



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **13594** | Service: **DTV** | Call **WEDW** | Channel: **21 (UHF)** |
ID: | Sign:
File **0000027937**
Number:
FRN: **0003574662** | Date **10/12**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CONNECTICUT PUBLIC BROADCASTING, INC.	Meg Sakellarides 1049 ASYLUM AVENUE HARTFORD, CT 06105 United States	+1 (860) 278-5310	msakellarides@cptv.org	Not-for-Profit

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
The Preparer is same as the reimbursement contact.			

Broadcaster Information and Transition Plan

Question	Response
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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	Purchase of a new transmitter, new transmission line, and new antenna. Current transmitter cannot be retuned to the new channel. Interim antenna and interim transmission line are planned during transition to main 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	Ultimate TDU2 5K00LV
	Year	2002
	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	5 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?	No
	Manufacturer	
	Model	ULXTE-16
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	10.8 kW
	Justification for New Transmitter	Comark, the manufacturer, has indicated that the existing transmitter cannot be retuned to meet the new channel requirement. The existing transmitter is channel-specific.

**Primary
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	4 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Labor and materials to accomplish either modification of existing electrical service or new electrical service and new wiring for new transmitter and 3-phase 208V and wiring for 480 3-phase.
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

**Primary
Transmitter**

Other Transmitter Cost Not Listed

Name		Description
Mask Filter		8-Pole Mask Filter
RF Line 3 and one eighth inches		Internal transmission line and RF system including elbow complex

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?	Yes
	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	Top
	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)	170.0 kW

Manufacturer	
Model	TFU-20JDAS/P
Year	1980

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?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Horizontal
	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)	96.6 kW
	Manufacturer	

Model	TFU-15JTH-R P230
Year	2019
Justification for New Antenna	Existing antenna is single channel and is channel-specific. Per Dielectric, the quoted antenna (see quote) is a high-power top-mount antenna and Dielectric does not make an antenna lower than 200kw that is top mounted. This is a like for like exchange.

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	4 1/16 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

Name	Description
Screw Shoulder	1/4-20 5/16 DIA
Rubbing Shoe	4-50/6 CONN QS
Spring Assy Watch Band	Spring Assy Watch Band Assy 1.38 ID QS
Reducer	Reducer 4-50 EIA X 3-50 STD QS
Project Expenses	Other services

**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?	Yes
	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	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)	165.0 kW
	Manufacturer	
	Model	TFU- 12DSB-J R
	Year	2019

	Justification for New Antenna	In order to complete the project, an interim antenna is necessary while the main antenna is being replaced.
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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?	Yes
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

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	600 feet per run

Primary
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	600 feet per run

	Justification for New Transmission Line	Dielectric has indicated that the existing WR1500 motorized four-port switch and the existing WR1500 waveguides and adapters used both inside and outside to the horizontal run to the tower base will not work on channel 21.
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Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Project Expenses	Other services

Interim
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	4 1/16 inches
	Segment Length	20'
	Other Segment Length	
	Number of parallel runs	1
	Length	80 feet per run
	Justification for New Transmission Line	In order to complete the project, an interim transmission line is necessary while the main antenna is being replaced.

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	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1205267
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 16' 44.3" N-
	Longitude (NAD83)	073° 11' 06.4" W-
	Overall Structure Height	491.14 feet
	Support Structure Height	459.97 feet
	Ground Elevation Above Mean Sea Level (AMSL)	520.01 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	Pinnacle Towers LLC
	Date Constructed	06/01/1953

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
58515	WSHU-FM	FM
48721	WEZN-FM	FM

Other Types of Users

Users
Cell Providers

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Lease	Additional tower rent expense for interim antenna and transmission line necessary during transition.

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	695
	Explanation	The transmitter manufacturer will project manage the project.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	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	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes

	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	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 Other Professional Services Expenses Not Listed

Professional Services Costs	
Name	Description
Project Expenses	See attached detailed estimate

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	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	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
Engineering and Administrative	Internal Project management

**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
Primary Transmitter ULXTE-16	\$590,719.30	\$412,773.05		\$257,500.56	
RF Line 3 and one eighth inches	<i>\$6,314.65</i>	\$6,314.65	Please see attached quote Q-79872	N/A	N/A
Mask Filter	<i>\$22,464.65</i>	\$22,464.65	Please see attached quote Q-79872.	\$14,976.42	N/A
Other Electrical Service: Labor and materials to accomplish either modification of existing electrical service or new electrical service and new wiring for new transmitter and 3-phase 208V and wiring for 480 3-phase.	<i>\$31,790.00</i>	\$31,790.00	Per Eastside Electric Proposal #117042 grand total and Construction Services of Branford Proposal	\$17,890.00	N/A

4" Rigid Conduit and Wiring (Cost per foot)	\$10,100.00	\$9,600.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$337,054.39	N/A	\$224,634.14	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$5,549.36	Please see quote Q- 79872. This is a 75 KVA transformer, documented at 150 KVA due to lowest available in LMS.	\$0.00	N/A
Sub-total	\$590,719.30	\$412,773.05	N/A	\$257,500.56	N/A
Total for all systems	\$1,733,192.49	\$1,393,421.49	N/A	\$492,521.48	N/A

Components

Actual Information	
Description	File Name
RF Line 3 and one eighth inches	Information not provided.

Mask Filter	Component Description:		WEDW-110-1st Primary Transmitter - Mask Filter
	Amount:		\$7,488.21
	Component Description:		WEDW-110-1st Primary Transmitter - Mask Filter
	Amount:		\$4,358.21
	Component Description:		1st Primary Transmitter - Mask Filter
	Amount:		\$3,130.00
Other Electrical Service: Labor and materials to accomplish either modification of existing electrical service or new electrical service and new wiring for new transmitter and 3-phase 208V and wiring for 480 3-phase.	Component Description:		Materials
	Amount:		\$12,740.00
	Component Description:		Work done at the Trumbull location
	Amount:		\$5,150.00
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.		

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	<table> <tr> <td data-bbox="722 176 1027 210">Component Description:</td><td data-bbox="1163 176 1369 248">Electronic Equipment</td></tr> <tr> <td data-bbox="722 259 831 293">Amount:</td><td data-bbox="1163 259 1262 293">\$365.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="722 398 1027 432">Component Description:</td><td data-bbox="1163 398 1369 506">1/3 payment - ULXTE-16 Transmitter</td></tr> <tr> <td data-bbox="722 517 831 551">Amount:</td><td data-bbox="1163 517 1310 551">\$112,134.57</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="722 656 1027 689">Component Description:</td><td data-bbox="1163 656 1369 763">ULXTE-16 Transmitter down payment</td></tr> <tr> <td data-bbox="722 775 831 808">Amount:</td><td data-bbox="1163 775 1294 808">\$46,870.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="722 913 1027 947">Component Description:</td><td data-bbox="1163 913 1369 983">ULXTE-16 Transmitter</td></tr> <tr> <td data-bbox="722 994 831 1028">Amount:</td><td data-bbox="1163 994 1294 1028">\$65,264.57</td></tr> </table>	Component Description:	Electronic Equipment	Amount:	\$365.00			Component Description:	1/3 payment - ULXTE-16 Transmitter	Amount:	\$112,134.57			Component Description:	ULXTE-16 Transmitter down payment	Amount:	\$46,870.00			Component Description:	ULXTE-16 Transmitter	Amount:	\$65,264.57
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Transformer 3 phase/480v - 150 KVA	Information not provided.																						

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-12DSB-J R	\$119,280.00	\$64,296.00		\$61,596.00	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$50,012.00	Please see quote 800258CMZ-2. This cost includes estimated freight.	\$47,412.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,300.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$7,884.00	Please see Dielectric quote 800258CMZ-2	\$7,884.00	N/A
Primary Antenna TFU-15JTH-R P230	\$283,738.19	\$194,423.19		\$0.00	
Project Expenses	<i>\$17,134.44</i>	\$17,134.44	N/A	N/A	N/A
Reducer	<i>\$1,860.00</i>	\$1,860.00	N/A	N/A	N/A

Spring Assy Watch Band	\$1,076.25	\$1,076.25	N/A	N/A	N/A
Rubbing Shoe	\$288.75	\$288.75	N/A	N/A	N/A
Screw Shoulder	\$78.75	\$78.75	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$6,585.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$161,000.00	See Attached quote from Dielectric, the antenna manufacturer.	N/A	N/A
Sub-total	\$403,018.19	\$258,719.19	N/A	\$61,596.00	N/A
Total for all systems	\$1,733,192.49	\$1,393,421.49	N/A	\$492,521.48	N/A

Components

Actual Information	
Description	File Name

<p>UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized</p>	<table> <tr> <td data-bbox="713 174 1023 208">Component Description:</td><td data-bbox="1155 174 1353 282">FREIGHT, SHIPPING, AND HANDLING</td></tr> <tr> <td data-bbox="713 297 823 324">Amount:</td><td data-bbox="1155 297 1251 324">\$561.60</td></tr> <tr> <td data-bbox="713 436 1023 470">Component Description:</td><td data-bbox="1155 436 1366 544">UHF - Side Mount One Station Antenna</td></tr> <tr> <td data-bbox="713 557 823 584">Amount:</td><td data-bbox="1155 557 1286 584">\$14,223.60</td></tr> <tr> <td data-bbox="713 696 1023 730">Component Description:</td><td data-bbox="1155 696 1350 804">UHF Side Mount One Station Antenna</td></tr> <tr> <td data-bbox="713 817 823 844">Amount:</td><td data-bbox="1155 817 1286 844">\$14,223.60</td></tr> <tr> <td data-bbox="713 956 1023 990">Component Description:</td><td data-bbox="1155 956 1286 1021">UHF- SIDE MOUNT</td></tr> <tr> <td data-bbox="713 1034 823 1061">Amount:</td><td data-bbox="1155 1034 1286 1061">\$18,403.20</td></tr> </table>	Component Description:	FREIGHT, SHIPPING, AND HANDLING	Amount:	\$561.60	Component Description:	UHF - Side Mount One Station Antenna	Amount:	\$14,223.60	Component Description:	UHF Side Mount One Station Antenna	Amount:	\$14,223.60	Component Description:	UHF- SIDE MOUNT	Amount:	\$18,403.20
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Amount:	\$14,223.60																
Component Description:	UHF- SIDE MOUNT																
Amount:	\$18,403.20																
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="713 1205 1023 1238">Component Description:</td><td data-bbox="1155 1205 1356 1312">WEDW-280- Interim Antenna - Sweep Test</td></tr> <tr> <td data-bbox="713 1326 823 1352">Amount:</td><td data-bbox="1155 1326 1273 1352">\$1,920.00</td></tr> <tr> <td data-bbox="713 1464 1023 1498">Component Description:</td><td data-bbox="1155 1464 1366 1731">Sweep & Pulse and undetermined length of flexible Transmission Line located at the WEDW-DT Transmitter site</td></tr> <tr> <td data-bbox="713 1744 823 1771">Amount:</td><td data-bbox="1155 1744 1273 1771">\$2,460.00</td></tr> <tr> <td data-bbox="713 1883 1023 1917">Component Description:</td><td data-bbox="1155 1883 1356 1991">WEDW-280- Interim Antenna - Sweep Test</td></tr> <tr> <td data-bbox="713 2004 823 2031">Amount:</td><td data-bbox="1155 2004 1273 2031">\$1,920.00</td></tr> </table>	Component Description:	WEDW-280- Interim Antenna - Sweep Test	Amount:	\$1,920.00	Component Description:	Sweep & Pulse and undetermined length of flexible Transmission Line located at the WEDW-DT Transmitter site	Amount:	\$2,460.00	Component Description:	WEDW-280- Interim Antenna - Sweep Test	Amount:	\$1,920.00				
Component Description:	WEDW-280- Interim Antenna - Sweep Test																
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Component Description:	Sweep & Pulse and undetermined length of flexible Transmission Line located at the WEDW-DT Transmitter site																
Amount:	\$2,460.00																
Component Description:	WEDW-280- Interim Antenna - Sweep Test																
Amount:	\$1,920.00																

Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description: Amount:	WEDW-280-Interim Antenna - Custom Side Mount Bracket \$93.60
	Component Description: Amount:	WEDW-280-Interim Antenna - Custom Side Mount Bracket \$2,365.20
	Component Description: Amount:	WEDW-280-Interim Antenna - Custom Side Mount Bracket \$2,365.20
	Component Description: Amount:	WEDW-280-Interim Antenna - Custom Side Mount Bracket \$3,060.00
Project Expenses	Information not provided.	
Reducer	Information not provided.	
Spring Assy Watch Band	Information not provided.	
Rubbing Shoe	Information not provided.	
Screw Shoulder	Information not provided.	
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Information not provided.	

UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	Information not provided.
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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	\$11,360.00	\$32,994.50		\$31,977.50	
Rigid Transmission Line - copper, 4 1 /16"	\$11,360.00	\$32,994.50	Dielectric quote 800258CMZ-2	\$31,977.50	N/A
Primary Transmission Line	\$90,930.00	\$50,461.00		\$0.00	
Rigid Transmission Line - copper, 4 1 /16"	\$85,200.00	\$44,731.00	See attached quote for transmission line.	N/A	N/A
Project Expenses	\$5,730.00	\$5,730.00	N/A	N/A	N/A
Sub-total	\$102,290.00	\$83,455.50	N/A	\$31,977.50	N/A
Total for all systems	\$1,733,192.49	\$1,393,421.49	N/A	\$492,521.48	N/A

Components

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 4 1/16"	Component Description: Amount:	WEDW-380- Interim Transmission Line - 4 1/16" Air Dielectric \$384.80
	Component Description: Amount:	WEDW-380- Interim Transmission Line - 4 1/16" Air Dielectric \$9,898.35
	Component Description: Amount:	WEDW-380- Interim Transmission Line - 4 1/16" Air Dielectric \$9,898.35
	Component Description: Amount:	WEDW-380- Interim Transmission Line - 4 1/16" Air Dielectric \$11,796.00
Rigid Transmission Line - copper, 4 1/16"	Information not provided.	
Project Expenses	Information not provided.	

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	\$155,715.00	\$151,515.00		\$41,400.00	
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	\$41,400.00	N/A
Tower Lease	\$71,515.00	\$71,515.00	N/A	N/A	N/A
Sub-total	\$155,715.00	\$151,515.00	N/A	\$41,400.00	N/A
Total for all systems	\$1,733,192.49	\$1,393,421.49	N/A	\$492,521.48	N/A

Components

Actual Information Description	File Name
Short Tower (less than 500')	<div><div>Component Description:</div><div>Amount:</div><div>Component Description:</div><div>Amount:</div></div> <div>Structural Analysis \$5,000.00 WEDW - Installation of new side mounted TV antenna \$36,400.00</div>
Tower Lease	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	\$274,900.00	\$280,958.75		\$67,010.45	
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$11,722.25	see Estimated Cost Justification WEDW-550-Attorney - Negotiate Lease and Other Matters v1	\$6,952.25	N/A
Project Expenses	<i>\$14,980.00</i>	\$14,980.00	See attached detailed estimate	N/A	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	\$80,000.00	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	\$2,000.00	N/A	N/A	N/A

ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	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	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$0.00	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$4,180.00	see Estimated Cost Justification WEDW-530- RF Eng - Special Temporary Authorization v0	\$4,180.00	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
Project management of the transition	\$109,810.00	\$114,675.00	Widely Strategic Support Quote	\$49,290.20	N/A

Prepare and or review reimbursement form	\$2,630.00	\$3,151.50	Professional Services Invoices	\$2,251.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$211.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,125.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,000.00	N/A
Sub-total	\$274,900.00	\$280,958.75	N/A	\$67,010.45	N/A
Total for all systems	\$1,733,192.49	\$1,393,421.49	N/A	\$492,521.48	N/A

Components

Actual Information	
Description	File Name
Attorney Fees - Negotiation of lease and other matters for shared locations	<div> <div>Component Description:</div> <div>Legal services negotiating lease with Crown Castle for shared location.</div> </div> <div> <div>Amount:</div> <div>\$2,400.00</div> </div>

Component Description:	Legal services negotiating lease with Crown Castle for shared location.
Amount:	\$900.00

Component Description:	WEDW-550-Attorney - Negotiate Lease and Other Matters
Amount:	\$46.25

Component Description:	Invoice for legal services rendered through November 30, 2018.
Amount:	\$139.50

Component Description:	Invoice for legal services rendered through May 31, 2019.
Amount:	\$324.00

Component Description:	Legal services negotiating lease with Crown Castle for shared location.
Amount:	\$1,200.00

Component Description:	a
Amount:	\$685.00

Component Description:	Attorney - Negotiate Lease and Other Matters
Amount:	\$221.00

	Component Description:	Reversal of initial cost component submitted in error
	Amount:	(\$1,800.00)
	Component Description:	Television Repacking Services - WEDW
	Amount:	\$279.00
	Component Description:	Reversal of initial cost component submitted in error
	Amount:	(\$4,800.00)
	Component Description:	Legal services
	Amount:	\$432.00
	Component Description:	Television Repacking Services - WEDW
	Amount:	\$325.50
	Component Description:	Reversal of initial cost component submitted in error
	Amount:	(\$2,400.00)
Project Expenses	Information not provided.	
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.								
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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.								
Prepare request for Special Temporary Authorization	<table> <tr> <td>Component Description:</td><td>Television Repacking Services - WEDW</td></tr> <tr> <td>Amount:</td><td>\$2,430.00</td></tr> <tr> <td>Component Description:</td><td>Initial preparation of the engineering portion of the WEDW-DT STA request in Bridgeport /Stamford, CT</td></tr> <tr> <td>Amount:</td><td>\$1,750.00</td></tr> </table>	Component Description:	Television Repacking Services - WEDW	Amount:	\$2,430.00	Component Description:	Initial preparation of the engineering portion of the WEDW-DT STA request in Bridgeport /Stamford, CT	Amount:	\$1,750.00
Component Description:	Television Repacking Services - WEDW								
Amount:	\$2,430.00								
Component Description:	Initial preparation of the engineering portion of the WEDW-DT STA request in Bridgeport /Stamford, CT								
Amount:	\$1,750.00								
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.								
Project management of the transition									

Component Description:	Project Management
Amount:	\$257.70

Component Description:	Project Management
Amount:	\$4,298.55

Component Description:	Project Management
Amount:	\$4,426.40

Component Description:	Project Management
Amount:	\$5,473.35

Component Description:	Project Management
Amount:	\$3,767.70

Component Description:	Project Management
Amount:	\$3,344.80

Component Description:	Project Management
Amount:	\$3,602.80

Component Description:	Project Management
Amount:	\$1,577.50

Component Description:	Project Management
Amount:	\$4,711.70

	Component Description:	Project Management
	Amount:	\$2,472.15
	Component Description:	Project Management
	Amount:	\$2,287.95
	Component Description:	Project Management
	Amount:	\$3,736.65
	Component Description:	Project Management
	Amount:	\$4,149.95
	Component Description:	Project Management
	Amount:	\$2,472.15
	Component Description:	Project Management
	Amount:	\$3,838.05
	Component Description:	Project Management
	Amount:	\$1,344.95
Prepare and or review reimbursement form	Component Description:	Attorney Fees to prepare and review Reimbursement Form 399
	Amount:	\$657.00

Component Description:	Television Repacking Services - WEDW
Amount:	\$711.00

Component Description:	Legal Services
Amount:	\$651.00

Component Description:	Reversal of initial cost component submitted
Amount:	(\$657.00)

Component Description:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399.
Amount:	\$657.00

Component Description:	Attorney Fees to prepare and review resubmitted Reimbursement Form 399
Amount:	N/A

Component Description:	Reversal of initial cost component submitted
Amount:	(\$618.00)

Component Description:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399.
Amount:	\$618.00

	Component Description: Amount:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399. \$900.00
	Component Description: Amount:	Legal Services \$232.50
	Component Description: Amount:	Reversal of initial cost component submitted. (\$900.00)
	Component Description: Amount:	Legal services preparing, reviewing, and submitting FCC Reimbursement Form 399 \$900.00
Address transition timing and coordination issues w/ other stations and wireless	Component Description: Amount:	Attorney Fees to Address Transition Timing \$172.50
	Component Description: Amount:	Attorney Fees to Address Transition Timing \$39.00
	Component Description: Amount:	Reversal of initial cost component submitted \$39.00

	Component Description:	Address transition timing and coordination.
	Amount:	\$172.50
	Component Description:	Reversal of initial cost component submitted
	Amount:	(\$172.50)
	Component Description:	Attorney Fees to Address Transition Timing
	Amount:	\$39.00
	Component Description:	Reversal of initial cost component submitted
	Amount:	(\$39.00)
	Component Description:	Address transition timing and coordination.
	Amount:	\$39.00
	Component Description:	Address transition timing and coordination.
	Amount:	\$39.00
Perform engineering study for new channel assignment and antenna development	Component Description:	Engineering study work for new channel assignment and antenna development.
	Amount:	\$2,500.00

Component Description: Engineering study work for new channel assignment and antenna development.

Amount: \$1,250.00

Component Description: Reversal of initial cost component submitted

Amount: (\$1,250.00)

Component Description: Reversal of initial cost component submitted

Amount: (\$2,500.00)

Component Description: Engineering study work for new channel assignment and antenna development.

Amount: \$875.00

Component Description: Engineering study work for new channel assignment and antenna development.

Amount: \$1,250.00

Component Description: Reversal of initial cost component submitted

Amount: (\$875.00)

	Component Description:	Engineering study work for new channel assignment and antenna development.
	Amount:	\$875.00
	Component Description:	Engineering study work for new channel assignment and antenna development.
	Amount:	\$2,500.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Engineering study Construction Permit Application (Main)
	Amount:	\$2,000.00

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	\$206,550.00	\$206,000.00		\$33,036.97	
Engineering and Administrative	<i>\$20,000.00</i>	\$20,000.00	N/A	\$5,550.03	N/A
MVPD Notification of Channel Change	<i>\$11,000.00</i>	\$11,000.00	N/A	\$2,216.00	N/A
Develop and air announcement of upcoming channel change	<i>\$69,000.00</i>	\$69,000.00	See attachment for detailed justification.	\$270.00	N/A
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	\$18,911.94	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$40,000.00</i>	\$40,000.00	N/A	\$589.00	N/A
Non-zoning permits	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Local Zoning	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$5,500.00	N/A
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A

Sub-total	\$206,550.00	\$206,000.00	N/A	\$33,036.97	N/A
Total for all systems	\$1,733,192.49	\$1,393,421.49	N/A	\$492,521.48	N/A

Components

Actual Information Description	File Name	
Engineering and Administrative	Component Description:	Modification Design
	Amount:	\$4,500.00
	Component Description:	Peter Douglas's expenses incurred during a trip to CT to Repack
	Amount:	\$1,050.03
MVPD Notification of Channel Change	Component Description:	Prepare letters to MVPDs. Research and contact all relevant MVPD entities
	Amount:	\$2,000.00
	Component Description:	WEDW-610-MVPD Notification
	Amount:	\$216.00
Develop and air announcement of upcoming channel change	Component Description:	Email exchanges with M. Sakellarides
	Amount:	\$270.00

Equipment Delivery and Handling Charges	Component Description: Labor - WEDW FCC Repack CH. 21 Amount: \$1,400.00
	Component Description: Lull Amount: \$3,749.06
	Component Description: Environmental, Crane, Labor Amount: \$13,762.88
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Bridgeport (CT)- Mixed Debris- 30 yard dumpster rental- 3 ton weight limit Amount: \$589.00
Non-zoning permits	Information not provided.
Local Zoning	Information not provided.
DTV Medical Facility Notification	Component Description: Mailing: Print and mail a two page, black and white generically addressed letter Amount: \$5,500.00
Equipment Storage	Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$1,733,192.49	\$1,393,421.49
			\$492,521.48

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.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 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.

**Meg
Sakellarides**
*Chief
Financial
Officer*

10/12/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 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>Meg Sakellarides <i>Chief Financial Officer</i></p> <p>10/12/2019</p>

Attachments