

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

			-		
Facility	13594	Service: DTV	Call	WEDW	Channel: 21 (UHF)
ID:			Sign:		
File	000002	27937			
Number:					
FRN: 00	03574662	Date	09/23		
		Submitted:	/2020		

Applicant Name, Type, and Contact Information

Applicant Information

n	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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information			
Contact Information	Applicant	Address	Phone	Email
	The Preparer is same as the reimbursement contact.			

Broadcaster	Question
Information	
and	
Transition	
Plan	

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	Existing Transmitter Infor	mation				
Fransmitter	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				
	Manufacturer and Type	Model	Ultimate TDU2 5K00LV			
		Year	2002			
		Туре	Solid State			
		Solid State Cooling	Liquid Cooled			
		Solid State Power Capacity	5 kW			

Existing Transmitter Information

Primary	New Transmitter Costs		
Transmitter	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.

Filliary		
Transmitter	Section	Question
	Electrical Service	Service Entrance (3 phases 800/
		Switchgear (industrial 800 amp)

Other Transmitter Costs

Primary	Other Transmitter Costs				
Transmitter	Section	Question	Response		
	Electrical Service	Service Entrance (3 phases 800A 208V) Switchgear (industrial 800 amp)	No		
			No		
		Transformer (480V)	Yes		
		Power	150 kVA		

		1
	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
	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

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 Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	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	Class	Full Power	
	Manufacturer and Type	Mounting	Top Mount	
		Antenna position in stack	Тор	
		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)	170.0 kW	

Manufacturer	
Model	TFU- 20JDAS/P
Year	1980

Primary	New Antenna Costs			
Antenna	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	Тор	
		Polarization	Horizontal	
		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)	96.6 kW	
		Manufacturer		
			1	

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	
		Туре		
		Number of channels supported	N/A	
		Frequencies of channels supported	N/A	
		Frequency	N/A	

Other Antenna Costs

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

Interim	New Antenna Costs			
Antenna	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	
		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)	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.

Other Antenna Costs Interim

Antenna

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

Other Antenna Cost Not Listed Interim

Antenna Information not provided.

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

Primary	Existing Transmission Line			
Transmissio	n 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		
		Туре	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 Transmissio	n 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
		Туре	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 existin
	WR1500
	waveguide
	and
	adapters
	used both
	inside and
	outside to
	the
	horizontal
	run to the
	tower base
	will not
	work on
	channel 2'

Primary Other Transmission Line Expenses Not Listed Transmission

Name	Description
Project Expenses	Other services

Interim	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line Costs	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Туре	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 Other Transmission Line Expenses Not Listed

Transmission hometion not provided.

Tower	Section	Question	Response
Equipment And Rigging Costs	Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

Primary	Existing Tower

Primary 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 Rigging Costs

Tower	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	Section	Question	Response
Professional	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	Prepare and file Form FCC Construction Permit Application	Yes
	Services	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 Professiona	Other Professional Services Expenses Not Listed		
	Services Costs	Description	
	Project Expenses	See attached detailed estimate	

Other	Section	Question	Response
Expenses	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 Not Listed

Other Expenses	Other Expenses Not Listed		
	Name	Description	
	Engineering and Administrative	Internal Project management	

Transmitters

Cost Information

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	\$6,314.65	\$6,314.65	Please see attached quote Q- 79872	N/A	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$10,100.00	\$9,600.00	N/A	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
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$337,054.39	N/A	\$224,634.14	N/A
Mask Filter	\$22,464.65	\$22,464.65	Please see attached quote Q- 79872.	\$14,976.42	N/A

Other	\$31,790.00	\$31,790.00	Per	\$17,890.00	N/A
Electrical			Eastside		
Service:			Electric		
Labor and			Proposal		
materials to			#117042		
accomplish			grand total		
either			and		
modification			Construction		
of existing			Services of		
electrical			Branford		
service or			Proposal		
new					
electrical					
service and					
new wiring					
for new					
transmitter					
and 3-					
phase 208V					
and wiring					
for 480 3-					
phase.					
Sub-total	\$590,719.30	\$412,773.05	N/A	\$257,500.56	N/A
Total for all systems	\$1,733,192.49	\$1,400,946.58	N/A	\$521,384.58	N/A

Components

Actual Information Description	File Name
RF Line 3 and one eighth inches	Information not provided.
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.

	Component Description:	Electronic
		Equipment
	Amount:	\$365.00
	Component Description:	1/3 payment - ULXTE-16
	Amount:	Transmitter \$112,134.57
	Component Description:	ULXTE-16 Transmitter down
	Amount:	payment \$46,870.00
	Component Description:	ULXTE-16
	Amount:	Transmitter \$65,264.57
Mask Filter		
	Component Description:	WEDW-110-1st
		Primary Transmitter -
	Amount:	Primary Transmitter - Mask Filter \$7,488.21
		Transmitter - Mask Filter \$7,488.21
	Component Description:	Transmitter - Mask Filter \$7,488.21 1st Primary Transmitter - Mask Filter
		Transmitter - Mask Filter \$7,488.21 1st Primary Transmitter -
	Component Description:	Transmitter - Mask Filter \$7,488.21 1st Primary Transmitter - Mask Filter

Other Electrical Service: Labor and materials to accomplish either modification of existing electrical service or new	Component Description: Amount:	Materials \$12,740.00
electrical service and new wiring for new transmitter and 3-phase 208V and	Component Description:	Work done at the Trumbull location
wiring for 480 3-phase.	Amount:	\$5,150.00

Antennas

Cost Information

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		\$61,696.00	
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
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
Primary Antenna TFU-15JTH- R P230	\$283,738.19	\$194,423.19		\$0.00	
Spring Assy Watch Band	\$1,076.25	\$1,076.25	N/A	N/A	N/A

Screw Shoulder	\$78.75	\$78.75	N/A	N/A	N/A
Reducer	\$1,860.00	\$1,860.00	N/A	N/A	N/A
Rubbing Shoe	\$288.75	\$288.75	N/A	N/A	N/A
Project Expenses	\$17,134.44	\$17,134.44	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
Sub-total	\$403,018.19	\$258,719.19	N/A	\$61,696.00	N/A
Total for all systems	\$1,733,192.49	\$1,400,946.58	N/A	\$521,384.58	N/A

Components

Actual Information	
Description	File Name

Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description:	WEDW-280- Interim Antenna Custom Side
	Amount:	Mount Bracket \$93.60
	Component Description:	WEDW-280- Interim Antenna
		Custom Side Mount Bracket
	Amount:	\$2,365.20
	Component Description:	WEDW-280-
		Interim Antenna Custom Side
	Amount:	Mount Bracket \$2,365.20
	Component Description:	WEDW-280- Interim Antenna Custom Side
	Amount:	Mount Bracket \$3,060.00

Sweep test of existing		
antenna	Component Description:	Sweep & Pulse and undetermined length of flexible Transmission Line located at the WEDW-DT Transmitter site
	Amount:	\$2,460.00
	Component Description:	INCLUDES ONE FIELD ENGINEER ON-SITE FOR ONE DAY
	Amount:	\$100.00
	Component Description:	WEDW-280- Interim Antenna - Sweep Test
	Amount:	\$1,920.00
	Component Description:	WEDW-280- Interim Antenna - Sweep Test
	Amount:	\$1,920.00

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Component Description: Amount:	FREIGHT, SHIPPING, AND HANDLING \$561.60
	Component Description:	UHF Side Mount One Station Antenna
	Amount:	\$14,223.60
	Component Description:	UHF- SIDE MOUNT
	Amount.	\$18,403.20
	Component Description:	UHF - Side Mount One Station Antenna
	Amount:	\$14,223.60
Spring Assy Watch Band	Information not provided.	
Screw Shoulder	Information not provided.	
Reducer	Information not provided.	
Rubbing Shoe	Information not provided.	
Project Expenses	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.	

Transmission Line

Cost Information

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	\$40,069.59		\$36,625.80	
Rigid Transmission Line - copper, 4 1 /16"	\$11,360.00	\$40,069.59	see Estimated Cost Justification WEDW-380- Interim Transmission Line - 4 1_16 Air Dielectric v0	\$36,625.80	N/A
Primary Transmission Line	\$90,930.00	\$50,461.00		\$2,542.50	
Rigid Transmission Line - copper, 4 1 /16"	\$85,200.00	\$44,731.00	See attached quote for transmission line.	\$2,542.50	N/A
Project Expenses	\$5,730.00	\$5,730.00	N/A	N/A	N/A
Sub-total	\$102,290.00	\$90,530.59	N/A	\$39,168.30	N/A
Total for all systems	\$1,733,192.49	\$1,400,946.58	N/A	\$521,384.58	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 \$2,460.00
Component Description: Amount:	WEDW-380- Interim Transmission Line - 4 1/16"" Air Dielectric \$384.80
Component Description: Amount:	Flexible Transmission Line \$3,146.00
Component Description: Amount:	WEDW-380- Interim Transmission Line - 4 1/16" Air Dielectric \$10,270.50
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
Amount.	ψ0,000.00

	Component Description: Amount:	FREIGHT AND SHIPPING \$704.54
	Component Description:	Other hanger assembly 4 fixed added per change order added 7.24.19
	Amount:	\$567.80
	Component Description: Amount:	CONN ANCHOR 3-50 W/SCALLOP INS "QS" \$773.95
Rigid Transmission Line - copper, 4 1/16"	Component Description: Amount:	Rigid Transmission Line \$2,542.50
Project Expenses	Information not provided.	

Tower Equipment and Rigging Costs

Cost Information

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	
Tower Lease	\$71,515.00	\$71,515.00	N/A	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	\$41,400.00	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	\$1,400,946.58	N/A	\$521,384.58	N/A

Components

Actual Information Description	File Name	
Tower Lease	Information not provided.	
Short Tower (less than 500')		
	Component Description:	Structural
		Analysis
	Amount:	\$5,000.00
	Component Description:	WEDW -
		Installation of
		new side
		mounted TV
		antenna
	Amount:	\$36,400.00

Outside Professional Services

Cost Information

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	\$281,408.75		\$88,582.75	
Project Expenses	\$14,980.00	\$14,980.00	See attached detailed estimate	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	\$601.20	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	\$439.20	N/A
Project management of the transition	\$109,810.00	\$114,675.00	Widelity Strategic Support Quote	\$67,744.90	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$4,630.00	Please see WEDW-530- RF Eng - Special Temporary Authorization Budget Increase Justification Cover Letter v1	\$4,630.00	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 engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,000.00	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
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$211.50	N/A
Prepare and or review reimbursement form	\$2,630.00	\$3,151.50	Professional Services Invoices	\$2,251.50	N/A
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	\$8,579.45	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Sub-total	\$274,900.00	\$281,408.75	N/A	\$88,582.75	N/A
Total for all systems	\$1,733,192.49	\$1,400,946.58	N/A	\$521,384.58	N/A

Components

Actual Information Description	File Name
Project Expenses	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.

FAA consultant, including cost of preparing FAA	Information not provided.	
Form 7460 (Notice of		
Proposed Construction), if needed for height increase		
ASR modification (prepare FCC Form 854)	Information not provided.	
Attorney Fees - Prepare and File request for		
Special Temporary	Component Description:	WEDW-550- Attorney - Specia
Authorization		Temporary
		Authorization
	Amount:	\$378.00
	Component Description:	WEDW-550-
		Attorney - Specia
		Temporary Authorization
	Amount:	\$108.00
	Component Description:	WEDW-550-
		Attorney - Specia
		Temporary
	Amount:	Authorization \$115.20
	Anount.	φ113.2U
Attorney Fees -Prepare	Information not provided.	
and File FCC Form 2100 (main), License to Cover		
Application		

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Television Repacking Services \$162.00
	Component Description: Amount:	Professional Services \$115.20
	Component Description: Amount:	Legal Services \$162.00
Project management of the transition	Component Description: Amount:	Project Management \$257.70
	Component Description: Amount:	Project Management \$3,838.05
	Component Description: Amount:	Project Management \$1,344.95
	Component Description: Amount:	Project Management \$2,287.95
	Component Description: Amount:	Project Management \$3,040.85
	Component Description: Amount:	Project Management \$5,473.35

Component Description: Project Management \$4,298.55 Amount: **Component Description:** Project Management Amount: \$3,767.70 **Component Description:** Project Management Amount: \$4,426.40 **Component Description:** Project Management Amount: \$3,657.90 **Component Description:** Project Management Amount: \$2,209.35 **Component Description:** Project Management Amount: \$3,016.80 **Component Description:** Project Management Amount: \$3,298.80 Project **Component Description:** Management \$3,344.80 Amount: **Component Description:** Project Management Amount: \$3,602.80

Component Description: Amount:	Project Management \$2,677.25
Component Description: Amount:	Project Management \$4,711.70
Component Description: Amount:	Project Management \$2,472.15
Component Description: Amount:	Project Management \$4,149.95
Component Description: Amount:	Project Management \$553.75
Component Description: Amount:	Project Management \$2,472.15
Component Description: Amount:	Project Management \$1,577.50
Component Description: Amount:	Project Management \$3,736.65

Prepare request for Special Temporary Authorization	Component Description: Amount:	Television Repacking Services - WEDW \$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: Amount:	E-filling of FCC engineering \$450.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Engineering study Construction Permit Application (Main) \$2,000.00
Perform engineering study for new channel assignment and antenna development	Component Description:	Engineering study work for new channel assignment and antenna development.
	Amount:	\$875.00

Component Description: Amount:	Engineering study work for new channel assignment and antenna development. \$2,500.00
Component Description: Amount:	Reversal of initial cost component submitted (\$2,500.00)
Component Description:	Engineering study work for new channel assignment and antenna development. \$2,500.00
Component Description: Amount:	Reversal of initial cost component submitted (\$875.00)
Component Description:	Engineering study work for new channel assignment and antenna development. \$875.00
Component Description: Amount:	Engineering study work for new channel assignment and antenna development. \$1,250.00

	Component Description: Amount:	Reversal of initial cost component submitted (\$1,250.00)
	Component Description: Amount:	Engineering study work for new channel assignment and antenna development. \$1,250.00
Address transition timing and coordination issues w/ other stations and wireless	Component Description:	Reversal of initial cost component submitted
	Amount:	\$39.00
	Component Description:	Address transition timing and coordination.
	Amount:	\$39.00
	Component Description:	Attorney Fees to Address Transition Timing
	Amount:	\$39.00
	Component Description:	Attorney Fees to Address Transition Timing
	Amount:	\$172.50
	Component Description:	Attorney Fees to Address Transition Timing
	Amount:	\$39.00

	Component Description: Amount:	Address transition timing and coordination. \$39.00
	Component Description: Amount:	Reversal of initial cost component submitted (\$39.00)
	Component Description: Amount:	Reversal of initial cost component submitted (\$172.50)
	Component Description:	Address transition timing and coordination.
Prepare and or review reimbursement form	Amount:	\$172.50
Teimbursement toim	Component Description: Amount:	Attorney Fees to prepare and review Reimbursement Form 399 \$657.00
	Component Description:	Attorney Fees to prepare and review resubmitted Reimbursement
	Amount:	Form 399 N/A
	Component Description:	Reversal of initial cost component submitted
	Amount:	(\$618.00)

Component Description: Amount:	Reversal of initial cost component submitted (\$657.00)
Component Description: Amount:	Legal Services \$232.50
Component Description: Amount:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399. \$900.00
Component Description: Amount:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399. \$618.00
Component Description: Amount:	Legal services preparing, reviewing, and submitting FCC Reimbursement Form 399 \$900.00
Component Description: Amount:	Legal Services \$651.00
Component Description: Amount:	Reversal of initial cost component submitted. (\$900.00)

	Component Description: Amount:	Television Repacking Services - WEDW \$711.00
	Component Description:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399. \$657.00
Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description: Amount:	Legal services negotiating lease with Crown Castle for shared location. \$900.00
	Component Description: Amount:	WEDW-550- Attorney - Negotiate Lease and Other Matters \$46.25
	Component Description: Amount:	Invoice for legal services rendered through November 30, 2018. \$139.50
	Component Description: Amount:	Invoice for legal services rendered through May 31, 2019. \$324.00

Component Description: Amount:	Legal services negotiating lease with Crown Castle for shared location. \$1,200.00
Component Description: Amount:	a \$685.00
Component Description: Amount:	Television Repacking Services - WEDW \$378.00
Component Description:	Television
Amount:	Repacking Services - WEDW \$1,080.00
Component Description:	WEDW-550- Attorney - Special Temporary
Amount:	Authorization \$115.20
Component Description: Amount:	Professional Services \$115.20
Component Description:	Television Repacking
Amount:	Services - WEDW \$325.50
Component Description:	Reversal of initial cost component submitted in error
Amount:	(\$4,800.00)

	Component Description:	Reversal of initial cost component submitted in error
	Amount:	(\$2,400.00)
	Component Description:	Television Repacking
	Amount:	Services - WEDW \$279.00
	Component Description:	Reversal of initial cost component submitted in error
	Amount:	(\$1,800.00)
	Component Description:	Attorney - Negotiate Lease and Other Matters
	Amount:	\$221.00
	Component Description:	WEDW-550- Attorney - Negotiate Lease and Other Matters
	Amount:	\$54.00
	Component Description:	Legal services negotiating lease with Crown Castle
	Amount:	for shared location. \$2,400.00
	Component Description: Amount:	Legal services \$432.00
RF Exposure Measurements	Information not provided.	

Other Expenses

Cost Information

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	\$20,000.00	\$20,000.00	N/A	\$5,550.03	N/A
MVPD Notification of Channel Change	\$11,000.00	\$11,000.00	N/A	\$2,216.00	N/A
Develop and air announcement of upcoming channel change	\$69,000.00	\$69,000.00	See attachment for detailed justification.	\$270.00	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	\$18,911.94	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$40,000.00	\$40,000.00	N/A	\$589.00	N/A
Non-zoning permits	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Local Zoning	\$10,000.00	\$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

Sub-total	\$206,550.00	\$206,000.00	N/A	\$33,036.97	N/A
Total for all systems	\$1,733,192.49	\$1,400,946.58	N/A	\$521,384.58	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	Component Description:	Email exchanges
upcoming channel change	Amount:	with M. Sakellarides \$270.00
Equipment Storage	Information not provided.	

Equipment Delivery and Handling Charges	Component Description: Amount:	Lull \$3,749.06	
	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)	Component Description: Amount:	Bridgeport (CT)- Mixed Debris- 30 yard dumpster rental- 3 ton weight limit \$589.00	
Non-zoning permits	Information not provided.		
Local Zoning	Information not provided.		
DTV Medical Facility Notification	Component Description: Amount:	Mailing: Print and mail a two page, black and white generically addressed letter \$5,500.00	
	Amount:		

Cost	Grand Total				
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$1,733,192.49	\$1,400,946.58	\$521,384.58	

Reimbursem	entestiatus	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	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.	
		 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. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 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).
- 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 09/23/2020

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).	
		 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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) fied above.	Meg Sakellarides Chief Financial Officer 09/23/2020

Attachments

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