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

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

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

File Number: **0000028127**

FRN: **0003574662** | Date Submitted: **03/25/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CONNECTICUT PUBLIC BROADCASTING, INC. Doing Business As: CONNECTICUT PUBLIC TELEVISION	Meg Sakellarides 1049 ASYLUM AVENUE HARTFORD, CT 06105 United States	+1 (860) 278-5310	MSAKELLARIDES@CPTV.ORG	Not-for-Profit

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

Broadcaster Information and Transition Plan

Question	Response

Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
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

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	DCX Paragon MSDC-IOT
	Year	2008
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	36 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?	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.

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 wiring for 480 3-phase.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A

Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

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

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	490.0 kW

Manufacturer	
Model	TFU-16DSC-RC170
Year	2009

Primary Antenna

New Antenna Costs

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

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A

	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	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

Primary Antenna

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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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
	Type	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?	B
	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 Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	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

Primary Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	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.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Project Expenses	Other services

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	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.

Interim Transmission Line

Other Transmission Line Expenses Not Listed

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 Description	Type of change	Modify Existing
	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 Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 42' 13.0" N-
	Longitude (NAD83)	072° 49' 55.0" W-
	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
147	WTIC-TV	DTV
1910	WRCH	FM
66465	WTIC-FM	FM
14050	WCCT-TV	DTV
1900	WZMX	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?	No

Primary Tower

Other Tower Expenses Not Listed

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

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	695
	Explanation	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
	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 Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

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	**$926,487.17**	**$907,933.97**		**$295,777.97**	
Mask Filter	***$43,753.12***	$43,753.12	N/A	$19,514.58	N/A
Project Expenses	***$0.00***	$0.00	N/A	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 wiring for 480 3-phase.	***$86,716.18***	$86,716.18	N/A	$0.00	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	$7,496.80	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 31.7 kW	***$760,367.87***	$760,367.87	N/A	$276,263.39	N/A
Sub-total	$926,487.17	$907,933.97	N/A	$295,777.97	N/A
Total for all systems	$3,191,215.98	$2,426,687.98	N/A	$630,429.84	N/A

Components

Actual Information Description	File Name
Mask Filter	**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
Project Expenses	Information not provided.
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.	Information not provided.
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 31.7 kW	**Component Description:** **Amount:**	ULXTE-50 Transmitter $46,700.00
	Component Description: **Amount:**	ULXTE-50 $229,563.39

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	**$235,520.00**	**$221,390.00**		**$82,429.65**	

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).	$7,988.40	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	$6,749.10	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$2,880.00	N/A

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	$189,500.00	$180,000.00	N/A	$64,812.15	N/A
Sub-total	$374,150.00	$353,790.00	N/A	$82,429.65	N/A
Total for all systems	$3,191,215.98	$2,426,687.98	N/A	$630,429.84	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	**Component Description:** CT-Hartford-WEDH-Work on interim antenna option; memo - Professional Services **Amount:** $125.00
Project Expenses	Information not provided.
Reducer	Information not provided.

Side mount brackets for high power antennas (if not included in antenna base cost)	**Component Description:** **Amount:**	WEDH Primary Antenna Side Mount Brackets $7,988.40
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	**Component Description:** **Amount:**	WEDH Primary Antenna Elbow Complex $6,749.10
Sweep test of existing antenna	**Component Description:** **Amount:**	WEDH Primary Antenna Sweep Test $2,880.00
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	**Component Description:** **Amount:**	Antenna - UHF Side/Pole Mount, Rigid Transmission Line - Copper, etc. $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 Cost Justification
Interim Transmission Line	**$348,092.41**	**$91,692.41**		**$1,615.00**	
Interim Internal Transmission Line	***$11,692.41***	$11,692.41	Please see attached Dielectric quote 800141CMZ-1 at $10,672.41 and attached Dielectric invoice 203001 for freight costs at $1,020.	$1,615.00	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**	**$283,337.20**		**$127,423.44**	
Project Expenses	***$0.00***	$0.00	N/A	N/A	N/A

Rigid Transmission Line - copper, 7 3 /16"	$429,200.00	$283,337.20	Dielectric Quote 800211CMZ-3A	$127,423.44	N/A
Sub-total	$777,292.41	$375,029.61	N/A	$129,038.44	N/A
Total for all systems	$3,191,215.98	$2,426,687.98	N/A	$630,429.84	N/A

Components

Actual Information Description	File Name	
Interim Internal Transmission Line	**Component Description:** **Amount:**	Reducer 6-50 X 3-50 W/CONN "QS $1,615.00
	Component Description: **Amount:**	Flexible Transmission Line $10,077.41
Rigid Transmission Line - copper, 6 1/8" broadband	**Component Description:** **Amount:**	WEDH FCC Repack Ch 30 Interim transmission line installation $2,398.00
Project Expenses	Information not provided.	
Rigid Transmission Line - copper, 7 3/16"	**Component Description:** **Amount:**	WEDH Primary Transmission Line $127,423.44

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatior
Primary Tower TOWER	**$656,600.00**	**$357,000.00**		**$65,000.00**	
Structural engineering tower load study for well documented tower	$12,600.00	$12,000.00	N/A	$0.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$200,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	$158,000.00	$80,000.00	N/A	N/A	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
Sub-total	$656,600.00	$357,000.00	N/A	$65,000.00	N/A
Total for all systems	$3,191,215.98	$2,426,687.98	N/A	$630,429.84	N/A

Components

Actual Information Description	File Name	
Structural engineering tower load study for well documented tower	**Component Description:** **Amount:**	Tower structural analysis and report. $3,840.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Minor tower reinforcement /modifications	Information not provided.	
Tower Lease	**Component Description:** **Amount:**	Interim Antenna - Tower Rent per Amendment $65,000.00

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	**$256,030.00**	**$254,268.00**		**$36,346.75**	
Additional Field Engineering Service, 2 Days	***$4,000.00***	$4,000.00	N/A	$93.00	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	$84,200.00	$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	$46.50	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	$4,210.00	$4,000.00	N/A	$2,139.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$1,581.00	N/A
Prepare and or review reimbursement form	$2,630.00	$3,468.00	Professional Services invoices	$1,767.00	N/A
Project management of the transition	$109,810.00	$114,675.00	Please see quotes.	$28,220.25	N/A
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	$0.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,375.00	Du Treil Invoices	$2,500.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A

Prepare request for Special Temporary Authorization	$4,100.00	$3,000.00	N/A	N/A	N/A
Sub-total	$256,030.00	$254,268.00	N/A	$36,346.75	N/A
Total for all systems	$3,191,215.98	$2,426,687.98	N/A	$630,429.84	N/A

Components

Actual Information Description	File Name	
Additional Field Engineering Service, 2 Days	**Component Description:** **Amount:**	Legal services rendered through November 30, 2018. $93.00
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:** **Amount:**	WEDH-550-Attorney - Special Temporary Authorization $46.50

Attorney Fees - Negotiation of lease and other matters for shared locations	**Component Description:** **Amount:** **Component Description:** **Amount:**	Attorney - Negotiate Lease and Other Matters $128.00 Legal Services $2,139.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:**	Attorney - Construction Permit Application (Main) $372.00 Legal Services $1,209.00 Prepare and file Construction Permit Application (Form 2100). $600.00

Prepare and or review reimbursement form	**Component Description:**	Prepare and Review Reimbursement Form
	Amount:	$325.50
	Component Description:	Legal Services
	Amount:	$325.50
	Component Description:	Legal Services
	Amount:	$790.50
	Component Description:	Legal services for preparing, reviewing and submitting FCC Reimbursement Form 399
	Amount:	$534.00
	Component Description:	Legal Services
	Amount:	$325.50
	Component Description:	Television Repacking Services - WEDH
	Amount:	$627.00
	Component Description:	Legal services for preparing, reviewing and submitting FCC Reimbursement Form 399
	Amount:	$540.00

Project management of the transition	**Component Description:**	Project Management
	Amount:	$2,675.40
	Component Description:	Project Management
	Amount:	$1,577.50
	Component Description:	Project Management
	Amount:	$6,561.55
	Component Description:	Project Management
	Amount:	$257.70
	Component Description:	Project Management
	Amount:	$4,531.80
	Component Description:	Project Management
	Amount:	$4,377.95
	Component Description:	Project Management
	Amount:	$4,373.70
	Component Description:	Project Management
	Amount:	$1,382.45
	Component Description:	Project Management
	Amount:	$2,482.20

Address transition timing and coordination issues w/ other stations and wireless	**Component Description:**	Address transition timing and coordination
	Amount:	$39.00
	Component Description:	Address transition timing and coordination.
	Amount:	$172.50
	Component Description:	Transition timing and coordination.
	Amount:	$39.00

Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:**	CT Hartford-WEDH-Early transition analysis/Phase 4 $1,625.00
	Component Description: **Amount:**	Engineering study work for new channel assignment and antenna development $2,000.00
	Component Description: **Amount:**	CT New Haven-Assist w/channel share-WEDH-App /Map $875.00
	Component Description: **Amount:**	Engineering study work for new channel assignment and antenna development $125.00
	Component Description: **Amount:**	Engineering study work for new channel assignment and antenna development $500.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	

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

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$200,656.40**	**$178,666.40**		**$21,837.03**	
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	N/A	N/A
Develop and air announcement of upcoming channel change	***$6,000.00***	$6,000.00	N/A	N/A	N/A
Equipment Storage	***$15,000.00***	$15,000.00	N/A	$3,687.03	N/A
Equipment Delivery and Handling Charges	***$25,000.00***	$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	N/A	N/A

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	$7,500.00	N/A	N/A	N/A
Non-zoning permits	***$10,000.00***	$10,000.00	N/A	N/A	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.	N/A	N/A
Local Zoning	***$15,000.00***	$15,000.00	N/A	$0.00	N/A
Sub-total	$200,656.40	$178,666.40	N/A	$21,837.03	N/A
Total for all systems	$3,191,215.98	$2,426,687.98	N/A	$630,429.84	N/A

Components

Actual Information Description	File Name
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	Information not provided.

Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	**Component Description:** WEDH FCC Repack Ch 30 Site prep for 2 storage containers **Amount:** $2,556.95 **Component Description:** Rental for 2 storage containers **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	Information not provided.
DTV Medical Facility Notification	Information not provided.
AM Pattern Disturbance -- Remedy	Information not provided.
AM Pattern Disturbance -- Impact study	Information not provided.
Non-zoning permits	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Local Zoning	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,191,215.98	$2,426,687.98	$630,429.84

Reimbursement Status

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

Certification

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

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

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Meg Sakellarides** *Chief Financial Officer* 03/25/2019

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Meg Sakellarides** *Chief Financial Officer* 03/25/2019

Attachments