

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

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

04/08

ID:

File 0000027937

Number:

FRN: 0003574662 Date

> Submitted: /2021

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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
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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
	Туре	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
	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 Related Expenses	Do you have antenna related expenses?	Yes

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	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	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

New Antenna Costs

	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Тор
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	120.0 kW
	Manufacturer	

Model	SAA18-04A- J480-ET5R- 21
Year	2019
Justification for New Antenna	Existing antenna is single channel and is channel- specific. The new antenna is provided by RFS and includes an upgrade for elliptical polarization.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	4 1/16 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
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

Name	Description	
Project Expenses	Other services	
Spring Assy Watch Band	Spring Assy Watch Band Assy 1.38 ID QS	
Screw Shoulder	1/4-20 5/16 DIA	
Rubbing Shoe	4-50/6 CONN 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	Class	Full Power
Manufacturer and Type	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.

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

Primary Transmission Line

Existing Transmission Line

on Line Settion	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 Transmission Line

New Transmission Line

New Transmission Line

Costs

Question	Response
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

	5
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

Other Transmission Line Expenses Not Listed

Transmission	ndine	Description
	Project Expenses	Other services

Interim

New Transmission Line

Transmissio	n Line Section	Question	Response
New Transmission Line		Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	4 1/16 inches
		Segment Length	19 ¾ '
		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 loine tion not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	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	Do you have a tower registration number?	Yes
Registration	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?	Yes

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Existing Primary Tower-Tower Load Study	Existing Primary Tower-Tower Load Study

Tower Lease	Additional tower rent expense for interim antenna and transmission line necessary during transition.
Existing Primary Tower - Tower Mapping	Existing Primary Tower - Tower Mapping

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	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	Yes
	Number of Days	18
	Justification	Engineer oversight work required during equipment installation.

Outside Professional

Other Professional Services Expenses Not Listed

al Services Costs	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 Primary Transmitter ULXTE-16	Predetermined Cost Estimate \$590,719.30	Estimated Cost \$412,773.05	Estimated Cost Justification	Actual Cost \$257,500.56	Actual Cost Justification
Mask Filter	\$22,464.65	\$22,464.65	Please see attached quote Q- 79872.	\$14,976.42	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
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.	\$31,790.00	\$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
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
Sub-total	\$590,719.30	\$412,773.05	N/A	\$257,500.56	N/A
Total for all	\$1,884,843.68	\$1,650,148.37	N/A	\$998,101.34	N/A

Components

Actual Information	
Description	File Name

Mask Filter		
	Component Description:	WEDW-110-1st
		Primary
		Transmitter -
		Mask Filter
	Amount:	\$4,358.21
	Component Description:	1st Primary
		Transmitter -
		Mask Filter
	Amount:	\$3,130.00
	Component Description:	WEDW-110-1st
		Primary
		Transmitter -
		Mask Filter
	Amount:	\$7,488.21
RF Line 3 and one eighth inches	Information not provided.	
Other Electrical Service: Labor and materials to		
accomplish either	Component Description:	Materials
modification of existing electrical service or new	Amount:	\$12,740.00
electrical service and new	Component Description:	Work done at the
wiring for new transmitter and 3-phase 208V and	Component Description.	Trumbull location
wiring for 480 3-phase.	Amount:	\$5,150.00
withing for 400 3-phase.	7.111041111	ψο, 100.00
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v -	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW

Component Description: Electronic

Equipment

Amount: \$365.00

Component Description: ULXTE-16

Transmitter

Amount: \$65,264.57

Component Description: ULXTE-16

Transmitter down

payment

Amount: \$46,870.00

Component Description: 1/3 payment -

ULXTE-16

Transmitter

Amount: \$112,134.57

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		\$61,696.00	
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 SAA18-04A- J480-ET5R- 21	\$326,238.19	\$217,223.19		\$147,420.00	
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
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
Project Expenses	\$17,134.44	\$17,134.44	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	\$5,400.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$183,800.00	Please see attached RFS Quote 20093610	\$142,020.00	N/A
Sub-total	\$445,518.19	\$281,519.19	N/A	\$209,116.00	N/A
Total for all	\$1,884,843.68	\$1,650,148.37	N/A	\$998,101.34	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 Mount Bracket

Amount: \$3,060.00

Component Description: WEDW-280-

Interim Antenna -Custom Side Mount Bracket

Amount: \$93.60

Component Description: WEDW-280-

Interim Antenna Custom Side
Mount Bracket

Amount: \$2,365.20

Component Description: WEDW-280-

Interim Antenna -Custom Side Mount Bracket

Amount: \$2,365.20

Sweep test of existing antenna

Component Description: WEDW-280-

Interim Antenna -

Sweep Test

Amount: \$1,920.00

Component Description: INCLUDES ONE

FIELD ENGINEER

ON-SITE FOR

ONE DAY

Amount: \$100.00

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

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

Information not provided.

Elbow complex, single

needed)

channel, at antenna input, per 4 1/16. feedline (if

Sweep test of existing		
antenna	Component Description:	WEDW-210-
		Primary Antenna -
		Sweep Test
	Amount:	\$2,400.00
	Component Description:	WEDW-210-
		Primary Antenna -
		Sweep Test
	Amount:	\$3,000.00
HF - High Power Top		
Mount (200-1000 kW), One	Component Description:	SAA18-04A-J480-
tation antenna, elliptically		ET5R-21 UHF
r circularly polarized		Antenna
	Amount:	\$63,120.00
	Component Description:	SAA18-04A-J480-
	Component Description.	ET5R-21 UHF
		Antenna
	Amount:	\$78,900.00
	Amount:	\$78,900.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$11,360.00	\$40,069.59		\$35,246.79	
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	\$35,246.79	N/A
Primary Transmission Line	\$90,930.00	\$56,421.60		\$43,334.19	
Project Expenses	\$5,730.00	\$5,730.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 4 1 /16"	\$85,200.00	\$50,691.60	See Estimated Cost Justification WEDW-310- Primary Transmission Line - Rigid Copper V0	\$43,334.19	N/A
Sub-total	\$102,290.00	\$96,491.19	N/A	\$78,580.98	N/A
Total for all systems	\$1,884,843.68	\$1,650,148.37	N/A	\$998,101.34	N/A

Components

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 4 1/16"

Component Description: WEDW-380-

Interim

Transmission Line

- 4 1/16" Air Dielectric

Amount: \$2,542.50

Component Description: CONN ANCHOR

3-50 W/SCALLOP

INS "QS"

Amount: \$773.95

Component Description: WEDW-380-

Interim

Transmission Line

- 4 1/16" Air Dielectric

Amount: \$9,898.35

Component Description: WEDW-380-

Interim

Transmission Line

- 4 1/16" Air

Dielectric

Amount: \$2,460.00

Component Description: FREIGHT AND

SHIPPING

Amount: \$704.54

Component Description: WEDW-380-

Interim

Transmission Line

- 4 1/16"" Air Dielectric

Amount: \$384.80

Component Description: WEDW-380-

Interim

Transmission Line

- 4 1/16" Air Dielectric

Amount: \$4,870.50

Component Description: Other hanger

assembly 4 fixed added per change

order added

7.24.19

Amount: \$567.80

Component Description: WEDW-380-

Interim

Transmission Line

- 4 1/16" Air Dielectric

Amount: \$9,898.35

Component Description: Flexible

Transmission Line

Amount: \$3,146.00

Project Expenses Information not provided.

Rigid Transmission Line - copper, 4 1/16"

Component Description: 4 1/16" Expansion

Line Assy, 19.5'

Amount: \$24,074.55

Component Description: 4 1/6" Expansion

Line Assy, 19.5'

Amount: \$16,717.14

Component Description: Rigid

Transmission Line

Amount: \$2,542.50

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 Primary Tower TOWER	Predetermined Cost Estimate \$258,715.00	Estimated Cost \$365,805.00	Estimated Cost Justification	Actual Cost \$294,290.00	Actual Cost Justification
Existing Primary Tower - Tower Mapping	\$2,500.00	\$2,500.00	Please see Construction Services of Branford, LLC quote dated 6-30- 20	\$2,500.00	N/A
Tower Lease	\$71,515.00	\$71,515.00	N/A	N/A	N/A
Existing Primary Tower- Tower Load Study	\$2,500.00	\$2,500.00	Please see WEDW Existing Primary Tower- Tower Load Study Budget Revision Justification Letter	\$2,500.00	N/A
Tower Helicopter Lift	\$98,000.00	\$98,000.00	Please see Northeast Towers, Inc. quote SSJR- 20-1009-03 with email clarifying helicopter costs	\$98,000.00	N/A

Short	\$84,200.00	\$191,290.00	Please see	\$191,290.00	N/A
Tower (less than			Estimated Cost		
500')			Justification		
300)			WEDW-410-		
			Existing		
			Primary		
			Tower -		
			Tower		
			Rigging and		
			Equipment		
			V0		
Sub-total	\$258,715.00	\$365,805.00	N/A	\$294,290.00	N/A
Total for	\$1,884,843.68	\$1,650,148.37	N/A	\$998,101.34	N/A
all					

Components

Actual Information Description	File Name	
Existing Primary Tower - Tower Mapping	Component Description: Amount:	Labor - measure and map existing top plate \$2,500.00
Tower Lease	Information not provided.	
Existing Primary Tower- Tower Load Study	Component Description: Amount:	Structural analysis \$2,500.00

ower Helicopter Lift		
	Component Description:	WEDW-410-
		Existing Primary
		Tower -
		Helicopter Lift:
		\$24,500.00
	Amount:	\$24,500.00
	Component Description:	WEDW-410-
		Existing Primary
		Tower -
		Helicopter Lift:
		\$24,500.00
	Amount:	\$24,500.00
	Component Description:	WEDW-410-
		Existing Primary
		Tower -
		Helicopter Lift:
		\$49,000.00
	Amount:	\$49,000.00

Short Tower (less than 500')

Component Description: Structural

Analysis

Amount: \$5,000.00

Component Description: 25% Progress

Invoice

Amount: \$37,472.50

Component Description: 50% Progress

Invoice

Amount: \$74,945.00

Component Description: 25% Progress

Invoice

Amount: \$37,472.50

Component Description: WEDW -

Installation of new side mounted TV antenna

Amount: \$36,400.00

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	\$281,051.19	\$287,559.94		\$125,449.95	
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	\$3,283.55	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	\$9,910.85	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
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
Additional Field Engineering Service, 18 Days	\$6,151.19	\$6,151.19	WEDW Additional Field Engineering Services Budget Revision Justification Letter	\$2,962.35	see submitted invoices
Project Expenses	\$14,980.00	\$14,980.00	See attached detailed estimate	N/A	N/A
Prepare and or	\$2,630.00	\$3,151.50	Professional Services Invoices	\$2,626.50	N/A
reimbursement			Invoices		
review reimbursement form Project management of the transition	\$109,810.00	\$114,675.00	Widelity Strategic Support Quote	\$97,261.00	N/A

Total for all	\$1,884,843.68	\$1,650,148.37	N/A	\$998,101.34	N/A
systems					

Components

Actual Information Description	File Name
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.

Attorney Fees - Prepare and File request for Special Temporary Authorization

Component Description: WEDW-550-

Attorney - Special

Temporary Authorization

Amount: \$378.00

Component Description: Review emails from

FCC

Amount: \$144.00

Component Description: WEDW-550-

Attorney - Special

Temporary Authorization

Amount: \$108.00

Component Description: Draft exhibit STA to

transition

Amount: \$2,048.75

Component Description: Email Exchange

Amount: \$489.60

Component Description: WEDW-550-

Attorney - Special

Temporary Authorization

Amount: \$115.20

Attorney Fees -

Negotiation of lease and other matters for shared locations

Component Description: WEDW-550-

Attorney - Special

Temporary Authorization

Amount: \$115.20

Component Description: Legal services

Amount: \$432.00

Component Description: WEDW-550-Attorney -Negotiate Lease and Other Matters \$144.00 Amount: **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 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: Television

Repacking

Services - WEDW

Amount: \$378.00

Component Description: Television

Repacking

Services - WEDW

Amount: \$1,080.00

Component Description: Reversal of initial

cost component submitted in error

Amount: (\$2,400.00)

Component Description: Review FCC rulings

denying applications

Amount: \$1,267.20

Component Description: Professional

Services

Amount: \$115.20

Component Description: Television

Repacking

Services - WEDW

Amount: \$279.00

Component Description: WEDW-550-Attorney -Negotiate Lease and Other Matters \$662.40 Amount: **Component Description:** Reversal of initial cost component submitted in error Amount: (\$1,800.00)**Component Description:** Reversal of initial cost component submitted in error Amount: (\$4,800.00)**Component Description:** Television Repacking Services - WEDW Amount: \$325.50 **Component Description:** Legal services negotiating lease with Crown Castle for shared location. Amount: \$2,400.00 **Component Description:** Negotiate Lease and Other Matters \$525.00 Amount:

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application Information not provided.

Attorney Fees - Prepare and File FCC Form 2100 **Component Description:** Professional (main), Construction Services Permit Application Amount: \$115.20 Television **Component Description:** Repacking Services \$162.00 Amount: **Component Description:** Legal Services Amount: \$162.00 Prepare request for **Special Temporary Component Description:** Television Authorization Repacking Services - WEDW \$2,430.00 Amount: **Component Description:** Initial preparation of the engineering portion of the WEDW-DT STA request in Bridgeport /Stamford, CT Amount: \$1,750.00 E-filling of FCC **Component Description:** engineering \$450.00 Amount: Prepare engineering Information not provided. section of FCC Form 2100 (main), License to Cover Application

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Component Description: Engineering study

Construction Permit

Application (Main)

Amount: \$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: 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: \$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: (\$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: \$2,500.00

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: (\$875.00)

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

Component Description: Attorney Fees to

Address Transition

Timing

Amount: \$39.00

Component Description: Reversal of initial

cost component

submitted

Amount: (\$172.50)

Component Description: Reversal of initial

cost component

submitted

Amount: \$39.00

Component Description: Reversal of initial

cost component

submitted

Amount: (\$39.00)

Component Description: Attorney Fees to

Address Transition

Timing

Amount: \$39.00

Component Description: Address transition

timing and

coordination.

Amount: \$39.00

Component Description: Attorney Fees to

Address Transition

Timing

Amount: \$172.50

Component Description: Address transition

timing and

coordination.

Amount: \$39.00

	Component Description: Amount:	Address transition timing and coordination. \$172.50
Additional Field Engineering Service, 18 Days	Component Description: Amount:	Reimbursement is required for Peter Douglas \$2,962.35
	Component Description: Amount:	Reimbursement is required for Peter Douglas \$3,188.84
Project Expenses	Information not provided.	
Prepare and or review reimbursement form	Component Description: Amount:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399.
	Component Description: Amount:	Reversal of initial cost component submitted. (\$900.00)
	Component Description:	Legal services for preparing, reviewing, and submitting FCC Reimbursement Form 399.
	Amount:	\$657.00

Component Description: Attorney Fees to

prepare and review Reimbursement

Form 399

Amount: \$657.00

Component Description: Attorney Fees to

prepare and review

resubmitted Reimbursement

Form 399

Amount: N/A

Component Description: Legal services for

preparing, reviewing, and submitting FCC Reimbursement

Form 399.

Amount: \$618.00

Component Description: Legal Services

Amount: \$651.00

Component Description: Reversal of initial

cost component

submitted

Amount: (\$618.00)

Component Description: Reversal of initial

cost component

submitted

Amount: (\$657.00)

Component Description: Television

Repacking

Services - WEDW

Amount: \$711.00

Component Description: Legal Services

Amount: \$232.50

Component Description: Legal services

preparing, reviewing, and submitting FCC Reimbursement

Form 399

Amount: \$900.00

Project management of the transition

Component Description: Project

Management

Amount: \$257.70

Component Description: Project

Management

Amount: \$3,838.05

Component Description: Project

Management

Amount: \$1,344.95

Component Description: Project

Management

Amount: \$2,997.20

Component Description: Project

Management

Amount: \$250.00

Component Description: Project

Management

Amount: \$2,337.50

Component Description: Project

Management

\$2,511.60 Amount:

Component Description: Project

management

Amount: \$3,511.85

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:

\$3,439.45

Component Description:

Project management

Amount:

\$8,071.05

Component Description:

Project Management

Amount:

\$3,298.80

Component Description: Project

Management

Amount:

\$3,040.85

Component Description: Project

Management

Amount: \$4,149.95

Component Description: Project

Management

Amount: \$4,298.55

Component Description: Project

management

Amount: \$6,397.45

Component Description: Project

Management

Amount: \$2,677.25

Component Description: Project

Management

Amount: \$3,736.65

Component Description: Project

Management

Amount: \$3,602.80

Component Description: Project

Management

Amount: \$5,473.35

Component Description: Project

Management

Amount: \$553.75

Component Description: Project

Management

Amount: \$3,344.80

Component Description: Project

Management

Amount: \$2,472.15

Component Description: Project

Management

Amount: \$2,287.95

Component Description: Project

Management

Amount: \$3,767.70

Component Description: Project

Management

Amount: \$4,711.70

Component Description: Project

Management

Amount: \$1,577.50

Component Description: Project

Management

Amount: \$2,472.15

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		\$33,163.85	
Engineering and Administrative	\$20,000.00	\$20,000.00	N/A	\$5,676.91	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	\$33,163.85	N/A
Total for all systems	\$1,884,843.68	\$1,650,148.37	N/A	\$998,101.34	N/A

Components

Actual Information Description	File Name	
Engineering and Administrative	Component Description:	Reimbursement is required for Peter Douglas
	Amount:	\$126.88
	Component Description:	Peter Douglas's expenses incurred during a trip to CT to Repack
	Amount:	\$1,050.03
	Component Description: Amount:	Modification Design \$4,500.00
MVPD Notification of Channel Change	Component Description:	WEDW-610-MVPD
	Amount:	Notification \$216.00
	Component Description:	Prepare letters to MVPDs. Research and contact all relevant MVPD
	Amount:	entities \$2,000.00
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:	Environmental, Crane, Labor
	Amount:	\$13,762.88
	Component Description:	Lull
	Amount:	\$3,749.06
	Component Description:	Labor - WEDW FCC Repack CH.
	Amount:	21 \$1,400.00
Disposal Costs (for equipment and other waste, net of any salvage	Component Description:	Bridgeport (CT)- Mixed Debris- 30
value)		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

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,884,843.68	\$1,650,148.37	\$998,101.34

Reimbursem	enrestiatus	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

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
 Person signing
 below certifies that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

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

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

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

Meg Sakellarides Chief

Chief Financial Officer

04/08/2021

Section Question Response

Submission of Actual Cost Documentation Statements

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

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Meg Sakellarides Chief Financial Officer

04/08/2021

Attachments