div> </div> <div> <b>Amount:</b> </div> <div> \$170.00 </div> <div> <b>Component Description:</b> </div> <div> Please see Attachment 34. </div> <div> <b>Amount:</b> </div> <div> \$170.00 </div>
Helicopter Cargo Insurance	<div> <div> <b>Component Description:</b> </div> <div> Please see quote in Attachment 117. Cost shared 50/50 with WJZ-TV Baltimore whose helicopter lift was scheduled days before WPSG's. </div> </div> <div> <b>Amount:</b> </div> <div> \$2,575.00 </div>
Interim Bldg. Contingency	<div> <div> <b>Component Description:</b> </div> <div> Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here. </div> </div> <div> <b>Amount:</b> </div> <div> \$3,114.90 </div>

**Component Description:**

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

**Amount:**

\$1,694.00

**Component Description:**

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

**Amount:**

\$2,904.00

**Component Description:**

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

**Amount:**

\$7,567.50

	<table> <tr> <td data-bbox="707 98 1137 757"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1137 98 1428 757"> <p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$9,395.74</p> </td></tr> <tr> <td data-bbox="707 757 1137 1393"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1137 757 1428 1393"> <p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$4,307.50</p> </td></tr> <tr> <td data-bbox="707 1393 1137 1966"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1137 1393 1428 1966"> <p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$13,430.50</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$9,395.74</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$4,307.50</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$13,430.50</p>
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$9,395.74</p>						
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$4,307.50</p>						
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Invoice is for various costs of General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>\$13,430.50</p>						
Interim Bldg. Electrical Contractor							

**Component Description:**

Invoice is progress 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.

**Amount:**

\$22,463.52

**Component Description:**

Invoice is progress 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.

**Amount:**

\$22,463.52

**Component Description:**

Invoice is progress 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.

**Amount:**

\$112,317.62

**Component Description:**

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.

**Amount:**

\$179,708.20

	<p><b>Component Description:</b></p> <p>Invoice is progress 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> <p><b>Amount:</b></p> <p>\$112,317.62</p>
Interim Bldg. Fire Detection	<p><b>Component Description:</b></p> <p>Invoice is progress 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> <p><b>Amount:</b></p> <p>\$18,810.00</p>

<b>Component Description:</b>	Invoice is progress 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.
<b>Amount:</b>	\$3,762.00

<b>Component Description:</b>	Invoice is progress 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.
<b>Amount:</b>	\$3,762.00

	<b>Component Description:</b>	Invoice is progress 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.
	<b>Amount:</b>	\$18,810.00
	<b>Component Description:</b>	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.
	<b>Amount:</b>	\$30,096.00
<hr/>		
Interim Bldg. GC and Mech. Contractor		



**Component Description:**

Invoice is progress 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:**

\$16,230.87

**Component Description:**

Invoice is progress 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:**

\$81,154.37

**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

**Component Description:**

Invoice is progress 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:**

\$81,154.37

	<p><b>Component Description:</b> Invoice is progress 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.</p> <p><b>Amount:</b> \$16,230.87</p>
Interim Site Generator	<p><b>Component Description:</b> Interim Transmitter Generator. Cost split 50/50 with KYW-TV</p> <p><b>Amount:</b> \$66,134.47</p> <p><b>Component Description:</b> Interim Transmitter Generator. Cost split 50/50 with KYW-TV. Fractional Cents rounded down per FCC policy.</p> <p><b>Amount:</b> \$51,437.92</p> <p><b>Component Description:</b> Interim Transmitter Generator. Cost split 50/50 with KYW-TV.</p> <p><b>Amount:</b> \$29,393.10</p>

STL to Interim Site	<p><b>Component Description:</b></p> <p>Invoice is for frequency coordination of studio transmitter link. The non-reimbursable expedited Service Charge has been excluded.</p> <p><b>Amount:</b></p> <p>\$650.00</p>
Temp Roadway 1	<p><b>Component Description:</b></p> <p>Temporary access roadway required for construction of interim tower ice bridge. Please see Attachment 99 for proposal. Cost split 50/50 with KYW-TV.</p> <p><b>Amount:</b></p> <p>\$22,493.00</p>
Temp Roadway 2	Information not provided.
Interim Bldg. Asbestos Removal	<p><b>Component Description:</b></p> <p>Asbestos removal. Cost shared 50/50 with KYW-TV.</p> <p><b>Amount:</b></p> <p>\$2,895.00</p>

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$7,839,217.66	\$7,149,499.53
			\$5,629,681.52

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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.

<p>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.</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><b>Andrew J Siegel</b>  <i>Assistant Secretary</i></p> <p>01/15/2021</p>



Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>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).</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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><b>Andrew J Siegel</b>  <i>Assistant Secretary</i></p> <p>01/15/2021</p>

## Attachments