

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

### FCC Form 399: Reimbursement Request

Facility ID:	1	Service: DTV	Call Sign:	WPSG	Channel: 33 (UHF)
File	000002	7372			
Number:					
FRN: <b>00</b>	03742608	Date	08/26		
		Submitted:	/2020		

### Applicant Name, Type, and Contact Information

### Information

Applicant	Address	Phone	Email	Applicant Type
PHILADELPHIA TELEVISION STATION WPSG, INC. Doing Business As: PHILADELPHIA TELEVISION STATION WPSG, INC.	Daniel G. Ryson 2020 M. St., NW - Licensing DEPT WASHINGTON, DC 20036 United States	+1 (202) 457- 4505	DRYSON@CBS. COM	Corporation

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

#### **Preparer Contact Name and Information** Preparer Contact Applicant Address Email Phone Information **Daniel G Ryson** Daniel G. Ryson +1 (202) 457dryson@cbs. Director of Spectrum 2020 M. St., NW -4074 com Management Licensing DEPT **ViacomCBS** Washington, DC 20036 **United States**

Broadcaster	Question	Response
Information and Transition Plan	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	Existing Transmitter Information			
Transmitter	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		
	Manufacturer and Type	Model	Sigma CD200P2	
		Year	1999	
		Туре	Inductive Output Tube	
		IOT Power Type	Two	
		Power Capacity	50 kW	

#### **Existing Transmitter Information**

Primary	New Transmitter Costs			
Transmitter	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	Other Transmitter Costs		
Transmitter	Section	Qu	

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
	Туре	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 leashold 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	Other Transmitter Cost Not Listed	
Transmitter	Name	Description

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

Interim	New Transmitter Costs			
Transmitter	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.	

#### Other Transmitter Costs

Interim

Transmitter	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
	Туре	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 leashold 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 Other Transmitter Cost Not Listed

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

Shipping	Transmitter Shipping. See Attachment 4,
	Page 1.

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	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	
		Туре	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	New Antenna Costs			
Antenna	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	Тор	
		Polarization	Elliptical	
		Туре	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		
			1	

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

Primary	Other Antenna Costs			
Antenna	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No	
		Туре		
		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	

#### Other Antenna Costs

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	New Antenna Costs			
Antenna	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	
		Туре	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.

Interim	Other Antenna Costs			
Antenna	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	

#### Other Antenna Costs

Interim Other Antenna Cost Not Listed

Antenna Information not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

ransmissio	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	Manufacturer	
	Line Manufacturer and Type	Туре	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 Existing Transmission Line

Primary	New Transmission Line		
Transmissio	n 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
		Туре	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 to me tion not provided.

Interim	New Transmission Line		
Transmissio	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	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 Other Transmission Line Expenses Not Listed

Transmission hometion not provided.

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

Auxiliary	Add Tower			
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	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1035474	
	Coordinates (NAD83 ( North American Datum of	Latitude (NAD83)	40° 02' 33.0" N-	
	1983))	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 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 Rigging Costs

Tower

Tower

Section

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

### Other Tower Expenses Not Listed

Auxiliary Tower

Information not provided.

Auxiliary	Add Tower			
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	Latitude (NAD83)	40° 02' 39.0" N-	
	1983))	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 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 Rigging Costs

#### Tower

Tower

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

Auxiliary Tower	Other Tower Expenses Not Listed		
	Name	Description	
	Structural Engineering Interim Tower	Structural Engineering Interim Tower	

Primary	Existing Tower		
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	Do you have a tower registration number?	Yes
	Structure Registration	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
1283	WDPN-TV	DTV
28480	WPPT	DTV
12211	WPPZ-FM	FM
51984	WPPX-TV	DTV
9622	WOGL	FM
65190	WRTI	FM
63153	WCAU	DTV
60560	WUVP-DT	DTV
30572	WPHI-FM	FM
51434	WTDY-FM	FM
7623	WGTW-TV	DTV
74213	WXTU	FM
28628	WIP-FM	FM

# Primary Tower Modification Costs

Tower 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

### Primary Tower Section

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

### Primary Tower Name

Name	Description
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.
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.

Outside	Section	Question	Response
Professional	I Services Costs 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	Other Professional Services E	Expenses Not Listed
Professiona	II Şervices Costs	Description

rofessional	Services Costs	Description
	Transmitter Engineering	Interim Transmitter Installation Engineering Design Progress Payment. Split 50/50 with KYW-TV

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 Not Listed

Other Expenses

Name	Description
FCC Filing Fee - STL	FCC Filing Fee for Studio Transmitter Link Microwave
Interim Bldg. Asbestos Removal	Interim Bldg. costs for Asbestos Removal.
Interim Bldg. Contingency	Interim Bldg. misc costs from GC, electrical mechanical, and fire suppression subcontractors.
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
Interim Site Generator	Interim Transmitter Generator. Cost split 50 /50 with KYW-TV.
STL to Interim Site	Studio to Transmitter Link Hardware.
Temp Roadway 2	Temporary Roadway Required for Antenna Delivery to Site.
Temp Roadway 1	Temporary Roadway Required for Ice Bridge Construction.

#### Transmitters

#### Cost Information

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

Description Interim Transmitter Maxiva ULXTE-40	Predetermined Cost Estimate \$1,222,901.70	Estimated Cost \$1,039,516.90	Estimated Cost Justification	Actual Cost \$887,316.90	Actual Cost Justification
RF Accessories	\$78,062.54	\$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.
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.

Shipping	\$20,799.98	\$20,799.98	Transmitter Shipping from Factory based on actual cost. Please see Attachment 105.	\$20,799.98	N/A
5 Ton system	\$20,250.00	\$19,250.00	Widelity Cost Catalog estimate	N/A	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. Widelity Cost Catalog pricing used.	N/A	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$7,575.00	\$7,200.00	N/A	N/A	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.	\$1,002,711.62	N/A

Electrical Accessories accessories\$75,592.24\$15,592.24Transmitter Electrical Accessories, Step-Down Transformer and Parallel Surge Suppressor. See Attachment 19A - tem D.\$15,592.24N/ARF Accessories, Switching\$222,458.05RF Accessories, and Switchings\$232,458.05RF Accessories, and Switchings\$232,458.05N/AUHF - Liquid Cooled Sold State Transmitter Sold State Transmitter To a locked because line has been superseded. ""This cost is for an IOT transmitter Transmitter To and locked because line HPO-lonly ERP. See Engineering Statement, Transmitter To and locked because line HPO-lonly ERP. See Engineering Statement, To an IOT transmitter To an IOT transmit						
Accessories SwitchingAccessories and Switchless Combiner. Replaces Similar Existing Combiner. See Attachment 19A Item C.UHF - Liquid Cooled Solid State Transmitter 50.6 kW\$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 HPO-lonly ERP. See Engineering Statement, Attachment 3, and Attachment T,\$1000000000000000000000000000000000000		\$15,592.24	\$15,592.24	Electrical Accessories. Includes Step-Down Transformer and Parallel Surge Suppressor. See Attachment	\$15,592.24	N/A
CooledNotice:Solid StateEstimateTransmitteradjusted50.6 kWand lockedbecause linehas beensuperseded.***This costis for an IOTtransmittercapable ofmeeting theHPol-onlyERP. SeeEngineeringStatement,Attachment3, and3, andAttachment7.7.	Accessories,	\$232,458.05	\$232,458.05	Accessories and Switchless Combiner. Replaces Similar Existing Combiner. See Attachment	\$232,458.05	N/A
Sub-total         \$3,158,571.84         \$2,973,812.04         N/A         \$2,661,718.39         N/A	Cooled Solid State Transmitter	\$502,839.60	\$502,839.60	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	\$502,839.60	N/A
	Sub-total	\$3,158,571.84	\$2,973,812.04	N/A	\$2,661,718.39	N/A

Total for all	\$7,449,449.91	\$6,499,558.28	N/A	\$4,909,232.63	N/A
systems					

Actual Information Description	File Name	
RF Accessories		
	Component Description:	1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the RF Accessories are shown here.
	Amount:	\$26,020.85
	Component Description:	Please see Attachment 53.
	Amount:	\$52,041.69

UHF - Liquid Cooled Solid		
State Transmitter 21 - 31 kW	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:	Please see Attachment 53.
	Amount:	\$171,249.13
	Component Description:	Transmitter installation, change orders, and freight. Please see Attachment 70 for details.
	Amount:	\$58,656.27
Shipping	Component Description:	Transmitter shipping. Please see Attachment 70.
	Amount:	\$10,258.34

Electrical Accessories		
	Component Description:	1/3 progress
		payment. Invoice
		icludes cost of
		transmitter, mask
		filter, installation,
		RF Accessories,
		and Electrical.
		Only the Electrica
		Accessories are
		shown here.
	Amount:	\$2,460.27
	Component Description:	Please see
		Attachment 53.
	Amount:	\$4,920.55
UHF inside RF system including switching	Information not provided.	
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Other Electrical Service:	Information not provided.	
One hundred feet each of		
two-inch and three-inch		
conduit.		

5 Ton system		
	Component Description:	Down Payment for Interim transmitter HVAC unit. Pleas see Attachment 101 for proposal. Cost split 50/50 with KYW-TV.
	Amount:	\$1,990.80
	Component Description:	Down Payment for Interim transmitter HVAC unit. Pleas see Attachment 101 for proposal. Cost split 50/50 with KYW-TV. \$8,162.20
	Amount.	φο, 102.20
Shipping		
	Component Description:	Transmitter freight. Please se Attachment 105.
	Amount:	\$20,799.98
5 Ton system	Information not provided.	
Other Electrical Service: 100 feet each of two-inch and three-inch conduit.	Information not provided.	
4" Rigid Conduit and Wiring	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 63.4 kW	Component Description:	Transmitter Progress Payment. See Attachment 35B and Attachment 19A - Revised Transmitter Quote Q-80768. \$453,126.41
	Component Description:	Final Primary Transmitter Installation, Proof, and Changes. Freight listed separately. Please see Attachment 105 for quotations. \$122,006.64
	Component Description:	Transmitter Payment Three. See Attachment 36B and Attachment 19A - Revised Transmitter Quote Q-80768. \$427,578.57

Electrical Accessories		
	<b>Component Description:</b>	Transmitter
		Progress
		Payment. See
		Attachment 35B
		and Attachment
		19A - Revised
		Transmitter Quote
		Q-80768.
	Amount:	\$8,022.28
	Component Description:	Transmitter
	component Description.	Progress
		Payment. See
		Attachment 36B
		and Attachment
		19A - Revised
		Transmitter Quote
		Q-80768.
	Amount:	\$7,569.96
RF Accessories, Switching		
	<b>Component Description:</b>	Transmitter
		Progress
		Payment. See
		Attachment 35B
		and Attachment
		19A - Revised
		Transmitter Quote
		Q-80768.
	Amount:	\$119,600.64
	Component Description:	Transmitter
	-	Progress
		Payment. See
		Attachment 36B
		and Attachment
		19A - Revised
		Transmitter Quote
		Transmitter Quote Q-80768.

State Transmitter 50.6 k	Component Description:	Transmitter 1/3
		Down Payment.
		See Attachment
		19 and
		Attachment 18 -
		Revised
		Transmitter Quote
		Q-74288.
	Amount:	\$502,839.60

#### Antennas

## Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-24WB /VP C160	\$365,240.00	\$125,264.00		\$83,780.00	
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

UHF -	\$103,100.00	\$91,864.00	***System	\$80,580.00	N
Lower			Notice:		
Power Side			Estimate		
Mount, One			adjusted		
Station			and locked		
antenna .			because		
medium			line has		
power (50-			been		
200 kW),			superseded.		
elliptically			***Please		
or circularly			see		
polarized			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.		
Sweep test	\$6,730.00	\$6,400.00	N/A	\$3,200.00	N
of existing					
antenna					
Side mount	\$23,150.00	\$22,000.00	N/A	N/A	N
brackets for					
high power					
antennas (if					
not					
included in					
antenna					
base cost)					

Pattern scatter	\$5,260.00	\$5,000.00	N/A	N/A	N/A
analysis for side mount					
high/med					
power antennas (if					
not					
included in					
antenna					
base cost)					
Primary Antenna TFU-24ETT /VP-R 4C150	\$357,486.00	\$263,962.00		\$237,565.80	
UHF - High	\$289,500.00	\$198,308.00	See	\$178,477.20	N/A
Power Top			Attachment		
Mount (200-			23 Line 1		
1000 kW),			(cost of		
One station			vertical		
antenna, elliptically			polarization component		
or circularly			subtracted		
polarized			from cost		
			shown.)		
Wedding	\$28,050.00	\$28,050.00	Required to	\$25,245.00	N/A
Cake			top mount		
Adapter			antenna in		
			a stack.		
			See Attachment		
			23.		
Feed	\$20,906.00	\$20,906.00	Required	\$18,815.40	N/A
Through			elbows, cut		
Components			lengths and		
			hangers to		
			route line		
			from antenna		
			input		
			through		
			antenna		
			below into		
			tower. See		
			A · · · · ·		
			Attachment 23.		

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
Sub-total	\$722,726.00	\$389,226.00	N/A	\$321,345.80	N/A
Total for all systems	\$7,449,449.91	\$6,499,558.28	N/A	\$4,909,232.63	N/A

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	Information not provided.	
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	Component Description: Amount:	Please see estimates and explanation in Exhibit 71. \$80,580.00
Sweep test of existing antenna	Component Description: Amount:	Please see estimate in Attachment 71. Cost split equally with KYW-TV. \$3,200.00

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.	
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 fo 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 fo the V-Pol upgrade now or in the future.
	Amount:	\$89,238.60

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

Feed Through Components		
	Component Description:	Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Feed Through Components Progress Payment is shown here. \$9,407.70
		<b>+</b> -, · - · · -
	Component Description:	Invoice includes cost of antenna, line, and various other components. Only the Feed Through Components Down Payment is shown here.
	Amount:	\$9,407.70
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	Invoice includes cost of antenna, line, and various other components. Only the Elbow Complex Down Payment is shown here.
	Amount:	\$4,634.10
	Component Description:	Invoice includes cost of antenna, line, and various other components. Only the Elbow Complex Progress Payment is shown here.
	Amount:	\$4,634.10

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

#### **Transmission Line**

#### Cost Information

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	\$92,556.80		\$92,556.80	
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
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	\$283,222.80	N/A	\$264,156.20	N/A
Total for all systems	\$7,449,449.91	\$6,499,558.28	N/A	\$4,909,232.63	N/A

Actual Information	
Description	File Name

ee
and
ion in
ent 71.
t equally
V-TV.
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ee
in
ent 71.
red
vith KYW-
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and
ion in
ent 71.
t equally
V-TV.
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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

## **Tower Equipment and Rigging Costs**

#### Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Primary Tower GTOWER	\$456,355.00	\$496,255.00		\$281,600.00	
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
Structural Engineering	\$4,888.00	\$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

Auxiliary Tower TOWER	\$926,300.00	\$692,250.00		\$86,278.50	
antonnaoj			60.		
stacked antennas)			removed. See Attachment		
and/or			line to be		
candelabras			Transmission		
those with			candelabra.		
example,			stack on a		
(includes, for			the top of a		
Tower			removed is		
Complex	\$421,000.00	\$481,000.00	Antenna to be	\$281,600.00	N/A
			Line 1-B-1.		
			Attachment 9		
			See		
			construction.		
			deliveries and		
			the site		
			involved with		
			and vendors		
			broadcasters, contractors,		
			other		
			tower owner,		
Meeting			meetings with		
Coordination			coordination		
Site	\$1,667.00	\$1,667.00	Site	N/A	N/A
			Line 1-A-1.		
			repack. See Attachment 9		
			during the		
			occurring		
			schedules		
			timelines and		
			of the		
			management		
			and		
			Scheduling		
			tower owner.		
Management			fee from		
Management			management		

Structural Engineering Interim Tower	\$58,000.00	\$58,000.00	Structural studies of various antenna and transmission line configuration options on interim tower. Please see Attachments 94 and 97 for quotations.	\$12,875.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$421,750.00	Antenna and transmission line installation. See estimates Attachment 58 and 62. Total cost is shared with KYW-TV (Facility ID 25453). Tower is complex due to stacked antennas.	\$36,425.00	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 Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV.	\$8,750.00	N/A

Sub-total	\$1,619,455.00	\$1,380,467.37	cost is shared with KYW-TV. N/A	\$526,290.87	N/A
			(Attachment 41) Half of		
			of Tower Ice Bridge quote		
			38) plus 50%		
			(Attachment		
,			quote		
(greater than 500')			Antenna and Line Rigging		
Tall Tower	\$210,500.00	\$179,462.37	50% of Antenna and	\$154,462.37	N/A
study					
necessary for tower load					
documentation			25453).		
preparation of			(Facility ID		
tower and			KYW-TV		
documented			shared with		
undocumented /poorly			pricing. Half of cost is		
an			Catalog		
mapping for			Widelity Cost		
Tower	\$26,300.00	\$12,500.00	50% of	\$3,950.00	N/A
ower TOWER	<i><b>4</b></i> <b>-0000000000000</b>	<i><b>•</b></i> •••• <b>•</b> •••••••••••••••••••••••••••		¢,	
Auxiliary	\$236,800.00	\$191,962.37		\$158,412.37	
			KYW-TV.		
			of cost is shared with		
			pricing. Half		
modifications			Catalog		
einforcement modifications			Widelity Cost		

Actual Information	
Description	File Name

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

Structural Engineering		
Interim Tower	Component Description:	Structural analysis and design of prospective tower extension design. Please see Attachment 97 for proposal. Cost is split 50/50 with
	Amount:	KYW-TV \$9,875.00
	Component Description:	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. \$3,000.00
Complex Tower (includes,		
for example, those with candelabras and/or stacked antennas)	Component Description:	Down payment for antenna and transmission line removal and replacement. See quote in attachment 58. \$36,425.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary		

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. \$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. \$4,375.00
Component Description: Amount:	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. \$4,375.00

Component Description:	This is a duplicated invoice, which has been superseded by Attachment 12C. Please permanently delete or reject this invoice as an administrative correction. N/A
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:	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. \$4,375.00

Major tower reinforcement /modifications	Component Description:	Install grounding. Please see quotation provided as Attachment 56. Cost splilt 50/50 with KYW-TV.
	Amount:	\$6,928.50
		<b>.</b>
	Component Description:	Remove old transmission lines
		from tower. Cost
		split 50/50 with
		KYW-TV. Please
		see Attachment 54
		for quotation.
	Amount:	\$21,300.00

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. \$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. \$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. N/A

Tall Tower (greater than		
500')	Component Description:	Initial payment to
	eempenen 2000 pilon	Install ice bridge.
		Cost is shared 50
		/50 (fractional
		cents rounded
		down) with KYW-
		TV.
	Amount:	\$26,842.37
	Anount.	Ψ <b>20</b> ,0 <del>4</del> 2.07
	Common and Deconingian	
	Component Description:	Progress payme costs to Install
		antenna, line, an
		assist with tuning
		Cost is shared 5
		/50 with KYW-T\
	Amount:	\$52,275.00
	Amount.	ψ <b>32,27</b> 3.00
	Component Description:	Down payment
		costs to Install
		antenna, line, an
		assist with tuning
		Cost is shared 5
		/50 with KYW-T∖
	Amount:	\$52,275.00
	Component Description:	Progress payme
		to Install ice brid
		Cost is shared 50
		/50 with KYW-T∖
	Amount:	\$23,070.00

## **Outside Professional Services**

#### Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$109,805.00	\$106,400.00		\$53,450.00	
Transmitter Engineering	\$50,900.00	\$50,900.00	Transmitter Installation Electrical Engineering. Please see Attachment 83 for estimate.	\$50,900.00	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
Project management of the transition	\$39,500.00	\$37,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	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
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	\$109,805.00	\$106,400.00	N/A	\$53,450.00	N/A
Total for all systems	\$7,449,449.91	\$6,499,558.28	N/A	\$4,909,232.63	N/A

Actual Information		
Description	File Name	
Transmitter Engineering		
	Component Description: Amount:	Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV. \$13,234.00
	Component Description:	Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV
	Amount:	\$4,581.00

Component Description:	Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV \$5,090.00
Component Description:	Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV. Partial Payment. \$12,725.00
Component Description:	Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV \$7,635.00
Component Description:	Interim Transmitter Installation Engineering Design Progress Payment. Split 50 /50 with KYW-TV \$7,635.00
	Amount:   Component Description:   Amount:   Amount:   Component Description:

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare FCC Form 2100 CP Application, Engineering Section.
	Amount:	\$1,375.00
Project management of the transition	Information not provided.	
Prepare request for Special Temporary Authorization	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:	Further
	Amount:	interference study \$562.50
	Component Description:	Preliminary interference study
	Amount:	\$612.50
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	

## **Other Expenses**

## Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatior
Other Expenses	\$1,373,320.07	\$1,366,430.07		\$1,082,271.37	
Temp Roadway 1	\$22,493.00	\$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	\$9,988.00	\$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

STL to Interim Site	\$99,008.57	\$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
Interim Site Generator	\$293,931.00	\$293,931.00	Interim Transmitter Generator. Cost split 50 /50 with KYW- TV. Please see Attachment 90 for quotation.	\$146,965.50	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.	\$324,617.48	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.	\$75,240.00	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.	\$449,270.48	N/A
Interim Bldg. Contingency	\$42,456.50	\$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. Asbestos Removal	\$2,895.00	\$2,895.00	Please see quotation Attachment 63. Cost shared 50/50 with KYW-TV.	\$2,895.00	N/A

Equipment Delivery and Handling Charges	\$15,000.00	\$15,000.00	N/A	\$12,710.77	N/A
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	\$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
Disposal Costs (for equipment and other waste, net of any salvage value)	\$20,000.00	\$20,000.00	N/A	N/A	N/A
FCC Filing Fee - STL	\$340.00	\$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
MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	N/A	N/A	N/A
Local Zoning	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Sub-total	\$1,373,320.07	\$1,366,430.07	N/A	\$1,082,271.37	N/A

Total for all	\$7,449,449.91	\$6,499,558.28	N/A	\$4,909,232.63	N/A
systems					

## Components

Actual Information Description	File Name	
Temp Roadway 1		
	Component Description:	Temporary access roadway required for construction of interim tower ice bridge. Please see Attachment 99 for proposal. Cost split 50/50 with KYW- TV.
	Amount:	\$22,493.00
Temp Roadway 2	Information not provided.	
STL to Interim Site		
	Component Description:	Invoice is for frequency coordination of studio transmitter link. The non- reimbursable expedited Service Charge has been excluded. \$650.00
	Amount:	900UUU

Interim Site Generator		
	Component Description:	Interim Transmitter Generator. Cost split 50/50 with KYW-TV
	Amount:	\$66,134.47
	Component Description:	Interim Transmitter Generator. Cost split 50/50 with KYW-TV.
	Amount:	\$29,393.10
	Component Description:	Interim Transmitter Generator. Cost split 50/50 with KYW-TV
	Amount:	\$51,437.93
nterim 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 progress
Component Description:	payment for
Component Description:	payment for building General
Component Description:	payment for building General Contractor, Mech
Component Description:	payment for building General Contractor, Mech subcontractor, Elec
Component Description:	payment for building General Contractor, Mech subcontractor, Elec Contractor, and
Component Description:	payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and
Component Description:	payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This
Component Description:	payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is GC and
Component Description:	payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is GC and Mech Contractor.
Component Description:	payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is GC and
Component Description:	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-
Component Description:	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
Component Description:	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
	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.

	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. \$16,230.87
	Aniount.	ψ10,200.07
	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. \$129,847.00
Interim Bldg. Fire Detection		

Component Description:	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. \$3,762.00
Component Description:	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. \$3,762.00

Component Description:	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. \$18,810.00
Component Description:	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.
Amount:	\$30,096.00

	Component Description:	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. \$18,810.00
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:	\$112,317.62

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. \$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. \$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
		¢112,01102
	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
	Amount:	cost is shown here. \$179,708.20
		¢170,700.20
Interim Bldg. Contingency		
	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
	Amount:	cost is shown here. \$4,307.50
		+ 1,001.00

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. \$3,114.90
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. \$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. \$2,904.00

Component Description: Amount:	Invoice is for various costs of General Contractor, Mech subcontractor, Ele Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here \$7,567.50
Component Description:	Invoice is for various costs of General Contractor, Mech subcontractor, Ele Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here \$9,395.74
Component Description:	Invoice is for various costs of General Contractor, Mech subcontractor, Ele Contractor, and Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted
	cost is shown here

nterim Bldg. Asbestos Removal	Component Description:	Asbestos removal. Cost shared 50/50
	Amount:	with KYW-TV. \$2,895.00
Equipment Delivery and		
Handling Charges	<b>Component Description:</b>	Please see
		estimate in
		Attachment 71.
		Cost split equally
		with KYW-TV.
	Amount:	\$7,235.51
	Component Description:	Please see
		estimate in
		Attachment 71.
		Cost split equally
		with KYW-TV.
	Amount:	\$1,829.90
	Component Description:	Please see
		estimate in
		Attachment 71.
		Costs split equally
		with KYW-TV.
	Amount:	\$641.61
	Component Description:	Please see
	• • • • • • • •	estimate in
		Attachment 71.
		Cost split equally
		with KYW-TV.
	Amount:	\$3,003.75

Notification	Component Description: Amount:	Health Care Facility Notification. See quote provided a Attachment 32. \$4,675.00
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
FCC Filing Fee - STL	Component Description: Amount:	Please see Attachment 34. \$170.00
	Component Description: Amount:	Please see Attachment 33. \$170.00
MVPD Notification of Channel Change	Information not provided.	
Local Zoning	Information not provided.	

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$7,449,449.91	\$6,499,558.28	\$4,909,232.63

Reimbursem	entestiatus	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	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.	
		<ol> <li>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>The above-named</li> </ol>	
		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).
- 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 08/26/2020

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 IMPRISIONMENT (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> <li>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> </ol>	
		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).
- 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.

	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	Andrew J Siegel Assistant Secretary
		08/26/2020

## Attachments