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

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **13594** | Service: **DTV** | Call Sign: **WEDW** | Channel: **21 (UHF)**

File Number: **0000027937**

FRN: **0003574662** | Date Submitted: **04/16/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CONNECTICUT PUBLIC BROADCASTING, INC. Doing Business As: CONNECTICUT PUBLIC TELEVISION	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

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 leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

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

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

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.

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.

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

No 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
48721	WEZN-FM	FM
58515	WSHU-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 Services Costs

Section	Question	Response
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 Professional Services Costs

Other Professional Services Expenses Not Listed

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	**$573,929.30**	**$395,983.05**		**$244,395.56**	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	$494,500.00	$337,054.39	N/A	$224,269.14	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.	***$15,000.00***	$15,000.00	See attached quote for electrical service.	$5,150.00	N/A
RF Line 3 and one eighth inches	***$6,314.65***	$6,314.65	Please see attached quote Q-79872	N/A	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
4" Rigid Conduit and Wiring (Cost per foot)	$10,100.00	$9,600.00	N/A	N/A	N/A
Mask Filter	***$22,464.65***	$22,464.65	Please see attached quote Q-79872.	$14,976.42	N/A
Sub-total	$573,929.30	$395,983.05	N/A	$244,395.56	N/A
Total for all systems	$1,716,402.49	$1,373,729.24	N/A	$348,805.22	N/A

Components

Actual Information Description	File Name

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	**Component Description:** **Amount:**	1/3 payment - ULXTE-16 Transmitter $112,134.57
	Component Description: **Amount:**	ULXTE-16 Transmitter $65,264.57
	Component Description: **Amount:**	ULXTE-16 Transmitter down payment $46,870.00
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:** **Amount:**	Work done at the Trumbull location $5,150.00
RF Line 3 and one eighth inches	Information not provided.	
Transformer 3 phase/480v - 150 KVA	Information not provided.	
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Mask Filter	**Component Description:**	WEDW-110-1st Primary Transmitter - Mask Filter
	Amount:	$4,358.21
	Component Description:	WEDW-110-1st Primary Transmitter - Mask Filter
	Amount:	$7,488.21
	Component Description:	1st Primary Transmitter - Mask Filter
	Amount:	$3,130.00

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-12DSB-J R	**$119,280.00**	**$64,296.00**		**$37,017.60**	
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.	$28,447.20	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$3,840.00	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	$4,730.40	N/A
Primary Antenna TFU-15JTH-R P230	**$283,738.19**	**$194,423.19**		**$0.00**	
Reducer	***$1,860.00***	$1,860.00	N/A	N/A	N/A
Project Expenses	***$17,134.44***	$17,134.44	N/A	N/A	N/A

Rubbing Shoe	***$288.75***	$288.75	N/A	N/A	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
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$0.00	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
Screw Shoulder	***$78.75***	$78.75	N/A	N/A	N/A
Spring Assy Watch Band	***$1,076.25***	$1,076.25	N/A	N/A	N/A
Sub-total	$403,018.19	$258,719.19	N/A	$37,017.60	N/A
Total for all systems	$1,716,402.49	$1,373,729.24	N/A	$348,805.22	N/A

Components

Actual Information Description	File Name

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	**Component Description:** **Amount:**	UHF Side Mount One Station Antenna $14,223.60
	Component Description: **Amount:**	UHF - Side Mount One Station Antenna $14,223.60
Sweep test of existing antenna	**Component Description:** **Amount:**	WEDW-280-Interim Antenna - Sweep Test $1,920.00
	Component Description: **Amount:**	WEDW-280-Interim Antenna - Sweep Test $1,920.00
	Component Description: **Amount:**	Sweep & Pulse and undetermined length of flexible Transmission Line located at the WEDW-DT Transmitter site $2,460.00

Side mount brackets for high power antennas (if not included in antenna base cost)	**Component Description:** **Amount:** **Component Description:** **Amount:**	WEDW-280-Interim Antenna - Custom Side Mount Bracket $2,365.20 WEDW-280-Interim Antenna - Custom Side Mount Bracket $2,365.20
Reducer	Information not provided.	
Project Expenses	Information not provided.	
Rubbing Shoe	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	Information not provided.	
Sweep test of existing antenna	Information not provided.	
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.	
Screw Shoulder	Information not provided.	
Spring Assy Watch Band	Information not provided.	

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**		**$19,796.70**	
Rigid Transmission Line - copper, 4 1 /16"	$11,360.00	$32,994.50	Dielectric quote 800258CMZ-2	$19,796.70	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	$19,796.70	N/A
Total for all systems	$1,716,402.49	$1,373,729.24	N/A	$348,805.22	N/A

Components

Actual Information Description	File Name

Rigid Transmission Line - copper, 4 1/16"	**Component Description:** **Amount:** **Component Description:** **Amount:**	WEDW-380-Interim Transmission Line - 4 1/16" Air Dielectric $9,898.35 WEDW-380-Interim Transmission Line - 4 1/16" Air Dielectric $9,898.35
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**		**$0.00**	
Short Tower (less than 500')	$84,200.00	$80,000.00	N/A	$0.00	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	$0.00	N/A
Total for all systems	$1,716,402.49	$1,373,729.24	N/A	$348,805.22	N/A

Components

Actual Information Description	File Name
Short Tower (less than 500')	**Component Description:** Structural Analysis **Amount:** $5,000.00
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**	**$278,056.50**		**$31,382.45**	
Project Expenses	***$14,980.00***	$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 - Negotiation of lease and other matters for shared locations	$4,210.00	$10,000.00	Lease negotiations with Crown castle protracted and complicated given shared operation under Channel Share Agreement.	$965.00	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
Project management of the transition	$109,810.00	$114,675.00	Widelity Strategic Support Quote	$23,829.45	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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	$4,100.00	$3,000.00	N/A	N/A	N/A
Sub-total	$274,900.00	$278,056.50	N/A	$31,382.45	N/A
Total for all systems	$1,716,402.49	$1,373,729.24	N/A	$348,805.22	N/A

Components

Actual Information Description	File Name
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 - Negotiation of lease and other matters for shared locations	**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:** Attorney - Negotiate Lease and Other Matters **Amount:** $221.00 **Component Description:** Reversal of initial cost component submitted in error **Amount:** ($2,400.00) **Component Description:** Television Repacking Services - WEDW **Amount:** $325.50

	Component Description: Reversal of initial cost component submitted in error **Amount:** ($4,800.00)
	Component Description: Legal services negotiating lease with Crown Castle for shared location. **Amount:** $2,400.00
	Component Description: Invoice for legal services rendered through November 30, 2018. **Amount:** $139.50
	Component Description: Legal services negotiating lease with Crown Castle for shared location. **Amount:** $1,800.00
	Component Description: Legal services negotiating lease with Crown Castle for shared location. **Amount:** $4,800.00
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.
Project management of the transition	

Component Description: Project Management
Amount: $257.70

Component Description: Project Management
Amount: $3,602.80

Component Description: Project Management
Amount: $2,472.15

Component Description: Project Management
Amount: $4,711.70

Component Description: Project Management
Amount: $3,838.05

Component Description: Project Management
Amount: $3,736.65

Component Description: Project Management
Amount: $2,287.95

Component Description: Project Management
Amount: $1,577.50

Component Description: Project Management
Amount: $2,472.15

	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:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399.
	Amount:	$900.00
	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 preparing, reviewing, and submitting FCC Reimbursement Form 399
	Amount:	$900.00

Component Description:	Legal Services
Amount:	$232.50
Component Description:	Reversal of initial cost component submitted.
Amount:	($900.00)
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:	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

Address transition timing and coordination issues w/ other stations and wireless	

Component Description:	Attorney Fees to Address Transition Timing
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:	Attorney Fees to Address Transition Timing
Amount:	$39.00
Component Description:	Reversal of initial cost component submitted
Amount:	$39.00
Component Description:	Reversal of initial cost component submitted
Amount:	($39.00)
Component Description:	Address transition timing and coordination.
Amount:	$172.50

	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:	$1,250.00
	Component Description:	Engineering study work for new channel assignment and antenna development.
	Amount:	$2,500.00
	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:	$1,250.00

	Component Description:	Engineering study work for new channel assignment and antenna development.
	Amount:	$875.00
	Component Description:	Reversal of initial cost component submitted
	Amount:	($875.00)
	Component Description:	Reversal of initial cost component submitted
	Amount:	($1,250.00)
	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:	$875.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:**	Engineering study Construction Permit Application (Main)
	Amount:	$2,000.00

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$206,550.00**	**$206,000.00**		**$16,212.91**	
Engineering and Administrative	***$20,000.00***	$20,000.00	N/A	$1,050.03	N/A
MVPD Notification of Channel Change	***$11,000.00***	$11,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$69,000.00***	$69,000.00	See attachment for detailed justification.	N/A	N/A
Equipment Storage	***$10,000.00***	$10,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$25,000.00***	$25,000.00	N/A	$15,162.88	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$40,000.00***	$40,000.00	N/A	N/A	N/A
Non-zoning permits	***$10,000.00***	$10,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	N/A	N/A
Local Zoning	***$10,000.00***	$10,000.00	N/A	N/A	N/A

Sub-total	$206,550.00	$206,000.00	N/A	$16,212.91	N/A
Total for all systems	$1,716,402.49	$1,373,729.24	N/A	$348,805.22	N/A

Components

Actual Information Description	File Name
Engineering and Administrative	**Component Description:** Peter Douglas's expenses incurred during a trip to CT to Repack **Amount:** $1,050.03
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	**Component Description:** Labor - WEDW FCC Repack CH. 21 **Amount:** $1,400.00 **Component Description:** Environmental, Crane, Labor **Amount:** $13,762.88
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Non-zoning permits	Information not provided.
DTV Medical Facility Notification	Information not provided.

Local Zoning	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$1,716,402.49	$1,373,729.24	$348,805.22

Reimbursement Status

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

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

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

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Meg Sakellarides** *Chief Financial Officer* 04/16/2019

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	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.

	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 above-named applicant for the Authorization(s) specified above.	**Meg Sakellarides** *Chief Financial Officer* 04/16/2019

Attachments