



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **51991** | Service: **DTV** | Call **WPSD-TV** | Channel: **19 (UHF)** |
ID: | Sign:
File **0000027228**
Number:
FRN: **0003763927** | Date **07/15**
Submitted: **/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 <i>WPSD Chief Engineer</i> <i>WPSD TV, LLC</i>	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 leasehold 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
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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 leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

**Interim
Transmitter**

Other Transmitter Cost Not Listed

Name	Description
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Interim TX Retune	Retune of the Interim ULXTE-30 transmitter to the repack channel 19.
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Antennas

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

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
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
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**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.
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Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	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.
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Interim **Other Transmission Line Expenses Not Listed**
Transmission Line 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**

Section	Question	Response
Services Costs 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
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Outside Professional Services Costs **Other Professional Services Expenses Not Listed**
Services 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

Name	Description
Other Transmitter Expense	Other expense associated with the ULXTE-72 transmitter install.

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	\$888,181.00	\$746,081.00		\$671,325.09	
2" Rigid Conduit and Wiring (Cost per foot)	\$1,300.00	\$1,250.00	N/A	N/A	N/A
UHF inside RF system including switching	\$147,500.00	\$50,000.00	N/A	\$31,435.19	N/A
Interim TX Retune	<i>\$9,831.00</i>	\$9,831.00	N/A	\$9,831.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	\$613,921.87	N/A
Other Electrical Service: 200A disconnect and distribution panel	<i>\$20,000.00</i>	\$20,000.00	N/A	\$11,900.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$15,000.00	N/A	\$4,237.03	N/A
Primary Transmitter ULXTE 72	\$1,588,250.00	\$1,512,050.00		\$1,481,876.09	

Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$20,000.00	N/A	\$10,673.82	N/A
Other -- Building Addition Size: 500.0	\$20,000.00	\$20,000.00	N/A	\$18,154.00	N/A
5 Ton system	\$20,250.00	\$19,250.00	N/A	\$6,753.27	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$30,000.00	N/A	\$23,495.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,422,800.00	N/A	\$1,422,800.00	N/A
Sub-total	\$2,476,431.00	\$2,258,131.00	N/A	\$2,153,201.18	N/A
Total for all systems	\$4,757,355.89	\$4,030,384.89	N/A	\$3,789,140.42	N/A

Components

Actual Information	
Description	File Name
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

UHF inside RF system including switching	<div> <div> Component Description: Amount: </div> <div> Down payment on RF Systems. \$9,882.18 </div> </div> <div> <div> Component Description: Amount: </div> <div> Payment 2 of 3 is due for ULXTE-30 RF equipment before shipping. \$9,238.50 </div> </div> <div> <div> Component Description: Amount: </div> <div> Payment for the Change Order #Q-79130 for needed RF supplies during the ULXTE-30 installation. \$3,719.70 </div> </div> <div> <div> Component Description: Amount: </div> <div> Final payment on RF System for ULXTE-30. \$8,594.81 </div> </div>
Interim TX Retune	<div> <div> Component Description: Amount: </div> <div> Cost for interim transmitter retune to the post repack channel. \$9,831.00 </div> </div>
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<div> <div> Component Description: Amount: </div> <div> Conduit and Unistrut supplies for Aux TX install. \$94.76 </div> </div>

Component Description:	Down payment for ULXTE-30 transmitter and install.
Amount:	\$203,579.43

Component Description:	Payment 2 of 3 due on ULXTE-30 before shipping.
Amount:	\$192,894.66

Component Description:	This invoice is listed in the wrong component expense.
Amount:	N/A

Component Description:	Unistrut supplies for Aux TX install.
Amount:	\$50.99

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 and conduit for Aux TX install.
Amount:	\$89.35

	<p>Component Description: Unistrut and PVC Conduit supplies for Aux TX install.</p> <p>Amount: \$144.12</p>
Other Electrical Service: 200A disconnect and distribution panel	<p>Component Description: For Electrical services and equipment for Aux TX.</p> <p>Amount: \$9,520.00</p> <p>Component Description: Final payment for Aux TX electrical installation.</p> <p>Amount: \$2,380.00</p>
Transformer 3 phase/480v - 150 KVA	<p>Component Description: Final payment on electrical for the ULXTE-30.</p> <p>Amount: \$1,314.39</p> <p>Component Description: Down Payment on KVA transformer.</p> <p>Amount: \$1,510.30</p> <p>Component Description: Payment 2 of 3 is due for ULXTE-30 electrical equipment before shipping.</p> <p>Amount: \$1,412.34</p>

Transformer 3 phase/480v - 300 KVA	<div> <div> Component Description: Amount: </div> <div> KVA Transformer \$6,880.97 </div> </div> <div> <div> Component Description: Amount: </div> <div> Down payment on electrical KVA transformer. \$3,792.85 </div> </div>
Other -- Building Addition Size: 500.0	<div> <div> Component Description: Amount: </div> <div> Ice shields for ULXTE-72 and air unit and security fencing. \$9,523.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Building addition for an Ice Shield and Security fencing for the Aux TX. \$8,631.00 </div> </div>

5 Ton system

Component Description: Electrical supplies
for 5 ton AC install.
Amount: \$261.42

Component Description: 5 Ton AC unit
equipment and
install.
Amount: \$6,051.00

Component Description: Electrical supplies
for AC install.
Amount: \$56.20

Component Description: Electrical supplies
for AC install.
Amount: \$132.15

Component Description: Electrical supplies
for AC install.
Amount: \$261.42

Component Description: Electrical supplies
for AC install.
Amount: \$145.92

Component Description: Electrical supplies
for 5 ton AC install.
Amount: \$145.92

Component Description: Electrical supplies
for AC install.
Amount: \$106.58

Switchgear - industrial 800 amp	Component Description:	Electrical install down payment for ULXTE-72.
	Amount:	\$5,602.80
	Component Description:	Electric switch panel and distribution for ULXTE-72 install.
	Amount:	\$17,892.20
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	Remote control system for ULXTE-72 and ULXTE-30.
	Amount:	\$4,485.00
	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:	For installation, proof, shipping and tax on ULXTE-72 TX.
	Amount:	\$87,470.56
	Component Description:	Plumbing and electrical supplies for ULXTE-72 install.
	Amount:	N/A

Component Description:	Plumbing and electrical supplies for ULXTE-72 install.
Amount:	N/A

Component Description:	Down Payment on ULXTE-72, RF system and install.
Amount:	\$473,832.98

Component Description:	Plumbing and electrical supplies for ULXTE-72 install.
Amount:	N/A

Component Description:	Remote control system for ULXTE-72 Transmitter to Studio link.
Amount:	\$6,474.00

Component Description:	Plumbing and electrical supplies for ULXTE-72 install.
Amount:	N/A

Component Description:	Plumbing and electrical supplies for ULXTE-72 install.
Amount:	N/A

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	
UHF â€œBroadband Panel, Side Mount Auxiliary /Interim, 200 horizontally polarized	<i>\$0.00</i>	\$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
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 – 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		\$263,139.82	
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	\$244,666.78	N/A
Sub-total	\$555,139.89	\$347,403.89	N/A	\$319,919.71	N/A
Total for all systems	\$4,757,355.89	\$4,030,384.89	N/A	\$3,789,140.42	N/A

Components

Actual Information	
Description	File Name
UHF “ 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.

Sweep test of existing antenna

Component Description:

For Repack
Sweep of Aux line
and Antenna.

Amount:

\$640.00

Component Description:

45% Due for RF
Sweep Prior to
Shipping Aux
Antenna.

Amount:

\$2,880.00

Component Description:

45% Down
Payment on RF
Sweep of Aux
Antenna.

Amount:

\$2,880.00

Component Description:

45% Down
payment on RF
sweep.

Amount:

\$2,880.00

UHF – Broadband Panel,
Side Mount Auxiliary
/Interim, 200 horizontally
polarized

Component Description:

Final payment on
antenna.

Amount:

\$9,828.67

Component Description:

45% Down
payment on Aux
antenna.

Amount:

\$20,216.25

Component Description:

45% Payment
Due Prior to
Shipping Aux
Antenna.

Amount:

\$20,216.25

Component Description:

45% Down
Payment on Aux
Antenna.

Amount:

\$20,216.25

Component Description:

Angle iron metal
for Aux Antenna
mounting.

Amount:

\$118.72

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

Cut line to connect
antenna to the
transmission line.

Amount:

\$1,040.00

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:

Freight and
shipping for cut
line sections on
invoice 809010.

Amount:

\$2,544.38

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	\$4,757,355.89	\$4,030,384.89	N/A	\$3,789,140.42	N/A

Components

Actual Information	
Description	File Name

Flexible Air Transmission
Line - dielectric, 4"

Component Description: 45% Down
payment on 4" by
800' aux antenna
flexible line.
Amount: \$18,950.28

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% Down
Payment for
Flexible Line for
Aux Antenna.
Amount: \$18,950.28

Component Description: 45% Due for
Flexible Line
Prior to Shipping
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	\$1,231,350.00		\$1,229,990.00	
Serious tower reinforcement /modifications	\$1,052,000.00	\$887,770.00	N/A	\$887,770.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$333,580.00	Estimated cost for installing the auxillary and main antenna.	\$333,580.00	The component cost are spread across both serious tower cost and tall tower cost estimates.
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	\$1,231,350.00	N/A	\$1,229,990.00	N/A
Total for all systems	\$4,757,355.89	\$4,030,384.89	N/A	\$3,789,140.42	N/A

Components

Actual Information**Description****File Name**

Serious tower reinforcement
/modifications

Component Description:

Cost related to
install of main
antenna.

Amount:

\$1,521.00

Component Description:

Final payment on
project not
including change
orders.

Amount:

\$116,753.00

Component Description:

Change order for
3 weather days
during antenna
install.

Amount:

\$9,600.00

Component Description:

Completion of
Phase 1 with a
change order for
six weather days.

Amount:

\$88,040.00

Component Description:

Down payment for
severe tall tower
mods.

Amount:

\$419,910.00

Component Description:

Second payment
Due on Tower
Mods.

Amount:

\$251,946.00

Tall Tower (greater than 500')	<div> <div> Component Description: Amount: </div> <div> Mobilization for main top antenna install. \$48,516.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Second payment due on tower antenna services, plumb and tension services. \$106,899.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Down payment on Antenna services, tower plumb and tension. \$178,165.00 </div> </div>
Structural engineering tower load study for well documented tower	<div> <div> Component Description: Amount: </div> <div> Tall Tower study for repack. \$8,640.00 </div> </div>
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	\$83,980.00		\$24,076.50	
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	\$3,680.00	N/A	\$3,680.00	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	\$2,050.00	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
Prepare engineering section of FCC Form 2100 (main), 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
Sub-total	\$322,895.00	\$83,980.00	N/A	\$24,076.50	N/A
Total for all systems	\$4,757,355.89	\$4,030,384.89	N/A	\$3,789,140.42	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	<p>Component Description:</p> <p>Amount:</p>	<p>Legal cost for STA on interim TX.</p> <p>\$3,680.00</p>
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.	
Prepare engineering section of FCC Form 2100 (main), 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:	Engineering study for new channel assignment and antenna development.
	Amount:	\$1,777.50
	Component Description:	For engineering studies for new repack channel.
	Amount:	\$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:	Cost for site survey and transmission line check for the repack.
	Amount:	\$17,329.00
	Component Description:	Cost for Site Survey and Line test for Repack.
	Amount:	\$17,329.00

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	\$61,190.00	\$54,520.00		\$9,086.58	
Other Transmitter Expense	<i>\$10,000.00</i>	\$10,000.00	N/A	\$307.11	N/A
MVPD Notification of Channel Change	<i>\$4,000.00</i>	\$4,000.00	N/A	\$3,298.00	N/A
Develop and air announcement of upcoming channel change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	Main antenna storage at Dielectric.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$5,000.00</i>	\$5,000.00	N/A	\$489.47	N/A
BLM or NFS Coordination	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Non-zoning permits	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	N/A
Local Zoning	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	N/A

FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$195.00	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	\$61,190.00	\$54,520.00	N/A	\$9,086.58	N/A
Total for all systems	\$4,757,355.89	\$4,030,384.89	N/A	\$3,789,140.42	N/A

Components

Actual Information

Description	File Name
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Other Transmitter Expense	Component Description: Electrical and plumbing supplies. Amount: \$132.90
	Component Description: Electrical supplies. Amount: \$58.49
	Component Description: Plumbing supplies. Amount: \$67.71
	Component Description: Electrical and plumbing supplies. Amount: \$21.43
	Component Description: Cost for Distilled Water. Amount: \$26.58
MVPD Notification of Channel Change	Component Description: Notification of Cable Satellite MVPD providers of new channel change. Amount: \$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)	Component Description: Dumpster rental and disposal cost. Amount: \$489.47
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	<div> <div> Component Description: </div> <div> Medical Facility notification of frequency and antenna pattern change to the new RF channel. </div> </div> <div> Amount: </div> <div> \$4,992.00 </div>

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,757,355.89	\$4,030,384.89	\$3,789,140.42

Reimbursement Status

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

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

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Dan Wilson <i>WPSD</i> <i>Chief Engineer</i></p> <p>07/15/2020</p>

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

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Dan Wilson <i>WPSD</i> <i>Chief Engineer</i></p> <p>07/15/2020</p>

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

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. 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.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. 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*

07/15/2020

Attachments