

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 51991 Service: DTV Call WPSD-TV Channel: 19 (UHF)

ID: Sign:

ID: File

0000027228

Number:

FRN: **0003763927** Date

Date **08/12**

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.	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact 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

rs	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
	Туре	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
	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?	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 Transmitt **Other Transmitter Cost Not Listed**

Transmitter 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
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
	Туре	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

Name	Description
itanic	Description

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

Antennas

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

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	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	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)	906.0 kW

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

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	Class	Full Power
Manufacturer and Types	Mounting	Top 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)	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.

Other Antenna Costs

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	Yes
	transmission line and 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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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

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

Interim Transm

New Transmission Line

nsmission Line New Transmission Line Costs	setinen	Question	Response
		Use	Interim
	Costs	Description of Use	N/A
	Change Type	Purchase New	
	Туре	Flexible Air	
	Diameter	4 inches	
	Segment Length	N/A	
	Other Segment Length		
	Number of parallel runs	1	
	Length	900 feet per run	

	-		_		
Justification	f∩r	NAW	Trans	emieeinn	l ina

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.

Other Transmission Line Expenses Not Listed Interim

Transmission loine tion 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	Do you have a tower registration number?	Yes
Registration	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 fe
	Support Structure Height	1550.83 fe
	Ground Elevation Above Mean Sea Level (AMSL)	361.87 fee

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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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 Expenses Not Listed
Professional Services © pstsided.

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	
Interim TX Retune	\$9,831.00	\$9,831.00	N/A	\$9,831.00	N/A
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
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	\$613,921.87	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$1,300.00	\$1,250.00	N/A	N/A	N/A
Primary Transmitter ULXTE 72	\$1,588,250.00	\$1,516,820.31		\$1,486,646.40	

5 Ton system	\$20,250.00	\$19,250.00	N/A	\$6,753.27	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	\$23,495.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,427,570.31	N/A	\$1,427,570.31	N/A
Other Building Addition Size: 500.0	\$20,000.00	\$20,000.00	N/A	\$18,154.00	N/A
Sub-total	\$2,476,431.00	\$2,262,901.31	N/A	\$2,157,971.49	N/A
Total for all systems	\$4,757,355.89	\$4,035,280.20	N/A	\$3,810,793.61	N/A

Components

Actual Information Description	File Name	
Interim TX Retune	Component Description:	Cost for interim transmitter retune to the post repack channel.
	Amount:	\$9,831.00

Component Description:	Payment 2 of 3 is
	due for ULXTE-30
	RF equipment
	before shipping.
Amount:	\$9,238.50
Component Description:	Down payment on
	RF Systems.
Amount:	\$9,882.18
Component Description:	Final payment on
	RF System for
	ULXTE-30.
Amount:	\$8,594.81
Component Description:	Payment for the
	Change Order #Q-
	79130 for needed
	RF supplies
	during the ULXTE-
	30 installation.
Amount:	\$3,719.70
Component Description:	Final payment for Aux TX electrical
	installation.
Amount:	\$2,380.00
Component Description:	For Electrical
Component Description:	For Electrical services and
Component Description:	
	Amount: Component Description: Amount: Component Description: Amount: Component Description:

Amount:

\$9,520.00

Transformer 3 phase/480v - 150 KVA	Component Description:	Payment 2 of 3 is due for ULXTE-30 electrical
	Amount:	equipment before shipping. \$1,412.34
	Amount	Ψ1,112.01
	Component Description:	Final payment on electrical for the ULXTE-30.
	Amount:	\$1,314.39
	Component Description:	Down Payment on KVA transformer.
	Amount:	\$1,510.30
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description:	Conduit and Unistrut supplies
	Amount:	for Aux TX install. \$94.76
	Component Description:	Unistrut and PVC Conduit supplies for Aux TX install.
	Amount:	\$144.12
	Component Description:	This invoice is listed in the wrong component
	Amount:	expense. N/A
	Component Description:	Final payment on ULXTE-30
		including tax and freight.

Component Description: Unistrut and

conduit for Aux TX

install.

Amount: \$89.35

Component Description: Payment 2 of 3

due on ULXTE-30

before shipping.

Amount: \$192,894.66

Component Description: Down payment for

ULXTE-30

transmitter and

install.

Amount: \$203,579.43

Component Description: Oxygen gas for

silver soldering

transmission line.

Amount: \$38.17

Component Description: Unistrut supplies

for Aux TX install.

Amount: \$50.99

2" Rigid Conduit and Wiring (Cost per foot)

Information not provided.

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: \$106.58

Component Description: Electrical supplies

for 5 ton AC install.

Amount: \$145.92

Component Description: Electrical supplies

for AC install.

Amount: \$145.92

Component Description: Electrical supplies

for AC install.

Amount: \$261.42

KVA Transformer \$6,880.97 Down payment on electrical KVA transformer. \$3,792.85 Electric switch panel and distribution for ULXTE-72 install. \$17,892.20 Electrical install down payment for ULXTE-72.
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Electrical install down payment for
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\$5,602.80
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Pre-shipping
invoice due for
ULXTE-72
transmitter.
\$449,091.25
For installation,
proof, shipping
and tax on ULXTE-
72 TX.
\$92,240.87
ULXTE-72
Transmitter after
delivery
\$407,920.21
+·-·,·

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: 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: 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

Component Description: Down Payment on

ULXTE-72, RF system and install.

Amount: \$473,832.98

	Component Description: Amount:	Plumbing and electrical supplies for ULXTE-72 install.
Other Building Addition Size: 500.0	Component Description: Amount:	Ice shields for ULXTE-72 and air unit and security fencing. \$9,523.00
	Component Description: Amount:	Building addition for an Ice Shield and Security fencing for the Aux TX. \$8,631.00

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 – 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		\$272,837.70	
UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$271,000.00	N/A	\$254,364.66	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A

Elbow complex,	\$12,300.00	\$13,224.00	Cost of Elbow	\$12,713.04	An error was made
single			Complex and		on a 1/26
channel, at			Reducer to		/2018
antenna			Transmission		expense
input, per 6			Line.		from
1/8.					Invoice
feedline (if					MAN00202
needed)					where we
					added lines
					4 and 5 to
					the elbow
					complex
					component.
					These
					should
					have been
					included in
					the
					antenna
					component
					expense.
Sub-total	\$555,139.89	\$347,403.89	N/A	\$329,617.59	N/A
Total for all systems	\$4,757,355.89	\$4,035,280.20	N/A	\$3,810,793.61	N/A

Actual Information	
Description	File Name

Sweep test of existing		
antenna	Component Description:	45% Down
		payment on RF
		sweep.
	Amount:	\$2,880.00
	Component Description:	45% Down
		Payment on RF
		Sweep of Aux
		Antenna.
	Amount:	\$2,880.00
	Component Description:	45% Due for RF
		Sweep Prior to
		Shipping Aux
		Antenna.
	Amount:	\$2,880.00
	Component Description:	For Repack
		Sweep of Aux line
		and Antenna.
	Amount:	\$640.00
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.	

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

Component Description: Final payment on

antenna.

Amount: \$9,828.67

Component Description: 45% Payment

Due Prior to Shipping Aux Antenna.

Amount: \$20,216.25

Component Description: Angle iron metal

for Aux Antenna

mounting.

Amount: \$118.72

Component Description: 45% Down

payment on Aux

antenna.

Amount: \$20,216.25

Component Description: 45% Down

Payment on Aux

Antenna.

Amount: \$20,216.25

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

Component Description: Freight and

shipping for cut line sections on invoice 809010.

Amount: \$2,544.38

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: Cost for antenna

delivery from storage facility in

Maine.

Amount: \$9,697.88

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: 45% Down

payment on main high power UHF antenna less the V

Pol option.

Amount: \$104,238.00

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

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	\$4,035,280.20	N/A	\$3,810,793.61	N/A

Actual Information		
Description	File Name	

Flexible Air Transmission Line - dielectric, 4"

Component Description: 45% Due for

Flexible Line Prior to Shipping

Aux Antenna.

Amount: \$18,950.28

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% 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

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 Primary	Predetermined Cost Estimate \$1,275,100.00	Estimated Cost \$1,231,350.00	Estimated Cost Justification	Actual Cost \$1,229,990.00	Actual Cost Justification
Tower TOWER	, , ,	, , , , , , , , , , , , , , , , , , , ,		, , , ,,,,,,,,,,	
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	\$4,035,280.20	N/A	\$3,810,793.61	N/A

Description	File Name	
Serious tower reinforcement /modifications	Component Description:	Cost related to
	Amount:	install of main antenna. \$1,521.00
	Component Description	Final payment or
	Component Description:	Final payment or project not including change
	Amount:	orders. \$116,753.00
	Component Description:	Change order for 3 weather days
	Amount:	during antenna install. \$9,600.00
	Component Description:	Down payment for severe tall tower
	Amount:	mods. \$419,910.00
	Component Description:	Completion of Phase 1 with a
	Amount:	change order for six weather days \$88,040.00
		\$25,5 i.5i.55
	Component Description:	Second paymen Due on Tower Mods.
	Amount:	\$251,946.00

Tall Tower (greater than		
500')	Component Description:	Second payme
		due on tower
		antenna service
		plumb and
		tension services
	Amount:	\$106,899.00
	Component Description:	Mobilization for
		main top antenr
		install.
	Amount:	\$48,516.00
	Component Description:	Down payment
		Antenna service
		tower plumb and
		tension.
	Amount:	\$178,165.00
Structural engineering tower		
load study for well	Component Description:	Tall Tower study
documented tower		for repack.
	Amount:	\$8,640.00
TCI	Information not provided.	
Tower Helicopter Lift	Information not provided.	

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 Cos
Outside Professional Services	\$322,895.00	\$84,095.00		\$26,441.50	
Prepare request for Special Temporary Authorization	\$2,050.00	\$2,050.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,365.00	N/A	\$2,365.00	N/A
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
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
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 - 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
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

Sub-total	\$322,895.00	\$84,095.00	N/A	\$26,441.50	N/A
Total for all systems	\$4,757,355.89	\$4,035,280.20	N/A	\$3,810,793.61	N/A

Components		
Actual Information Description	File Name	
Prepare request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	Allowed attorney fees for the license to cover application. \$2,365.00
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.	
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:	For preparing engineering section on FCC Form 2100.
	Amount:	\$1,290.00
	Component Description:	Preparation for the Form 2100 construction
	Amount:	permit. \$1,290.00
Perform engineering study for new channel assignment and antenna development	Component Description:	Engineering study for new channel assignment and antenna
	Amount:	development. \$1,777.50
	Component Description:	For engineering studies for new
	Amount:	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 Descriptions	Coat for Site
	Component Description:	Cost for Site
		Survey and Line
	Amount:	test for Repack. \$17,329.00
	Amount.	φ17,329.00
	Component Description:	Cost for site
		survey and
		transmission line
		check for the
		repack.
	Amount:	\$17,329.00
Attorney Fees - Prepare and		
File request for Special Temporary Authorization	Component Description:	Legal cost for STA on interim TX.
	Amount:	\$3,680.00
Attorney Fees - Aux	Information not provided.	
Antenna, prepare and File Form 2100 Construction Permit or License Application		
Attorney Fees - Prepare and	Information not provided.	
File FCC Form 2100 (main), Construction Permit Application	information not provided.	
RF Consulting Engineer Fees- Aux Antenna:	Information not provided.	
Prepare engineering section of FCC Form 2100, License to Cover Application		

Other Expenses

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$61,190.00	\$54,530.00		\$13,906.58	
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$195.00	N/A	\$195.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	\$335.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$6,000.00	N/A	\$4,992.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$0.00	N/A	N/A	N/A
Local Zoning	\$2,000.00	\$2,000.00	N/A	N/A	N/A
Non-zoning permits	\$2,000.00	\$2,000.00	N/A	N/A	N/A
BLM or NFS Coordination	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$5,000.00	\$5,000.00	N/A	\$489.47	N/A

Equipment Storage	\$10,000.00	\$10,000.00	Main antenna storage at Dielectric.	\$4,290.00	N/A
Develop and air announcement of upcoming channel change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$4,000.00	\$4,000.00	N/A	\$3,298.00	N/A
Other Transmitter Expense	\$10,000.00	\$10,000.00	N/A	\$307.11	N/A
Sub-total	\$61,190.00	\$54,530.00	N/A	\$13,906.58	N/A
Total for all systems	\$4,757,355.89	\$4,035,280.20	N/A	\$3,810,793.61	N/A

Actual Information Description	File Name	
FCC Filing Fees - Special Temporary Authorization request	Component Description: Amount:	Filing fees for STA. \$195.00
FCC Filing Fees - Form 2100 license to cover application	Component Description: Amount:	Filling fee for license to cover. \$335.00

DTV Medical Facility Notification	Component Description:	Medical Facility notification of frequency and antenna pattern change to the new RF channel.
	Amount:	\$4,992.00
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
Local Zoning	Information not provided.	
Non-zoning permits	Information not provided.	
BLM or NFS Coordination	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Dumpster rental and disposal cost. \$489.47
Equipment Storage	Component Description:	Cost of antenna storage for 11 weeks at a Raymond, Maine facility.
	Amount:	\$4,290.00
Develop and air announcement of upcoming channel change	Information not provided.	
MVPD Notification of Channel Change	Component Description:	Notification of Cable Satellite MVPD providers
		of new channel change.

Other Transmitter Expense		
	Component Description:	Plumbing
		supplies.
	Amount:	\$67.71
	Component Description:	Electrical supplies.
	Amount:	\$58.49
	Component Description:	Electrical and plumbing supplies.
	Amount:	\$21.43
	Component Description:	Electrical and
		plumbing supplies.
	Amount:	\$132.90
	Component Description:	Cost for Distilled

Amount:

Water.

\$26.58

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,757,355.89	\$4,035,280.20	\$3,810,793.61

Reimbursem	entestiatus	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

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 abovenamed applicant for the Authorization(s) specified above. Dan Wilson WPSD Chief Engineer

08/12/2020

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).

- 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 certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 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.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Dan Wilson WPSD Chief Engineer

08/12/2020

Section Question Response

Submission of Final Allocation or Accounting Information 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 and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The abovenamed 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 abovenamed applicant for the Authorization(s) specified above. Dan Wilson WPSD Chief Engineer

08/12/2020

Attachments