Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **51991** | Service: **DTV** | Call Sign: **WPSD-TV** | Channel: **19 (UHF)**

File Number: **0000027228**

FRN: **0003763927** | Date Submitted: **04/10/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WPSD-TV, LLC Doing Business As: WPSD-TV, LLC	Richard E. Paxton 201 SOUTH 4TH STREET PADUCAH, KY 42002 United States	+1 (202) 662-5120	RPAXTON@PAXTONMEDIA.COM	Limited Liability Company

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
Dan Wilson *WPSD Chief Engineer* *WPSD TV, LLC*	100 Television Lane Paducah , KY 42003 United States	+1 (270) 415-1938	dwilson@wpsdlocal6.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.	No
Briefly describe transition plan	We will install a DTV 32 aux TX in the existing building feeding a side mount antenna with 4" flex @ 800' level with a ERP of 200 kW. Once the aux is online, we will then remove the main DTV 32 TX and install a new DTV 19 TX that will feed a new antenna

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	CD3200P2-CF
	Year	2003
	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	ULXTE 72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	Our existing DTV channel 32 is not tunable or upgradable to channel 19.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A

	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	500.0 square feet
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	20 kW
	Justification for New Transmitter	We will need a temporary TX to operate on ch. 32 while the new main ch. 19 is installed. The TX building doesn't have space or utilities for 2 main TX's to co-exist. There would be enough space for a small temporary TX.

Interim Transmitter

Other Transmitter Costs

Section	Question	Response

Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	50.0 feet
	Other Electrical Service	Yes
	Description	200A disconnect and distribution panel
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	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 Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	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)	906.0 kW

Manufacturer	
Model	TUV-36GTH /4MR O4
Year	2003

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?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top 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)	679.0 kW
	Manufacturer	

Model	TFU-31JTH /VP-R 04
Year	2017
Justification for New Antenna	Existing DTV 32 antenna is not tunable and is stacked with a NTSC channel 6.

Primary Antenna

Other Antenna Costs

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

Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	473.00 MHz
	Upper Limit	695.00 MHz
	Design power capacity in use	95.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	200.0 kW
	Manufacturer	
	Model	TFU-8WB-C160
	Year	2017

	Justification for New Antenna	Needed for continued operation on ch. 32 while the existing main TX 32 is removed and then replaced with the new ch. 19 TX. The temporary TX will be retunable to ch. 19 and then afterward designated as an backup TX.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	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

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

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	Flexible Air
	Diameter	4 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	900 feet per run

Justification for New Transmission Line	This line will be needed for the temporary or aux TX and antenna which will be installed in the TX building. This TX will be the temporary ch. 32 on air while the existing main TX is removed. The new ch. 19 can then be installed.

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

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	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1042698
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	37° 11' 31.2" N-
	Longitude (NAD83)	088° 58' 53.2" W-
	Overall Structure Height	1626.95 feet
	Support Structure Height	1550.83 feet
	Ground Elevation Above Mean Sea Level (AMSL)	361.87 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WPSD-TV, LLC
Date Constructed	04/13/2004

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	Yes

Primary Tower

Other Tower Expenses Not Listed

Name	Description
TCI	Because of weather delays the tower company will not be here until the end of April. the helicopter company Erickson can do the job on March 21-22, 2020 for an additional cost of $275,280.00. This option would make our FCC permit deadline.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	1000
	Explanation	Because of the complexity of our TX site and the age of the tower, we will need severe tower modifications in order to comply with the new G type mods. The last analysis was in 2003 for F type mods. Installing an aux TX will be a needed to stay on air.
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	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	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A

	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	Yes
	FCC Construction Permit Minor Change	Yes
	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?	No
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Information not provided.

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 ULXTE-30	**$878,350.00**	**$736,250.00**		**$671,325.09**	
UHF inside RF system including switching	$147,500.00	$50,000.00	N/A	$31,435.19	N/A
Other Electrical Service: 200A disconnect and distribution panel	***$20,000.00***	$20,000.00	N/A	$11,900.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$1,300.00	$1,250.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	$25,550.00	$15,000.00	N/A	$4,237.03	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$650,000.00	N/A	$623,752.87	N/A
Primary Transmitter ULXTE 72	**$1,583,250.00**	**$1,434,250.00**		**$1,360,237.06**	

Other -- Building Addition Size: 500.0	***$15,000.00***	$15,000.00	N/A	$8,631.00	N/A
5 Ton system	$20,250.00	$19,250.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	$36,800.00	$20,000.00	N/A	$10,673.82	N/A
Switchgear - industrial 800 amp	$38,200.00	$30,000.00	N/A	$5,602.80	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	$1,473,000.00	$1,350,000.00	N/A	$1,335,329.44	N/A
Sub-total	$2,461,600.00	$2,170,500.00	N/A	$2,031,562.15	N/A
Total for all systems	$4,732,524.89	$3,942,288.89	N/A	$3,483,050.43	N/A

Components

Actual Information	
Description	**File Name**

UHF inside RF system including switching	**Component Description:** **Amount:**	Payment for the Change Order #Q-79130 for needed RF supplies during the ULXTE-30 installation. $3,719.70
	Component Description: **Amount:**	Down payment on RF Systems. $9,882.18
	Component Description: **Amount:**	Payment 2 of 3 is due for ULXTE-30 RF equipment before shipping. $9,238.50
	Component Description: **Amount:**	Final payment on RF System for ULXTE-30. $8,594.81
Other Electrical Service: 200A disconnect and distribution panel	**Component Description:** **Amount:**	Final payment for Aux TX electrical installation. $2,380.00
	Component Description: **Amount:**	For Electrical services and equipment for Aux TX. $9,520.00
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 150 KVA	**Component Description:**	Payment 2 of 3 is due for ULXTE-30 electrical equipment before shipping.
	Amount:	$1,412.34
	Component Description:	Down Payment on KVA transformer.
	Amount:	$1,510.30
	Component Description:	Final payment on electrical for the ULXTE-30.
	Amount:	$1,314.39
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:**	Cost for retune to post repack channel because of tower work delays from virus pandemic.
	Amount:	$9,831.00
	Component Description:	Payment 2 of 3 due on ULXTE-30 before shipping.
	Amount:	$192,894.66
	Component Description:	Unistrut and PVC Conduit supplies for Aux TX install.
	Amount:	$144.12

	Component Description:	Final payment on ULXTE-30 including tax and freight.
	Amount:	$217,030.39
	Component Description:	Oxygen gas for silver soldering transmission line.
	Amount:	$38.17
	Component Description:	Unistrut supplies for Aux TX install.
	Amount:	$50.99
	Component Description:	Unistrut and conduit for Aux TX install.
	Amount:	$89.35
	Component Description:	Conduit and Unistrut supplies for Aux TX install.
	Amount:	$94.76
	Component Description:	Down payment for ULXTE-30 transmitter and install.
	Amount:	$203,579.43
Other -- Building Addition Size: 500.0	**Component Description:**	Building addition for an Ice Shield and Security fencing for the Aux TX.
	Amount:	$8,631.00

5 Ton system	Information not provided.	
Transformer 3 phase/480v - 300 KVA	**Component Description:** **Amount:**	KVA Transformer $6,880.97
	Component Description: **Amount:**	Down payment on electrical KVA transformer. $3,792.85
Switchgear - industrial 800 amp	**Component Description:** **Amount:**	Electrical install down payment for ULXTE-72. $5,602.80

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	**Component Description:**	Down Payment on ULXTE-72, RF system and install.
	Amount:	$473,832.98
	Component Description:	Pre-shipping invoice due for ULXTE-72 transmitter.
	Amount:	$449,091.25
	Component Description:	ULXTE-72 Transmitter after delivery
	Amount:	$407,920.21
	Component Description:	Remote control system for ULXTE-72 Transmitter to Studio link.
	Amount:	$6,474.00
	Component Description:	Remote control system for ULXTE-72 and ULXTE-30.
	Amount:	$4,485.00

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-8WB-C160	**$246,609.89**	**$56,779.89**		**$56,779.89**	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$6,400.00	Dielectric says that the repack sweep expense listed on previous invoices was not for the sweep procedure, but was for other expenses.
UHF â€“ Broadband Panel, Side Mount Auxiliary /Interim, 200 horizontally polarized	***$0.00***	$0.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	$189,500.00	$0.00	N/A	N/A	N/A

UHF – Broadband Panel, Side Mount Auxiliary /Interim, 200 horizontally polarized	***$50,379.89***	$50,379.89	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$50,379.89	N/A
Primary Antenna TFU-31JTH /VP-R 04	**$308,530.00**	**$290,624.00**		**$259,555.44**	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	$12,300.00	$13,224.00	Cost of Elbow Complex and Reducer to Transmission Line.	$12,713.04	An error was made on a 1/26 /2018 expense from Invoice MAN00202 where we added lines 4 and 5 to the elbow complex component. These should have been included in the antenna component expense.
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$5,760.00	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$271,000.00	N/A	$241,082.40	N/A
Sub-total	$555,139.89	$347,403.89	N/A	$316,335.33	N/A
Total for all systems	$4,732,524.89	$3,942,288.89	N/A	$3,483,050.43	N/A

Components

Actual Information Description	File Name

Sweep test of existing antenna	**Component Description:** **Amount:**	For Repack Sweep of Aux line and Antenna. $640.00
	Component Description: **Amount:**	45% Due for RF Sweep Prior to Shipping Aux Antenna. $2,880.00
	Component Description: **Amount:**	45% Down payment on RF sweep. $2,880.00
	Component Description: **Amount:**	45% Down Payment on RF Sweep of Aux Antenna. $2,880.00
UHF â€“ Broadband Panel, Side Mount Auxiliary/Interim, 200 horizontally polarized	Information not provided.	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	Information not provided.	

UHF – Broadband Panel, Side Mount Auxiliary/Interim, 200 horizontally polarized	**Component Description:** **Amount:**	Final payment on antenna. $9,828.67
	Component Description: **Amount:**	45% Payment Due Prior to Shipping Aux Antenna. $20,216.25
	Component Description: **Amount:**	45% Down payment on Aux antenna. $20,216.25
	Component Description: **Amount:**	Angle iron metal for Aux Antenna mounting. $118.72
	Component Description: **Amount:**	45% Down Payment on Aux Antenna. $20,216.25

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:** **Amount:**	Elbow complex for antenna. $4,942.80
	Component Description: **Amount:**	Tax on Elbow Complex and Reducer. $793.44
	Component Description: **Amount:**	Elbow Complex and reducer. N/A
	Component Description: **Amount:**	45% Down payment on elbow complex and reducers for main antenna. $6,976.80
Sweep test of existing antenna	**Component Description:** **Amount:**	Repack sweep for antenna. $2,880.00
	Component Description: **Amount:**	45% Down payment on RF sweep test for main antenna. $2,880.00

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:**	Taxes due on antenna less the V-Pol option.
	Amount:	$13,898.40
	Component Description:	Antenna cost less the V-POL option.
	Amount:	$16,674.00
	Component Description:	Main top antenna expense less the vertical component.
	Amount:	$106,272.00
	Component Description:	45% Down payment on main high power UHF antenna less the V Pol option.
	Amount:	$104,238.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	**$66,600.00**	**$55,000.00**		**$52,866.45**	
Flexible Air Transmission Line - dielectric, 4"	$66,600.00	$55,000.00	N/A	$52,866.45	The freight part of order #930003 for the RF Line and the order#1504002 RF Line Extension added to the cost.
Sub-total	$66,600.00	$55,000.00	N/A	$52,866.45	N/A
Total for all systems	$4,732,524.89	$3,942,288.89	N/A	$3,483,050.43	N/A

Components

Actual Information Description	File Name

Flexible Air Transmission Line - dielectric, 4"	**Component Description:**	Amount due for RF Line.
	Amount:	$5,760.00
	Component Description:	This is for the 70 foot Line extension between the tower and building.
	Amount:	$9,205.89
	Component Description:	45% Due for Flexible Line Prior to Shipping Aux Antenna.
	Amount:	$18,950.28
	Component Description:	45% Down payment on 4" by 800' aux antenna flexible line.
	Amount:	$18,950.28
	Component Description:	45% Down Payment for Flexible Line for Aux Antenna.
	Amount:	$18,950.28

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
Primary Tower TOWER	**$1,275,100.00**	**$1,241,620.00**		**$1,053,600.00**	
Serious tower reinforcement /modifications	$1,052,000.00	$897,620.00	N/A	$759,896.00	N/A
Tall Tower (greater than 500')	$210,500.00	$334,000.00	Estimated cost for installing the auxillary and main antenna.	$285,064.00	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$10,000.00	N/A	$8,640.00	N/A
TCI	***$0.00***	$0.00	N/A	N/A	N/A
Tower Helicopter Lift	***$0.00***	$0.00		N/A	N/A
Sub-total	$1,275,100.00	$1,241,620.00	N/A	$1,053,600.00	N/A
Total for all systems	$4,732,524.89	$3,942,288.89	N/A	$3,483,050.43	N/A

Components

Actual Information Description	File Name

Serious tower reinforcement /modifications	**Component Description:** **Amount:**	Down payment for severe tall tower mods. $419,910.00
	Component Description: **Amount:**	Second payment Due on Tower Mods. $251,946.00
	Component Description: **Amount:**	Completion of Phase 1 with a change order for six weather days. $88,040.00
Tall Tower (greater than 500')	**Component Description:** **Amount:**	Second payment due on tower antenna services, plumb and tension services. $106,899.00
	Component Description: **Amount:**	Down payment on Antenna services, tower plumb and tension. $178,165.00
Structural engineering tower load study for well documented tower	**Component Description:** **Amount:**	Tall Tower study for repack. $8,640.00
TCI	Information not provided.	
Tower Helicopter Lift	Information not provided.	

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	**$322,895.00**	**$83,250.00**		**$20,396.50**	
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	$84,200.00	$0.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$0.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	$2,105.00	$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	$10,520.00	$5,000.00	N/A	$0.00	N/A

NEPA Section 106 environmental review, if needed	$6,310.00	$0.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	$4,210.00	$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,500.00	N/A	N/A	N/A

RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	$2,105.00	$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$1,290.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$1,777.50	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
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	N/A	N/A

Project management of the transition	$158,000.00	$20,000.00	N/A	$17,329.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
Sub-total	$322,895.00	$83,250.00	N/A	$20,396.50	N/A
Total for all systems	$4,732,524.89	$3,942,288.89	N/A	$3,483,050.43	N/A

Components

Actual Information Description	File Name
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** Preparation for the Form 2100 construction permit. **Amount:** $1,290.00 **Component Description:** For preparing engineering section on FCC Form 2100. **Amount:** $1,290.00

Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:** **Component Description:** **Amount:**	Engineering study for new channel assignment and antenna development. $1,777.50 For engineering studies for new repack channel. $1,777.50
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	**Component Description:** **Amount:** **Component Description:** **Amount:**	Cost for Site Survey and Line test for Repack. $17,329.00 Cost for site survey and transmission line check for the repack. $17,329.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$51,190.00**	**$44,515.00**		**$8,290.00**	
MVPD Notification of Channel Change	***$4,000.00***	$4,000.00	N/A	$3,298.00	N/A
Develop and air announcement of upcoming channel change	***$5,000.00***	$5,000.00	N/A	N/A	N/A
Equipment Storage	***$10,000.00***	$10,000.00	Main antenna storage at Dielectric.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$5,000.00***	$5,000.00	N/A	N/A	N/A
BLM or NFS Coordination	***$10,000.00***	$10,000.00	N/A	N/A	N/A
Non-zoning permits	***$2,000.00***	$2,000.00	N/A	N/A	N/A
Local Zoning	***$2,000.00***	$2,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	$1,110.00	$0.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$6,000.00	N/A	$4,992.00	N/A
Sub-total	$51,190.00	$44,515.00	N/A	$8,290.00	N/A
Total for all systems	$4,732,524.89	$3,942,288.89	N/A	$3,483,050.43	N/A

Components

Actual Information Description	File Name	
MVPD Notification of Channel Change	**Component Description:** **Amount:**	Notification of Cable Satellite MVPD providers of new channel change. $3,298.00
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
BLM or NFS Coordination	Information not provided.	
Non-zoning permits	Information not provided.	
Local Zoning	Information not provided.	

FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
DTV Medical Facility Notification	**Component Description:** Medical Facility notification of frequency and antenna pattern change to the new RF channel. **Amount:** $4,992.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$4,732,524.89	$3,942,288.89	$3,483,050.43

Reimbursement Status

Question	Response
The facility has ceased operating on its pre-auction channel.	No
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.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

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

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Dan Wilson** *WPSD Chief Engineer* 04/10/2020

Attachments