

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

13602 Service: DTV Channel: 45 (UHF) Facility Call WEDH Sign:

File 0000028127

Number:

ID:

FRN: 0003574662 Date 08/10

> 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

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. Retuning of the existing transmitter to the new channel is cost-prohibitive. Interim antenna and transmission line are planned

during transition to main antenna.

Transmitters Section Question Response Transmitter Related Expenses Do you have transmitter related expenses? Yes

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	
Manufacturer and Type	Model	DCX Paragon MSDC-IOT
	Year	2008
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	36 kW

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	1) Comark has indicated that retuning the existing transmitter, coupled with the rental of a temporary transmitter, would be higher than the Widelity cost; 2) the temporary rental transmitter would reduce WEDH's public service to its community.

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 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

Other Transmitter Cost Not Listed

Name	Description
Mask Filter	8-Pole Mask Filter
Project Expenses	Other services

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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Bottom
	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)	490.0 kW

Manufacturer	
Model	TFU- 16DSC-R C170
Year	2009

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Bottom
	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)	365.0 kW
	Manufacturer	

Model	TFU- 16DSC-R C170
Year	2019
Justification for New Antenna	Existing antenna is single channel and is channel- specific. Justification for side mount brackets: antenna is top- mounted on candelabra tower but is side mounted in the bottom of the stack and side mounted brackets are required (see attached quote).

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	7 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power 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

Name	Description
Reducer	6-75 x 7-75
Project Expenses	Other services

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	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	Broadband Slot
	Number of Stations Supported	3
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	665.00 MHz
	Design power capacity in use	95.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1500.0 kW
	Manufacturer	
	Model	TFU-WB16
	Year	2020

Justification for New Antenna	Interim antenna is necessary for broadcast operation during tower work for 3 stations.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number		
31		
20		
45		

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

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	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1480 feet per run

New Transmission Line

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	7 3/16 inches	
	Other Diameter	N/A	
	Segment Length	20 inches	
	Other Segment Length	N/A	
	Number of parallel runs	1	
	Length	1480 feet per run	

Justification for New Transmission Line

Current shared transmission line is no longer

supported by manufacturer and will not work on new channel.

Other Transmission Line Expenses Not Listed

Primary	Other Transmission Line Expenses No	t Listed
Transmissio	n Line Name	Description
	Project Expenses	Other services

Interim

New Transmission Line

Transmissio	n section	Question	Response
	New Transmission Line Costs	Use	Interim
		Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	6 1/8 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	1450 feet per run
		Justification for New Transmission Line	Transmission line for temporary operation of 3 stations during antenna changes.

Other Transmission Line Expenses Not Listed

Transmission	Name Description	
	Interim Internal Transmission Line	Andrews Flexible Air Line, 4in at 80 feet with Reducer & Estimated Freight

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	Type of change	Modify Existing
Description	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower	Do you have a tower registration number?	No
Structure Registration	ASR Number	
Coordinates (Latitude (NAD83)	41° 42' 13.0" N-
NAD83 (North American Datum	Longitude (NAD83)	072° 49' 55.0" W-
of 1983))	Overall Structure Height	1338.89 feet
	Support Structure Height	1291.98 feet
	Ground Elevation Above Mean Sea Level (AMSL)	709.97 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	COMMUNICATIONS SITE MANAGEMENT, LLC
Date Constructed	09/01/1984

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
14050	WCCT-TV	DTV
1910	WRCH	FM
147	WTIC-TV	DTV
1900	WZMX	FM
66465	WTIC-FM	FM

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	Yes

Primary Tower

Other Tower Expenses Not Listed

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

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	695
	Explanation	Project management services by the transmitter manufacturer and tower landlord.
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
Jei vices	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	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	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	2
	Justification	Field Engineering required for RF study for a nearby AM directional system.

Outside
Outside
Professional Services Expenses Not Listed
Professional Services © pstsided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	Yes
	Is Remediation needed?	Yes
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
Insurance	Builder's Risk during construction
Site Security	Hire of outside security to secure the site during construction
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-50	\$1,052,680.80	\$1,034,248.62		\$973,696.95	
Project Expenses	\$0.00	\$0.00	N/A	\$0.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$7,617.82	Please see Estimated Cost Justification WEDH-110- 1st Primary Transmitter - Transformer v0	\$7,617.81	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$885,929.38	\$885,929.38	see Estimated Cost Justification WEDH-110- 1st Primary Transmitter v1	\$885,929.35	N/A
Mask Filter	\$44,385.24	\$44,385.24	Please see Estimated Cost Justification WEDH-110- 1st Primary Transmitter - Mask Filter v0	\$44,358.23	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 wiring for 480 3- phase.	\$86,716.18	\$86,716.18	N/A	\$35,791.56	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$10,100.00	\$9,600.00	N/A	\$0.00	N/A
Sub-total	\$1,052,680.80	\$1,034,248.62	N/A	\$973,696.95	N/A
Total for all systems	\$3,571,411.40	\$2,996,240.68	N/A	\$2,266,565.47	N/A

Components

Actual Information Description	File Name
Project Expenses	Information not provided.

Transformer 3 phase/480v - 150 KVA		
150 KVA	Component Description:	WEDH-110-1st
		Primary
		Transmitter -
		Transformer
	Amount:	\$121.02
	Component Description:	WEDH-110-1st
		Primary
		Transmitter -
		Transformer
	Amount:	\$4,997.86
	Component Description:	WEDH-110-1st
	Component Description.	Primary
		Transmitter -
		Transformer
	Amount:	\$2,498.93

UHF - Liquid Cooled Solid State Transmitter 31.7 kW

Component Description: ULXTE-50

Transmitter

Amount: \$227,988.22

Component Description: Disconnects and

removals of equipment associated with the existing digital

transmitter

Amount: \$3,960.00

Component Description: Demo & Removal

of equipment

Amount: \$26,400.00

Component Description: ULXTE-50

Transmitter

Amount: \$46,700.00

Component Description: ULXTE-50

Transmitter per Quote Q-79869

Amount: \$281,397.67

Component Description: ULXTE-50

transmitter

Amount: \$69,920.07

Component Description: ULXTE-50

Amount: \$229,563.39

Mask Filter		
	Component Description:	WEDH-110-1st
		Primary
		Transmitter -
	Amount:	Mask Filter
	Amount:	\$9,654.17
	Component Description:	WEDH-110-1st
		Primary
		Transmitter -
		Mask Filter
	Amount:	\$3,300.00
	Component Description:	WEDH-110-1st
		Primary
		Transmitter -
		Mask Filter
	Amount:	\$16,214.58
	Component Description:	WEDH-110-1st
		Primary
		Transmitter -
		Mask Filter
	Amount:	\$14,584.37

Component Description:

Amount:

WEDH-110-1st

Primary
Transmitter Mask Filter

\$605.11

Other Electrical Service: Labor and materials to **Component Description:** Work done per accomplish either your purchase modification of existing order #4036 dated electrical service or new 4/29/2019. electrical service and new Amount: \$34,980.00 wiring for new transmitter and wiring for 480 3-phase. **Component Description:** Wiring for additional pump Amount: \$811.56 4" Rigid Conduit and Wiring Information not provided. (Cost per foot)

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-WB16	\$138,630.00	\$132,400.00		\$0.00	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$12,000.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 1500 kW input, directional,, horizontally polarized	\$34,000.00	\$34,000.00	In resubmission on 8/22/17, item has been reduced to 1 /3 the initially submitted amount for sharing of cost with WTIC and WCCT.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
Primary Antenna TFU-16DSC- R C170	\$462,520.00	\$200,579.00		\$182,956.60	

Project Expenses	\$0.00	\$0.00	N/A	N/A	N/A
Reducer	\$2,240.00	\$2,240.00	See attached quote from Dielectric supporting cost.	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$17,752.00	Antenna is top-mounted on candelabra tower but is side mounted in the bottom of the stack of the candelabra and therefore side-mounted brackets are required (see attached quote from Dielectric).	\$17,728.80	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 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$29,564.70	Please see Dielectric Order Confirmation 1696757, less amount already forwarded for payment in superseded category	\$14,222.90	N/A

Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$14,998.00	Dielectric Quote 800211CMZ- 3A	\$14,980.60	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$129,624.30	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$129,624.30	N/A
Sub-total	\$601,150.00	\$332,979.00	N/A	\$182,956.60	N/A
Total for all systems	\$3,571,411.40	\$2,996,240.68	N/A	\$2,266,565.47	N/A

Components

Actual Information Description	File Name
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 1500 kW input, directional,, horizontally polarized	Information not provided.

Sweep test of existing antenna		
amornia	Component Description:	CT-Hartford-
		WEDH-Work on
		interim antenna
		option; memo - Professional
		Services
	Amount:	\$125.00
	1	*.====
Project Expenses	Information not provided.	
Reducer	Information not provided.	
Side mount brackets for		
high power antennas (if not	Component Description:	WEDH-210-
included in antenna base	property of the property of th	Primary Antenna -
cost)		Side Mount
		Brackets
	Amount:	\$1,752.00
	Component Description:	WEDH Primary
		Antenna Side Mount Brackets
	Amount:	\$7,988.40
	Amount.	ψ1,300.40
	Component Description:	WEDH Primary
	2330	Antenna Side
		Mount Brackets
	The state of the s	

Sweep test of existing antenna	Component Description:	INCLUDES ONE
	Component Description:	FIELD ENGINEER
		ON-SITE FOR
		ONE DAY
	Amount:	\$640.00
	Component Description:	WEDH Primary
		Antenna Sweep
	Amount:	Test \$2,880.00
	Component Description:	WEDH Primary Sweep Test
	Amount:	\$2,880.00
UHF - Lower Power Side		
Mount, One station antenna	Component Description:	Antenna UHF Side
200-500 kW, elliptically or circularly polarized		/Pole Mount
circularly polarized	Amount:	\$14,222.90
Elbow complex, single		
channel, at antenna input,	Component Description:	WEDH Primary
per 7 3/16. feedline (if needed)		Antenna Elbow
needed)		Complex
	Amount:	\$6,749.10
	Component Description:	WEDH-210-
	, p. 1 2 223. .p	Primary Antenna -
		Elbow Complex, 7
		3/16"
	Amount:	\$1,482.40
	Component Description:	WEDH Primary
	Component Description.	Antenna Elbow
		Complex
		Complex

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized

Component Description: Antenna - UHF

Side/Pole Mount,

Rigid

Transmission Line

- Copper, etc.

Amount: \$64,812.15

Component Description: Antenna - UHF

side/pole mount

Amount: \$64,812.15

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 Cos Justificatio
Interim Transmission Line	\$350,344.20	\$93,944.20		\$13,170.80	
Interim Internal Transmission Line	\$13,944.20	\$13,944.20	see Estimated Cost Justification WEDH-380- Interim Trans Line - Other Exps Not Listed v0	\$13,170.80	N/A
Rigid Transmission Line - copper, 6 1 /8" broadband	\$336,400.00	\$80,000.00	In resubmission on 8/22/17, item has been reduced to 1 /3 the initially submitted amount for sharing of cost with WTIC and WCCT.	\$0.00	N/A
Primary Transmission Line	\$429,200.00	\$304,893.96		\$303,951.69	
Rigid Transmission Line - copper, 7 3 /16"	\$429,200.00	\$304,893.96	see Estimated Cost Justification WEDH-310- Primary Transmission Line - 7 3:16" Rigid Copper v1	\$303,951.69	N/A

Project Expenses	\$0.00	\$0.00	N/A	N/A	N/A
Sub-total	\$779,544.20	\$398,838.16	N/A	\$317,122.49	N/A
Total for all systems	\$3,571,411.40	\$2,996,240.68	N/A	\$2,266,565.47	N/A

Components

Actual Information Description	File Name	
Interim Internal Transmission Line	Component Description: Amount:	FREIGHT AND SHIPPING \$892.27
	Component Description: Amount:	Flexible Transmission Line \$10,077.41
	Component Description: Amount:	Reducer 6-50 X 3- 50 W/CONN "QS \$1,615.00
	Component Description: Amount:	OTHER \$586.12
Rigid Transmission Line - copper, 6 1/8" broadband	Component Description:	WEDH FCC Repack Ch 30 Interim transmission
	Amount:	line installation \$2,398.00
Rigid Transmission Line - copper, 7 3/16"	Component Description: Amount:	RIGID TRANSMISSION LINE -COPPER \$7,098.12

Component Description: TRANSMISSION

LINE-RIGID \$1,674.00

Component Description:

Amount:

Amount:

Chip out mortar

\$347.60

Component Description: Rigid Transmission

Line

Amount: \$2,384.00

Component Description: TRANSMISSION

LINE-RIGID

Amount: \$2,448.00

Component Description: WEDH Primary

Transmission Line

Amount: \$127,423.44

Component Description: TRANSMISSION

LINE-RIGID

Amount: \$5,659.26

Component Description: Freight, Shipping,

and Handling

Amount: \$5,170.00

Component Description: RIGID

TRANSMISSION

LINE - COPPER

Amount: \$6,216.39

Component Description: OTHER Freight and

Shipping

Amount: \$1,133.89

Component Description: WEDH Primary

Transmission Line

Amount: \$127,423.44

Component Description: WEDH-310-Primary

Transmission Line -

7 3/16" Rigid Copper

Amount: \$6,752.72

Component Description: Freight and Shipping

Amount: \$773.40

Component Description: T/L 7-75 EIA

LENGTH 15' TO 20' FIXED FLG 1 END/ SWIVEL FLG 1 END

Amount: \$9,447.43

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 Primary Tower	Predetermined Cost Estimate \$681,350.00	Estimated Cost \$803,700.00	Estimated Cost Justification	Actual Cost \$606,452.50	Actual Cos Justification
Tower Helicopter Lift	\$24,750.00	\$24,750.00	Please see attached Turris Engineering Quote 18-136- CO#3 and CPTV Purchase Order 4940	\$24,750.00	N/A
Tower Lease	\$65,000.00	\$65,000.00	See attached quote and invoice from Communications Site Management LLC - estimated cost reduced from \$167,020.00 to \$65,000.00	\$65,000.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$200,000.00	N/A	\$111,274.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$501,950.00	See Turris Engineering, Inc quote #18-0779- R2	\$401,588.50	N/A

Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$3,840.00	N/A
Sub-total	\$681,350.00	\$803,700.00	N/A	\$606,452.50	N/A
Total for all systems	\$3,571,411.40	\$2,996,240.68	N/A	\$2,266,565.47	N/A

Components

Components		
Actual Information Description	File Name	
Tower Helicopter Lift	Component Description: Amount:	Additional Cost associated with Helicopter Lift and Required excess Liability Insurance. \$24,750.00
Tower Lease	Component Description: Amount:	Interim Antenna - Tower Rent per Amendment \$65,000.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description: Amount:	WEDH-410- Existing Primary Tower - Complex Tower - Tower Rigging and Equipment \$111,274.00
Minor tower reinforcement /modifications		

Component Description: Re: 18-0779

WEDH-TV Antenna and tower Modification

Amount: \$120,950.00

Component Description: Antenna and

tower Modification

Amount: \$48,380.00

Component Description: Antenna and

Tower

Modifications for Top Mounted Antenna

Amount: \$9,800.00

Component Description: Antenna and

tower modification

Amount: \$120,950.00

Component Description: Weather Days for

the Month of April

Amount: \$5,750.00

Component Description: N/A

Amount: N/A

Component Description: Antenna and T/L

Modification,
Commsite Tower

Amount: \$3,162.50

Component Description: 30% in progress

payments during field installations

Amount: \$24,190.00

Component Description: 25% Down

Payment due upon Acceptance

of Order

Amount: \$9,676.00

Component Description: Weather days for

the month of May

2019

Amount: \$10,350.00

Component Description: RE: 18-0779

WEDH-TV Antenna and

tower Modification Farmington, CT.

Amount: \$48,380.00

Structural engineering tower

load study for well documented tower

Component Description: Tower structural

analysis and

report.

Amount: \$3,840.00

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
Outside Professional Services	\$256,030.00	\$254,768.50	Justinication	\$134,513.70	Justinication
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,000.00	N/A
Project management of the transition	\$109,810.00	\$114,675.00	Please see quotes.	\$113,317.55	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	\$0.00	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$1,342.50	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,482.50	Estimated Cost Justification WEDH-550- Attorney - Negotiate Lease and Other Matters v0	\$4,482.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,268.00	per Estimated Cost Justification WEDH-550- Attorney - License to Cover Application Main v0	\$2,268.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,207.00	N/A
Additional Field Engineering Service, 2 Days	\$4,000.00	\$4,000.00	N/A	\$93.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$3,468.00	Professional Services invoices	\$3,106.50	N/A

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$1,071.65	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,375.00	Du Treil Invoices	\$4,625.00	N/A
Sub-total	\$256,030.00	\$254,768.50	N/A	\$134,513.70	N/A
Total for all systems	\$3,571,411.40	\$2,996,240.68	N/A	\$2,266,565.47	N/A

Components

•		
Actual Information Description	File Name	
Prepare request for Special Temporary Authorization	Information not provided.	
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:	CT Hartford-WEDH- Work on new CP app with share with WEDY
	Amount:	\$1,000.00
Project management of the transition	Component Description: Amount:	Project Management \$2,160.35
•		Management

Component Description: Project

Management

\$2,479.60 Amount:

Project

Component Description:

Management

Amount: \$1,607.00

Component Description: Project

Management

Amount: \$2,267.90

Component Description: Project

Management

Amount: \$3,238.10

Component Description: Project

management

Amount: \$4,138.70

Component Description: Project

Management

Amount: \$3,051.40

Component Description: Project

Management

Amount: \$5,535.15

Project **Component Description:**

Management

\$4,699.30 Amount:

Component Description: Project

Management

Amount: \$348.75 **Component Description:** Project

Management

Amount:

\$813.75

Component Description: Project

Management

Amount:

\$1,163.75

Component Description:

Project

Amount:

Management \$2,799.35

Component Description:

Project

Amount:

Management \$2,608.50

Component Description:

Project

Amount:

Management

\$1,577.50

Component Description:

Project

Amount:

Management

\$6,561.55

Component Description:

Project

Amount:

Management

\$4,531.80

Component Description:

Project Management

Amount:

Φ4 **7**20 **7**0

\$4,738.70

Component Description:

Project

Amount:

management \$459.45 Component Description: Project

Management

Amount: \$5,422.10

Project

Management

Amount: \$5,918.95

Component Description: Project

Component Description:

management

Amount: \$2,659.80

Component Description: Project

Management

Amount: \$257.70

Component Description: Project

Management

Amount: \$2,675.40

Component Description: Project

Management

Amount: \$7,515.40

Component Description: Project

Management

Amount: \$2,482.20

Component Description: Project

Management

Amount: \$4,377.95

Component Description: Project

Management

Amount: \$4,348.45

Component Description: Project

Management

Amount: \$3,531.30

Component Description: Project

Management

Amount: \$3,493.55

Component Description: Project

Management

Amount: \$5,535.15

Component Description: Project

Management

Amount: \$4,771.05

Component Description: Project

Management

Amount: \$1,303.25

Component Description: Project

Management

Amount: \$3,081.20

Component Description: Project

Management

Amount: \$4,373.70

Component Description: Project

Management

Amount: \$942.50

Component Description: Project

Management

Amount: \$1,382.45

RF Exposure Measurements	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description:	WEDH-550- Attorney - Specia Temporary
	Amount:	Authorization \$216.00
	Component Description:	WEDH-550- Attorney - Specia
	Amount:	Temporary Authorization \$46.50
	Component Description:	Invoice for legal
	Amount:	services, Email exchange J May \$1,080.00

Attorney Fees -Negotiation of lease and other matters for shared locations

Component Description: Invoice for legal

services rendered through May 31,

2019.

Amount: \$216.00

Component Description: Invoice for legal

services rendered through January

31, 2019.

Amount: \$486.00

Component Description: Transition progress

report

Amount: \$128.00

Component Description: Legal services

Amount: \$1,027.50

Component Description: Legal Services

Amount: \$2,139.00

Component Description: Attorney -

Negotiate Lease and Other Matters

Amount: \$128.00

Component Description: WEDH-550-

Attorney -

Negotiate Lease and Other Matters

Amount: \$486.00

Attorney Fees -Prepare and File FCC Form 2100 WEDH-550-**Component Description:** (main), License to Cover Attorney - License Application to Cover Application (Main) Amount: \$162.00 **Component Description:** Legal services Amount: \$2,106.00 Attorney Fees - Prepare and File FCC Form 2100 **Component Description:** Prepare and file (main), Construction Construction Permit Permit Application Application (Form 2100). Amount: \$600.00 **Component Description:** WEDH-550-Attorney -**Construction Permit** Application (Main) Amount: \$1,026.00 **Component Description:** Legal Services Amount: \$1,209.00 **Component Description:** Attorney -Construction Permit Application (Main) \$372.00 Amount: Additional Field Engineering Service, 2 **Component Description:** Legal services Days rendered through November 30, 2018. \$93.00 Amount: Prepare and or review

reimbursement form

Component Description: Leg

Amount:

Legal Services

\$325.50

Component Description: Legal services for

preparing, reviewing and submitting FCC Reimbursement

Form 399

Amount: \$540.00

Component Description:

Amount:

Prepare and Review

\$93.00

Component Description:

Amount:

Amount:

Prepare and Review

\$534.00

Component Description: Prepare and

Review

Reimbursement

Form

Amount: \$325.50

Component Description: WEDH Legal

Services

Amount: \$172.50

Component Description: Please Deny this

invoice

Amount: N/A

Component Description: Legal Services

\$325.50

Component Description: Legal Services

Amount: \$790.50

Component Description: Television

Repacking

Services - WEDH

Amount:

\$627.00

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

Component Description:

Transition timing

and coordination.

Amount: \$39.00

Component Description:

Professional

Services

Amount: \$230.40

Component Description:

Work on draft

coordination letter

Amount: \$802.25

Component Description: Address transition

timing and coordination

Amount: \$39.00

Component Description: Address transition

timing and coordination.

Amount: \$172.50

Perform engineering study for new channel assignment and antenna development

Component Description: Engineering study

work for new

channel

assignment and

antenna

development

Amount: \$125.00

Component Description: Engineering study

work for new

channel

assignment and

antenna

development

Amount: \$500.00

Component Description: CT Hartford-WEDH-

Early transition analysis/Phase 4

Amount: \$1,625.00

Component Description: Engineering study

work for new channel

assignment and

antenna development

\$1,500.00

Component Description: CT New Haven-

Assist w/channel share-WEDH-App

/Map

Amount: \$875.00

Amount:

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	\$200,656.40	\$171,706.40		\$51,823.23	
AM Pattern Disturbance Remedy	\$21,050.00	\$0.00	Disallowed by FCC as it is duplicated by a request from WTIC.	N/A	N/A
AM Pattern Disturbance Impact study	\$7,890.00	\$540.00	see Estimated Cost Justification WEDH-610- AM Pattern Disturbance - Impact Study v0	\$540.00	N/A
Engineering and Administrative	\$20,000.00	\$20,000.00	N/A	N/A	N/A
Site Security	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Insurance	\$18,150.00	\$18,150.00	Turris Engineering Proposal #50195000	\$18,150.00	N/A
MVPD Notification of Channel Change	\$11,000.00	\$11,000.00	N/A	\$2,000.00	N/A

Develop and air announcement of upcoming channel change	\$6,000.00	\$6,000.00	N/A	\$54.00	N/A
Equipment Storage	\$15,000.00	\$15,000.00	N/A	\$7,985.08	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	\$10,534.15	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$30,016.40	\$30,016.40	See attached quotes from D'Amato and Tri-S for justification.	\$6,760.00	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	\$5,800.00	N/A
Local Zoning	\$15,000.00	\$15,000.00	N/A	\$0.00	N/A
Sub-total	\$200,656.40	\$171,706.40	N/A	\$51,823.23	N/A
Total for all systems	\$3,571,411.40	\$2,996,240.68	N/A	\$2,266,565.47	N/A

Components

Actual Information Description	File Name	
AM Pattern Disturbance Remedy	Information not provided.	
AM Pattern Disturbance Impact study	Component Description: Amount:	Television Repacking Services \$540.00

Engineering and Administrative	Information not provided.	
Site Security	Information not provided.	
Insurance		
	Component Description:	Insurance
		Premium - WEDH
		FCC Repack Ch.
		30
	Amount:	\$18,150.00
MVPD Notification of		
Channel Change	Component Description:	WEDH MVPD
		Notification
	Amount:	\$2,000.00
Develop and air		
announcement of upcoming	Component Description:	WEDH-610-
channel change	Component Bood iption.	Develop and Air
		Channel Change
		Announcement
	Amount:	\$54.00

Equipment Storage

Component Description: Rental for (2)

storage containers

Amount: \$753.39

Component Description: Rental for 2

storage containers

Amount: \$1,130.08

Component Description: WEDH FCC

Repack Ch 30 Site prep for 2 storage

containers

Amount: \$2,556.95

Component Description: Mobile Mini **Amount:** \$1,130.08

Component Description: Rental for 2

storage containers

Mobile Mini

Amount: \$1,130.08

Component Description: WEDH FCC

Repack Ch 30 Rental for 2

storage containers

Amount: \$1,284.50

Equipment Delivery and		
Handling Charges	Component Description:	Unload tractor
	·	trailer at shop
	Amount:	\$4,898.85
	Component Description:	Schedule and pick
		up trucks from Penske in Hartford, bring to Bristol shop to stage for trip to S Portland,
		Maine
	Amount:	\$5,635.30
Disposal Costs (for		
equipment and other waste, net of any salvage value)	Component Description:	Transportation and Disposal of 50/50 Mixture of Coolant Mixed with Distilled Water from
	Amount:	Farmington, CT \$1,445.00
	Component Description:	Transportation and
		Disposal of 50/50 mixture of Dowtherm with
		Distilled water and Alpha 4 Heat
		transfer Fluid
	Amount:	\$1,845.00
	Component Description:	Disconnects and
		removals of equipment
		associated with the existing analog
	Amount:	transmitter \$3,470.00
Non-zoning permits	Information not provided.	

OTV Medical Facility Notification	Component Description: Amount:	WEDH Medical Notification \$5,800.00
Local Zoning	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,571,411.40	\$2,996,240.68	\$2,266,565.47

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

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 Financial

08/10/2021

Officer

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

08/10/2021

Attachments