

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Service: DTV Call **WFXT** Channel: 34 (UHF) Facility Sign:

File 0000027904

Number:

ID:

FRN: 0029118650 Date 05/20

> Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
COX MEDIA GROUP NORTHEAST, LLC Doing Business As: COX MEDIA GROUP NORTHEAST, LLC	Director of Engineering 25 FOX DRIVE DEDHAM, MA 02027 United States	+1 (781) 467- 2525	sean. anker@coxinc. com	Limited Liability Company

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
Sean Anker Director of Engineering Cox Media Group Northeast, LLC	Director of Engineering 25 Fox Drive Dedham, MA 02027 United States	+1 (781) 467- 2525	Sean.Anker@coxinc. com

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	Move to American Tower interim site broadcasting on current channel while we prepare our current site for operation on new channel with new transmitter and new shared antenna.

Transmitters

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

Auxiliary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup
	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
	Year	2004
	Туре	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	25 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.3 kW
	Justification for New Transmitter	Comark has advised us that they are no longer going to retune existing DCX transmitters.

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches

	Length	400.0 feet
	Other Electrical Service	Yes
	Description	Surge suppressor, UPS
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	15 tons
	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

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Name	Description
480V Transformer 112.5kVA	The transmitter specifies a 112.5 kVA transformer to provide 208V power service.
208V electrical distribution panel	A new electric distribution panel is required for the new 208V system.
UHF inside RF system including switching	Mask filter and accessories.

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	
Manufacturer and Type	Model	DCX
	Year	1999
	Туре	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	60 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-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38.0 kW
	Justification for New Transmitter	Comark has advised us that they can not retune our existing transmitter, and suitable output IOT transmitters cost more than the solid-state system.

Primary Transmitter

Other Transmitter Costs

No
No
Yes

	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	700.0 feet
	Other Electrical Service	Yes
	Description	Surge suppressor, UPS for control and transmitter electronics
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	30 tons
	Other Size	N/A tons
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	1500.0 square feet
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
Replace 1000A-480V electrical service entrance wiring	Required for code compliance due to the amount of electric work being permitted. Mains currently run through old cabinetry /transfer switch.

20 Ton HVAC for combiner	20 ton HVAC system to provide cooling of the combiner facility.
Replace 1000A-480V switchgear	Due to mains replacement for code compliance, the main disconnect and primary switch gear must be replaced.
Ice Shield for HVAC equipment	Ice protection for HVAC compressor split units placed in close proximity of tower located within a geographical location prone to ice and snow.
Replace generator transfer switch	Transfer switch replacement is necessary due to code compliance work noted in this section.
208V distribution panel	Transmitter will require a new electric distribution panel for the 208V system.
UHF inside RF system including switching	Mask filter, dummy load, other accessories.

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-24
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	16.1 kW
	Justification for New Transmitter	Continue service to Boston viewers during rework of primary site.

Interim Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	400.0 feet
	Other Electrical Service	Yes

	Description	Surge Suppression, UPS for transmission and control systems.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	15 tons
	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
480V Electrical Sub-panel	New 480V electrical sub-panel wired off of the existing switchgear required to supply power for the additional transmitter added to the shared space. This space currently does not have sufficient power available.
Studio to Transmitter Link	Cost to install and lease fiber STL for duration of operation and build backup microwave STL path.

Electrical installation of transmitter	Electrical conduit and wiring from American Tower Corp., provided connection to all Interim Transmitter equipment, and drilling holes in exterior wall for transmitter connections to outside equipment.
Remote Control	System to allow remote control of the transmitter and associated equipment from the main studio location.
208V Electrical distribution panel	New 208V panel and distribution for transmitter and related electronics
75kVA transformer	To convert 480V main power to 208V.

Antennas

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

Primary Antenna

Existing Antenna Information

	Question	Response
Existing Antenna Description	Type of change	Lease 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?	Yes
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	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)	780.0 kW
	Manufacturer	

Model	TFU-19ETT /VP-R 4 C190
Year	2009

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	No
	Ownership	Leased
	Owner	American Tower
	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 Types	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	Туре	Broadband Panel
	Number of Stations Supported	5
	Number of Panels/Bays	14
	Lower Limit	430.00 MHz
	Upper Limit	600.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	910.0 kW
	Manufacturer	

Model	TUM-AP- O4-14/56H- 2-B
Year	2018
Justification for New Antenna	American Tower is removing the current top mounted antennas on the Needham Hts. candelabra and replacing it with a broadband panel. Other stations listed will be using as interim/aux.

Primary 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	5
	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?	Single Channel
	Feed Line Size	8 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number
34
20
21
32
33

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner installation	Installation of combiner; Single chain of 5 high power constant impedance waveguide modules, and/or dual chains of 5 directional filter modules per Dielectric layout. required for broadband antenna system

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Ownership	Leased
	Owner	American Tower Corporation
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
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)	300.0 kW
	Manufacturer	
	Model	TFU-24WB- 1-R C170

Year	2017
Justification for New Antenna	American Tower Corp. will be providing the new interim facility. The antenna will be used to support WFXT and other stations during the repack process.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	8 3/16 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

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	Lease 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	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1080 feet per run

New Transmission Line

Primary Transmission

New

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1250 feet per run
	Justification for New Transmission Line	We will have one run to the new combiner, and then two runs up the tower to the new antenna. Line must be sized to 8-3/16" to have sufficient capacity for multi-user site.

Primary

Other Transmission Line Expenses Not Listed

Transmission	Name	Description	
	Transmission line from transmitter to combiner	New transmission line to take the signal from the transmitter to the combiner.	

Interim

New Transmission Line

Transmission	n Line Section	Question	Response
	New Transmission Line Costs	Use	Interim
		Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	8 3/16 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	80 feet per run
		Justification for New Transmission Line	Transmission line from transmitter to antenna combiner connection point.

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	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?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1004233
Coordinates (NAD83 (Latitude (NAD83)	42° 18' 10.7" N-
North American Datum of 1983))	Longitude (NAD83)	071° 13' 04.9" W-
	Overall Structure Height	1200.77 feet
	Support Structure Height	1101.04 feet
	Ground Elevation Above Mean Sea Level (AMSL)	150.92 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers, LLC
Date Constructed	04/19/2005

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
9639	WODS	FM
73238	WLVI	DTV
1901	WBZ-FM	FM
23439	WBOS	FM
26897	WBMX	FM

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly 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 Permit Drawing Package	The generation of a construction drawing package.
Ground and Building A and E Permit Drawing Package	The generation of a construction drawing package.
Construction project management	Est. 12 hours on Modification project management and 20 hours for RF installation project management for a total of twenty 20 days,

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	95
	Explanation	ATC costs to manage all of the tower /antenna work.
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes

	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	Yes
	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	No
	Number of Days	N/A
	Justification	N/A

Other Professional Services Expenses Not Listed

Outside	Other Professional Services Expenses Not Listed		
Professional	l Services Costs	Description	
	ATC Perform engineering study for new channel assignment and antenna development	ATC's cost to perform engineering study for new channel assignment and antenna development	
	RF System Test	Testing of the combiner to ensure all frequencies are tuned for optimal patterns.	

Site	Coor	dination	Meeting
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Site coordination meetings with all broadcasters, contractors and vendors involved with the site deliveries and construction. This cost is for travel and logistics expenses accrued.

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	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
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
Interim Site Building Permits	The cost of prep and submission of the forms for permits, on behalf of the one (1) broadcasters for jurisdictional permits, required for electrical, building and other required tasks associated with the install of the equipment in the transmitter space.
Interim Site Construction Project Management	(24) hours on Modification project management and RF installation project management.
Interim Site Equipment Delivery and Handling Costs	This cost is for the material/equipment, delivery and offloading by third party contractors.
Interim Site Ground and Building Permit Drawings	The generation of a construction drawing package for one (1) broadcasters /customers.
Interim Site Lease	One-time lease payment to cover the duration of the interim site construction and operation time periods.
Interim Site Public Hearing	Public hearing to alter height of tower by changing top antenna.
Interim Site RF System Test	Testing of the combiner to ensure all frequencies are tuned for optimal patterns.
Interim Site Site Coordination Meeting	Site coordination meetings with all broadcasters, contractors and vendors involved with the site deliveries and construction. This cost is for travel and logistics expenses accrued.
Interim Site Tower Permit Drawing Package	The generation of a construction drawing package for one (1) broadcasters /customers.
Interim Site Tower Rigging	Includes the installation of the new antenna, refurbishing of two (2) transmission Lines, any required tower bracket material to support the additional transmission line on the tower, and one 44' antenna stub section (labor included).
Interim Site transition timing and coordination	Coordination and transition planning with all parties onsite.

Main Site Structural Engineering Study	Required for safe installation of antenna equipment.
Interim Site Nitrogen System Upgrade	Upgrade of necessary nitrogen generation system to maintain pressure in transmissio lines.
Main Site Asbestos and Lead Tests	Asbestos testing, removal and abatement for walls which could contain lead paint and /or the flooring may contain asbestos, because of the age of the facility and the era when the original construction took place.
Main Site Nitrogen System	Installation of necessary nitrogen generation system to maintain pressure in transmission lines.
Main Site Public Hearing	Cost for representation during any required public hearings.
Main Site Security During Install	Site security for installation and storage of Transmission line and materials for 30 days X 12 hours. These materials are a high risk of theft due to the material makeup such as copper, brass and aluminum.

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
Interim Transmitter ULXTE-24	\$1,060,974.79	\$694,180.89		\$625,173.09	
75kVA transformer	\$0.00	\$0.00	N/A	N/A	N/A
208V Electrical distribution panel	\$0.00	\$0.00	This item has been reduced to zero from \$10,000. A separate budget item was added to reflect WFXT's actual electrical costs that were directly incurred for installation of the transmitter.	N/A	N/A
Remote Control	\$17,805.00	\$17,805.00	Updated cost due to increase in actual implementation cost to cover computer equipment.	\$17,676.38	N/A

Electrical installation of transmitter	\$20,474.98	\$20,474.98	Cost required for electrical installation of transmitter. This component reduces by \$15,000 two items that were in the initial budget \$10,000 from 208V Panel and \$5,000 from 2" Conduit. It also includes drilling holes to outside required for install.	\$20,474.98	N/A
Studio to Transmitter Link	\$78,000.00	\$78,000.00	Combined monthly cost for fiber link during interim operation, plus antennas, receiver, and tower work for microwave STL path.	\$17,265.63	N/A
UHF inside RF system including switching	\$147,500.00	\$0.00	N/A	N/A	N/A
15 Ton system	\$88,400.00	\$0.00	This item will not be required as expected.	N/A	N/A
Other Electrical Service: Surge Suppression, UPS for transmission and control systems.	\$4,394.81	\$4,394.81	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$558,506.10	Cost estimate reduced from \$590,205.90 to reflect final actual cost.	\$558,506.10	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$5,000.00	Reduced from \$10,000 to \$5,000 to reflect estimated amount from American Tower and addition of a budget line to cover electrician costs incurred directly by WFXT.	\$3,750.00	N/A
480V Electrical Sub-panel	\$10,000.00	\$10,000.00	ATC estimate	\$7,500.00	N/A
Primary Transmitter ULXTE-60	\$1,955,351.97	\$1,557,535.14		\$862,223.41	
Other Building Addition Size: 1500.0	\$1,800.00	\$1,800.00	Partition walls for security. ATC supplied cost.	\$1,350.00	"Inv 46020013 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions of invoice number

20 Ton HVAC for combiner	\$22,000.00	\$22,000.00	N/A	\$16,500.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136
Ice Shield for HVAC equipment	\$4,000.00	\$4,000.00	Ice protection for HVAC compressor split units placed in close proximity of tower located within a geographical location prone to ice and snow.	\$3,000.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136
UHF inside RF system including switching	\$138,801.97	\$138,801.97	N/A	\$26,068.27	N/A
208V distribution panel	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Replace generator transfer switch	\$22,000.00	\$22,000.00	N/A	N/A	N/A
Replace 1000A-480V switchgear	\$50,000.00	\$50,000.00	N/A	N/A	N/A
30 Ton system	\$166,000.00	\$158,000.00	N/A	\$96,991.00	N/A

Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$6,236.88	This cost is for the equipment only.	N/A	N/A
KVA			costs will be included in wiring costs.		
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,108,196.29	N/A	\$718,314.14	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$18,200.00	\$12,500.00	N/A	N/A	N/A
Other Electrical Service: Surge suppressor, UPS for control and transmitter electronics	\$6,500.00	\$6,500.00	N/A	N/A	N/A
Replace 1000A-480V electrical service entrance wiring	\$17,500.00	\$17,500.00	N/A	N/A	N/A
Auxiliary Transmitter ULXTE-40	\$1,121,673.10	\$930,147.20		\$542,857.56	
UHF inside RF system including switching	\$91,000.00	\$91,000.00	N/A	\$22,110.04	N/A
208V electrical distribution panel	\$10,000.00	\$10,000.00	N/A	N/A	N/A

480V Transformer 112.5kVA	\$2,973.10	\$2,973.10	Equipment cost only. Installation is included in wiring costs.	N/A	N/A
15 Ton system	\$55,800.00	\$53,000.00	Widelity cost estimate for a 15 ton cooling system	\$37,737.00	N/A
Other Electrical Service: Surge suppressor, UPS	\$4,500.00	\$4,500.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$6,250.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$762,424.10	N/A	\$483,010.52	N/A
Sub-total	\$4,137,999.86	\$3,181,863.23	N/A	\$2,030,254.06	N/A
Total for all systems	\$6,776,081.86	\$4,745,295.23	N/A	\$3,010,336.06	N/A

Components

Actual Information Description	File Name
75kVA transformer	Information not provided.
208V Electrical distribution panel	Information not provided.

Remote Control		
	Component Description:	Software required for remote control of the
		interim transmitter.
	Amount:	\$12,249.90
	Amount.	Ψ12,243.30
	Component Description:	Client and server
		computers for
		transmitter remote
		control.
	Amount:	\$5,426.48
Electrical installation of		
transmitter	Component Description:	Invoice cost for
		electrical installation
		of the transmitter
		and cooling systems, and drilling of holes
		in exterior wall for
		electric and fluid
		connections to
		cooling equipment.
	Amount:	\$20,474.98
Studio to Transmitter Link		
	Component Description:	Cost for Resource ID
		95TBGS399884NE -
		Installation and
		operation of fiber link
		to feed WFXT signal
		from the studio to the transmitter. The
		invoice and contract
		covers the period
		from installation in
		Sept., 2018 through
		the end of phase 4
		operation.
	Amount:	\$17,265.63
	Information not provided.	
UHF inside RF system	·	
UHF inside RF system including switching	·	

Other Electrical Service: Surge Suppression, UPS for transmission and control systems.	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description:	Final invoice for Interim Transmitter including final change order and project freight.
	Amount:	\$40,168.77
	Component Description: Amount:	3/3 Progress payment on interim transmitter. Installation and proof will be billed on a fourth invoice. Quote added to invoice. \$153,957.33
	Component Description:	1/3 progress payment on interim transmitter.
	Amount:	\$183,460.50
	Component Description:	1/3 down payment on ULXTE-24 Interim Transmitter.
	Amount:	\$180,919.50

2" Rigid Conduit and		
Wiring (Cost per foot)	Component Description: Amount:	50% at billing milestone 2 of line 3-C-1, 2" Rigid Conduit in the project cost estimate section III.B. 1 Transmitters. \$2,500.00
	Component Description: Amount:	25% milestone 1 billing of line 3-C-1, 2" Rigid Conduit in the project cost estimate section III.B. 1 Transmitters. \$1,250.00
	Allound	ψ1,200.00
480V Electrical Sub-panel		
	Component Description:	50% milestone 2 billing of line 3-C-6, New Electrical Sub- panels in the project cost estimate section III.B.1 Transmitters.
	Amount:	\$5,000.00
	Component Description:	25% milestone 1 billing of line 3-C-6, New Electrical Sub- panels in the project cost estimate section
		III.B.1 Transmitters.

Other -- Building Addition

Size: 1500.0

Component Description: Updated attachment:

Milestone 1 (of 3) payment for partition walls at multi-user Main Site. This is line 3-C-3 in the project cost estimate

section III.B.1 Transmitters.

Amount: \$450.00

Component Description: This cost component

line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

Component Description: Milestone 2 (of 3)

payment for partition walls at multi-user Main Site. This is line 3-C-3 in the

project cost estimate

section III.B.1 Transmitters.

Amount: \$900.00

20 Ton HVAC for combiner

Component Description: Updated attachment:

Milestone 1 (of 3) payment for 20 Ton System at multi-user Main Site. This is line 3-C-2 in the project cost estimate

section III.B.1 Transmitters.

Amount: \$5,500.00

Component Description: Milestone 2 (of 3)

payment for 20 Ton System at multi-user Main Site. This is line 3-C-2 in the project cost estimate

section III.B.1 Transmitters.

Amount: \$11,000.00

Component Description: This cost component

line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Ice Shield for HVAC		
equipment	Component Description:	Updated attachment: Milestone 1 (of 3) payment for HVAC equipment ice shield at multi-user Main Site. This is line 3-C- 6 in the project cost estimate section III.B. 1 Transmitters.
	Amount:	\$1,000.00
	Component Description:	Milestone 2 (of 3) payment for HVAC equipment ice shield at multi-user Main Site. This is line 3-C- 6 in the project cost estimate section III.B. 1 Transmitters.
	Amount:	\$2,000.00
UHF inside RF system including switching	Component Description:	1/3 down payment of mask filter and RF
	Amount:	accessories \$26,068.27
208V distribution panel	Information not provided.	
Replace generator transfer switch	Information not provided.	
Replace 1000A-480V switchgear	Information not provided.	

30 Ton system		
	Component Description:	Full cost of supplemental cooling required during
	Amount:	construction. \$1,965.00
	Component Description:	Deposit invoice for 30 ton HVAC system on main transmitter.
	Amount:	\$30,000.00
	Component Description:	Final invoice for 30 ton HVAC system on main transmitter.
	Amount:	\$65,026.00
Transformer 3 phase /480v - 150 KVA	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	Second payment due prior to shipment. \$358,060.22
	Component Description:	1/3 down payment of main transmitter system
	Amount:	\$360,253.92
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Other Electrical Service: Surge suppressor, UPS for control and transmitter electronics	Information not provided.	
Replace 1000A-480V electrical service entrance wiring	Information not provided.	

UHF inside RF system including switching	Component Description:	1/3 of broken out mask filter and rf
	Amount:	accessories costs \$22,110.04
208V electrical distribution panel	Information not provided.	
480V Transformer 112.5 kVA	Information not provided.	
15 Ton system		
	Component Description:	Deposit invoice for 15 ton HVAC system on aux transmitter.
	Amount:	\$15,000.00
	Component Description:	Final invoice for 15
		ton HVAC system on aux transmitter.
	Amount:	\$22,737.00
Other Electrical Service: Surge suppressor, UPS	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 21 - 31		4/0
kW	Component Description:	1/3 payment due prior to shipment.
	Amount:	\$247,180.12
	Component Description:	1/3 down payment on transmitter
		on transmitter

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-24WB- 1-R C170	\$211,480.00	\$155,000.00		\$116,250.00	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$138,000.00	N/A	\$103,500.00	N/A
Sweep test of existing antenna	\$6,730.00	\$5,000.00	Cost provided by ATC as part of the interim site project.	\$3,750.00	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$12,000.00	Cost provided by ATC as part of the interim site project.	\$9,000.00	N/A
Primary Antenna TUM-AP- O4-14/56H- 2-B	\$359,996.00	\$398,876.00		\$299,157.00	

New	\$84,200.00	\$135,400.00	Dual chains	\$101,550.00	Cost
combiner,			of mask filter		increase is
cost per			/combiner		due to
channel			modules per		intricate
(without			Dielectric		design of
antenna)			layout.		shared
			Includes		combiner
			input power		system
			dividers,		which will
			output		include
			switching,		mask filters
			and		for stations
			eliminates		sharing the
			need for		system.
			mask filters.		"Inv
					460200136
					ATC MS1
					with CL
					and
					updated
					estimate.
					pdf"
					replaces all
					previous
					versions of
					invoice
					number
					460200136
Sweep test	\$6,730.00	\$3,000.00	Cost	\$2,250.00	"Inv
of existing			provided by		460200136
antenna			ATC as part		ATC MS1
			of the main		with CL
			site project.		and
			WFXT will		updated
			be the		estimate.
			primary user.		pdf"
			WCVB,		replaces all
			WBZ,		previous
			WSBK, and		versions of
			WGBX will		invoice
			be interim		number
			De Interim		numner

UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	\$246,816.00	\$246,816.00	Updated cost provided by ATC after final selection of Dielectric as manufacturer.	\$185,112.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$6,660.00	Elbow complex for the input of the new Broadband antenna.	\$4,995.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
Combiner installation	\$7,000.00	\$7,000.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim /aux users.	\$5,250.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
Sub-total	\$571,476.00	\$553,876.00	N/A	\$415,407.00	N/A
Total for all systems	\$6,776,081.86	\$4,745,295.23	N/A	\$3,010,336.06	N/A

Components

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally polarized	Component Description: Amount:	50% at billing milestone 2, line 3-B in ATC project cost estimate section III.B.2 Antenna Changes. \$69,000.00
	Component Description: Amount:	25% at billing milestone 1, line 3-B in ATC project cost estimate section III.B.2 Antenna Changes. \$34,500.00
Sweep test of existing antenna	Component Description: Amount:	25% at billing milestone 1, line 3-C-2 sweep test of existing line in ATC project cost estimate section III.B.2 Antenna Changes. \$1,250.00
	Component Description: Amount:	50% at billing milestone 2, line 3-C-2 sweep test of existing line in ATC project cost estimate section III.B.2 Antenna Changes. \$2,500.00

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)

Component Description: 50% at billing

milestone 2, line 3-

C-2 Elbow

Complex in ATC project cost estimate section III.B.2 Antenna

Changes.

Amount: \$6,000.00

Component Description: 25% at billing

milestone 1, line 3-

C-2 Elbow

Complex in ATC project cost estimate section III.B.2 Antenna

Changes.

Amount: \$3,000.00

New combiner, cost per channel (without antenna)

Component Description: Updated

attachment:

Milestone 1 (of 3)
payment for our
portion of multiuser RF combiner
at multi-user Main
Site. This is line 3C-1 Combiners
For Shared
Antenna in the
project cost
estimate section

III.B.2 Antenna

Changes. **Amount:** \$33,850.00

Component Description: Milestone 2 (of 3)

payment for our portion of multi-user RF combiner at multi-user Main Site. This is line 3-C-1 Combiners For Shared Antenna in the project cost estimate section III.B.2 Antenna Changes.

Amount: \$67,700.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Sweep test	of existing
antenna	

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.

Amount: \$750.00

Component Description: Milestone 2 (of 3)

payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.

Amount: \$1,500.00

UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized

Component Description: Milestone 2 (of 3)

payment for our portion of multiuser BBA antenna at multi-user Main Site. This is line 3-

B UHF High

Power Top Mount in the project cost estimate section III.B.2 Antenna Changes.

Amount: \$123,408.00

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of multiuser BBA antenna at multi-user Main Site. This is line 3-

B UHF High

Power Top Mount in the project cost estimate section III.B.2 Antenna Changes.

Amount: \$61,704.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of multiuser elbow

complex at broadband antenna at multi-user Main Site. This is line 3-

C-2 Elbow
Complex in the
project cost
estimate section
III.B.2 Antenna
Changes.

\$1,665.00

Component Description: Milestone 2 (of 3)

Amount:

payment for our portion of multi-user elbow

complex at broadband antenna at multi-user Main Site. This is line 3-

C-2 Elbow
Complex in the
project cost
estimate section
III.B.2 Antenna
Changes.

Amount: \$3,330.00

Combiner installation

Updated **Component Description:**

attachment:

Milestone 1 (of 3) payment for our portion of the combiner

installation at multiuser Main Site. This is line 3-C-2

Combiner

Installation in the project cost estimate section III.B.2 Antenna Changes.

Amount: \$1,750.00

Component Description: Milestone 2 (of 3)

> payment for our portion of the

combiner

installation at multiuser Main Site. This is line 3-C-2

Combiner

Installation in the project cost

estimate section III.B.2 Antenna

Changes.

Amount: \$3,500.00

Component Description: This cost

> component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

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	\$31,920.00	\$30,320.00		\$0.00	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$31,920.00	\$30,320.00	N/A	N/A	N/A
Primary Transmission Line	\$1,037,500.00	\$280,000.00		\$180,000.00	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$997,500.00	\$240,000.00	Transmission line required to feed the multi-user broadband antenna.	\$180,000.00	Reimbursem request is for the initial 7 /16" line bud of \$240,000. The 8-3/16" lis an upgrade and WFXT with be responsible for the difference Please see cover letter "Inv 4602001 ATC MS1 with CL and updated estimate.po
Transmission line from transmitter to combiner	\$40,000.00	\$40,000.00	N/A	N/A	N/A
Sub-total	\$1,069,420.00	\$310,320.00	N/A	\$180,000.00	N/A

Total for all	\$6,776,081.86	\$4,745,295.23	N/A	\$3,010,336.06	N/A
systems					

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 8 3/16" broadband	Information not provided.	
Rigid Transmission Line - copper, 8 3/16" broadband	Component Description: Amount:	Updated attachment: Milestone 1 (of 3) payment for our portion of multiuser transmission line at multi-user Main Site. This is line 3-A New Transmission Line Costs in the project cost estimate section III. B.2 Transmission Line Changes. \$60,000.00
	Component Description:	Milestone 2 (of 3)
	Amount:	payment for our portion of multi-user transmission line at multi-user Main Site. This is line 3-A New Transmission Line Costs in the project cost estimate section III. B.2 Transmission Line Changes. \$120,000.00
Transmission line from transmitter to combiner	Information not provided.	

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification		Actual Cost Justification
Primary Tower GTOWER	\$618,700.00	\$337,240.00		\$252,930.00	
Minor tower reinforcement /modifications	\$158,000.00	\$140,000.00	Updated cost based on results of final design and structural analysis of installation.	\$105,000.00	Cost increased after review of tower and work required to install broad band antenna on this shared use site. "Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.

Tower	\$26,300.00	\$7,440.00	Cost	\$5,580.00	"Inv
mapping for			provided		460200136
an			by ATC as		ATC MS1
undocumented			part of the		with CL
/poorly			main site		and
documented			project.		updated
tower and			WFXT will		estimate.
preparation of			be the		pdf"
documentation			primary		replaces all
necessary for			user.		previous
tower load			WCVB,		versions of
study			WBZ,		invoice
			WSBK,		number
			and WGBX		460200136.
			will be		
			interim/aux		
			users.		
Ground and	\$4,700.00	\$4,700.00	Cost	\$3,525.00	"Inv
Building A and			provided		460200136
-					4.70.1404
E Permit			by ATC as		ATC MS1
			by ATC as part of the		with CL
Drawing			part of the main site		
			part of the main site		with CL and
Drawing			part of the		with CL
Drawing			part of the main site project. WFXT will		with CL and updated estimate.
Drawing			part of the main site project. WFXT will be the		with CL and updated estimate. pdf"
Drawing			part of the main site project. WFXT will be the primary		with CL and updated estimate. pdf" replaces all
Drawing			part of the main site project. WFXT will be the primary user.		with CL and updated estimate. pdf" replaces all previous
Drawing			part of the main site project. WFXT will be the primary user. WCVB,		with CL and updated estimate. pdf" replaces all previous versions of
Drawing			part of the main site project. WFXT will be the primary user. WCVB, WBZ,		with CL and updated estimate. pdf" replaces all previous versions of invoice
Drawing			part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK,		with CL and updated estimate. pdf" replaces all previous versions of invoice number
Drawing			part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX		with CL and updated estimate. pdf" replaces all previous versions of invoice
Drawing			part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK,		with CL and updated estimate. pdf" replaces all previous versions of invoice number

Compley	\$421,000.00	\$176,400.00	Cost	¢132 200 00	"Inv
Complex Tower	φ 4 ∠ 1,000.00	φ170,400.00	provided	\$132,300.00	460200136
(includes, for			by ATC as		ATC MS1
			part of the		with CL
example,			-		
those with			main site		and
candelabras			project.		updated
and/or			WFXT will		estimate.
stacked			be the		pdf"
antennas)			primary		replaces all
			user.		previous
			WCVB,		versions of
			WBZ,		invoice
			WSBK,		number
			and WGBX		460200136
			will be		
			interim/aux		
			users.		
Construction	\$4,000.00	\$4,000.00	Cost	\$3,000.00	"Inv
project			provided		460200136
management			by ATC as		ATC MS1
_					
			-		with CL
			part of the main site		
			part of the main site		with CL and
			part of the		with CL
			part of the main site project. WFXT will		with CL and updated estimate.
			part of the main site project. WFXT will be the		with CL and updated estimate. pdf"
			part of the main site project. WFXT will be the primary		with CL and updated estimate. pdf" replaces all
			part of the main site project. WFXT will be the primary user.		with CL and updated estimate. pdf" replaces all previous
			part of the main site project. WFXT will be the primary user. WCVB,		with CL and updated estimate. pdf" replaces all previous versions of
			part of the main site project. WFXT will be the primary user. WCVB, WBZ,		with CL and updated estimate. pdf" replaces all previous versions of invoice
			part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK,		with CL and updated estimate. pdf" replaces all previous versions of invoice number
			part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX		with CL and updated estimate. pdf" replaces all previous versions of invoice
			part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK,		with CL and updated estimate. pdf" replaces all previous versions of invoice number

\$4,700.00	\$4,700.00	Cost	\$3,525.00	"Inv
		provided		460200136
		by ATC as		ATC MS1
		part of the		with CL
		main site		and
		project.		updated
		WFXT will		estimate.
		be the		pdf"
		primary		replaces al
		user.		previous
		WCVB,		versions of
		WBZ,		invoice
		WSBK,		number
		and WGBX		460200136
		will be		
		interim/aux		
		users.		
\$618,700.00	\$337,240.00	N/A	\$252,930.00	N/A
\$6,776,081.86	\$4,745,295.23	N/A	\$3,010,336.06	N/A
	\$618,700.00	\$618,700.00 \$337,240.00	provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux users.	provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux users. \$618,700.00 \$337,240.00 N/A \$252,930.00

Components

Actual Information	
Description	File Name

Minor tower reinforcement /modifications

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of structural modifications at multi-user Main Site. This is line 3-A-2 Major Tower Reinforcement /Modifications in

B.2 Tower

Equipment and Rigging Costs.

the project cost estimate section III.

Amount: \$35,000.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

Component Description: Milestone 2 (of 3)

payment for our portion of structural modifications at multi-user Main Site. This is line 3-A-2 Major Tower Reinforcement /Modifications in the project cost estimate section III.

B.2 Tower
Equipment and
Rigging Costs.

Amount: \$70,000.00

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of tower documentation at

multi-user Main Site. This is line 3-

A-1 Tower
Mapping in the project cost

estimate section III.

B.2 Tower

Equipment and Rigging Costs.

Amount: \$1,860.00

Component Description: Milestone 2 (of 3)

payment for our portion of tower documentation at multi-user Main Site. This is line 3-

A-1 Tower
Mapping in the project cost

estimate section III.

B.2 Tower Equipment and Rigging Costs.

Amount: \$3,720.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Ground and Building A and E Permit Drawing Package

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of building drawings at multiuser Main Site.

This is line 3-D-1

Ground and

Building drawings in the project cost estimate section III.

B.2 Tower

Equipment and Rigging Costs.

Amount: \$1,175.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

Component Description: Milestone 2 (of 3)

payment for our portion of building drawings at multi-user Main Site.
This is line 3-D-1
Ground and
Building drawings in the project cost estimate section III.

B.2 Tower
Equipment and
Rigging Costs.

Amount: \$2,350.00

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)

Component Description: Updated

attachment:
Milestone 1 (of 3)
payment for our
portion of tower
rigging for the

complex

candelabra tower at multi-user Main Site. This is line 3-C-1 Complex Tower in the project cost

estimate section III.

B.2 Tower

Equipment and Rigging Costs. \$44,100.00

Amount:

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

Component Description: Milestone 2 (of 3)

payment for our portion of tower rigging for the complex

candelabra tower at multi-user Main Site. This is line 3-C-1 Complex Tower in the project cost

estimate section III.

B.2 Tower
Equipment and
Rigging Costs.

Amount: \$88,200.00

Construction project
management

Component Description: Updated

attachment: MS1 (of 3) payment for our portion of

project

management by ATC at multi-user Main Site. This is

line 3-D-1 Construction Project

Management in the

project cost

estimate section III.

B.2 Tower

Equipment and Rigging Costs.

Amount: \$1,000.00

Component Description: Milestone 2 (of 3)

payment for our portion of project management by American Tower Corp. at multi-user Main Site. This is

line 3-D-1 Construction Project

Management in the

project cost

estimate section III.

B.2 Tower
Equipment and
Rigging Costs.

Amount: \$2,000.00

Tower Permit Drawing Package

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of tower permit drawing package at multiuser Main Site.
This is line 3-D-1
Tower Permit
Drawing Package

B.2 Tower

Equipment and Rigging Costs.

in the project cost estimate section III.

Amount: \$1,175.00

Component Description: Milestone 2 (of 3)

payment for our portion of tower permit drawing package at multiuser Main Site.
This is line 3-D-1
Tower Permit
Drawing Package in the project cost estimate section III.

B.2 Tower

Equipment and Rigging Costs.

Amount: \$2,350.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

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 Cos
Outside Professional Services	\$186,095.00	\$170,210.00		\$29,595.00	
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$2,500.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim /aux users.	\$1,875.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136
Site Coordination Meeting	\$2,500.00	\$2,500.00	Updated cost based on actual coordination meeting cost.	\$1,875.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136

RF System Test	\$5,000.00	\$5,000.00	Updated reduced cost based on revised estimate from ATC.	\$3,750.00	Budget was reduced from initia 399 submission due to a revised cost estimate. "Inv 46020013 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 46020013
ATC Perform engineering study for new channel assignment and antenna development	\$5,000.00	\$5,000.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim /aux users.	\$3,750.00	"Inv 46020013 ATC MS1 with CL and updated estimate pdf" replaces a previous versions o invoice number 46020013
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 - \$3,680.00 \$3,500.00 N/A N/A Prepare and File request for Special Temporary Authorization Attorney Fees - \$4,210.00 \$4,000.00 N/A						
Negotiation of lease and other matters for shared locations \$2,365.00 \$2,250.00 N/A N/A Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application \$4,000.00 N/A N/A Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application \$5,260.00 \$5,000.00 N/A N/A Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application \$1,500.00 N/A N/A Prepare request for Special \$2,050.00 \$1,500.00 N/A N/A	Prepare and File request for Special Temporary	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Prepare and File FCC Form 2100 (main), License to Cover Application Attorney Fees - Aux Antenna, prepare and File Form 2100 \$4,000.00 Construction Permit or License Application Attorney Fees - Prepare and File FCC Form 2100 (main), \$5,260.00 2100 (main), Construction Permit Application Prepare \$2,050.00 \$1,500.00 N/A N/A	Negotiation of lease and other matters for shared	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Aux Antenna, prepare and File Form 2100 Construction Permit or License Application Attorney Fees - \$5,260.00 \$5,000.00 N/A N/A Prepare and File FCC Form 2100 (main), Construction Permit Application Prepare \$2,050.00 \$1,500.00 N/A N/A request for Special	Prepare and File FCC Form 2100 (main), License to Cover	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Prepare and File FCC Form 2100 (main), Construction Permit Application Prepare \$2,050.00 \$1,500.00 N/A N/A request for Special	Aux Antenna, prepare and File Form 2100 Construction Permit or License	\$4,210.00	\$4,000.00	N/A	N/A	N/A
request for Special	Prepare and File FCC Form 2100 (main), Construction Permit	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Temporary Authorization	request for Special Temporary	\$2,050.00	\$1,500.00	N/A	N/A	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	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	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	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	N/A	N/A

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development	
Sub-total \$186,095.00 \$170,210.00 N/A \$29,595.00	N/A
Total for all \$6,776,081.86 \$4,745,295.23 N/A \$3,010,336.06 systems	N/A

Actual Information Description	File Name	
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Component Description:	Updated attachment: Milestone 1 (of 3) payment for our portion of environmental assessment at multi-user Main Site. This is line 1- A-3 Environmental Assessment in the project cost estimate section III. B.5 Outside
		Professional
		Services.
	Amount:	\$625.00
	Component Description: Amount:	Milestone 2 (of 3) payment for our portion of environmental assessment at multi-user Main Site. This is line 1- A-3 Environmental Assessment in the project cost estimate section III. B.5 Outside Professional Services. \$1,250.00
Site Coordination Meeting		

Site Coordination Meeting

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our

portion of coordination meeting for multiuser Main Site. This is line 1-B-1 Site Coordination

project cost estimate section III.

Meeting in the

B.5 Outside Professional Services.

Amount: \$625.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

Component Description: Milestone 2 (of 3)

payment for our portion of coordination meeting for multiuser Main Site. This is line 1-B-1 Site Coordination Meeting in the project cost

estimate section III.

B.5 Outside Professional Services.

Amount: \$1,250.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

RF System Test

Component Description: Updated

attachment:

Milestone 1 (of 3)
payment for our
portion of RF
system testing at
multi-user Main
Site. This is line 1B-1 RF System
Test in the project
cost estimate
section III.B.5
Outside
Professional

Services. Amount: \$1,250.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

Component Description: Milestone 2 (of 3)

payment for our portion of RF system testing at multi-user Main Site. This is line 1-B-1 RF System Test in the project cost estimate

section III.B.5

Outside Professional

Services.

Amount: \$2,500.00

ATC Perform engineering study for new channel	Component Description:	Updated
assignment and antenna	Component Description.	attachment:
development		Milestone 1 (of 3)
		payment for our
		portion of ATC
		engineering on
		multi-user BBA
		antenna at multi-
		user Main Site.
		This is line 1-A-2
		Perform
		Engineering Stud
		in the project cos
		estimate section
		B.5 Outside
		Professional
		Services.
	Amount:	\$1,250.00
	Component Description:	Milestone 2 (of 3)
		payment for our
		portion of ATC
		engineering on
		multi-user BBA
		antenna at multi-
		user Main Site.
		This is line 1-A-2
		Perform
		Engineering Stud
		in the project cos
		estimate section
		B.5 Outside
		Professional Services.
	Amount:	\$2,500.00
		4 =,000.00
	Information not provided.	
RF Exposure Measurements		
	Information not provided.	

Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.

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

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of ATC transition timing coordination at multi-user Main Site. This is line 1-

A-1 Address Transition Timing in the project cost estimate section III.

B.5 Outside Professional Services.

Amount: \$625.00

Component Description: Milestone 2 (of 3)

payment for our portion of ATC transition timing coordination at multi-user Main Site. This is line 1-

A-1 Address

Transition Timing and Coordination in the project cost estimate section III.

B.5 Outside Professional Services.

Amount: \$1,250.00

Project management of the transition

Component Description: Updated

attachment: Main Site milestone 1 (of 3) payment for our

portion of

American Tower's

project

management. This is line 1-A-1

Project

Management in the

project cost

estimate section III.

B.5 Outside Professional Services.

Amount: \$2,370.00

Component Description: 50% Interim Site

milestone 2 (of 3) payment for our

portion of

American Tower's

project

management. This

is line 1-A-1 Project

Management in the

project cost

estimate section III.

B.5 Outside Professional Services.

Amount: \$4,740.00

Component Description: 25% Interim Site

milestone 1 (of 3) payment for our

portion of

American Tower's

project

management. This is line 1-A-1

Project

Management in the

project cost

estimate section III.

B.5 Outside Professional Services.

Amount: \$2,370.00

Component Description: Main Site

milestone 2 (of 3) payment for our portion of

American Tower's

project

management. This is line 1-A-1 Project

Management in the

project cost

estimate section III.

B.5 Outside Professional Services.

Amount: \$4,740.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

	Component Description: Amount:	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. N/A
Prepare and or review reimbursement form	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	50% at billing milestone 2, line 1- A-2 in ATC project cost estimate section III.B.5 Outside Professional Services. \$1,500.00
	Component Description:	25% at billing milestone 1, line 1- A-2 in ATC project cost estimate section III.B.5 Outside Professional Services.
	Amount:	\$750.00

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 Cos
Other Expenses	\$192,391.00	\$191,786.00		\$102,150.00	
Main Site Asbestos and Lead Tests	\$1,800.00	\$1,800.00	Cost for testing of any material required during construction.	\$1,350.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200136
Main Site Security During Install	\$3,600.00	\$3,600.00	Cost to provide security of construction supplies and equipment.	\$2,700.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200136

Main Site Public Hearing	\$400.00	\$400.00	Cost for representation at any required public hearings.	\$300.00	"Inv 46020013" ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 46020013
Main Site Nitrogen System	\$3,000.00	\$3,000.00	ATC provided cost for site shared nitrogen generation system.	\$2,250.00	A nitroger generator was added to the project scope afte initial 399 submission due to a project oversight by ATC. "Inv 460200130 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200130
Interim Site Nitrogen System Upgrade	\$3,000.00	\$3,000.00	ATC provided cost for site shared nitrogen generation system.	N/A	N/A

Main Site Structural Engineering Study	\$5,700.00	\$5,700.00	Cost to determine required upgrades and structural enhancements to tower as a result of the work and installation of new antennas.	\$4,275.00	"Inv 460200130 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200130
Interim Site transition timing and coordination	\$2,000.00	\$2,000.00	N/A	\$1,500.00	N/A
Interim Site Tower Rigging	\$33,000.00	\$33,000.00	N/A	\$24,750.00	N/A
Interim Site Tower Permit Drawing Package	\$4,700.00	\$4,700.00	N/A	\$3,525.00	N/A
Interim Site Site Coordination Meeting	\$960.00	\$960.00	Updated cost based on updated cost estimate from ATC.	\$720.00	N/A
Interim Site RF System Test	\$3,000.00	\$3,000.00	N/A	\$2,250.00	N/A
Interim Site Public Hearing	\$240.00	\$240.00	N/A	\$180.00	N/A
Interim Site Lease	\$57,600.00	\$57,600.00	N/A	\$43,200.00	N/A
Interim Site Ground and Building Permit Drawings	\$4,700.00	\$4,700.00	N/A	\$3,525.00	N/A

Interim Site Equipment Delivery and Handling Costs	\$3,000.00	\$3,000.00	N/A	\$2,250.00	N/A
Interim Site Construction Project Management	\$3,000.00	\$3,000.00	Updated cost based on revised estimate from ATC.	\$2,250.00	N/A
Interim Site Building Permits	\$750.00	\$750.00	N/A	\$562.50	N/A
MVPD Notification of Channel Change	\$2,001.00	\$2,001.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	N/A	N/A	N/A
Equipment Storage	\$8,000.00	\$8,000.00	External locked storage container to store equipment during construction.	N/A	N/A
Equipment Delivery and Handling Charges	\$3,000.00	\$3,000.00	ATC estimated \$3,000 for Main site	\$2,250.00	"Inv 46020013 ATC MS1 with CL and updated estimate pdf" replaces a previous versions o invoice number 46020013

equipment and other waste, net of any salvage value) Part						
by ATC as part of the main site with CI project. WFXT and will be the update primary user. estimat WCVB, WBZ, pdf" WSBK, and replaces WGBX will be interim/aux versions users. invoice numbe 4602001 FCC Filling \$195.00 \$190.00 N/A N/A N/A N/A N/A N/A N/A N/A Pees - Special Temporary Authorization request DTV Medical Facility Notification FCC Filling \$1,110.00 \$1,070.00 N/A N/A N/A N/A N/A N/A Fees - Form 2100 minor change CP application FCC Filling \$335.00 \$325.00 N/A N/A N/A N/A N/A Fees - Form 2100 license to cover	Costs (for equipment and other waste, net of any	\$20,000.00	\$20,000.00	estimate, plus \$15,000 estimate for recycling and removal of oil- filled power supplies, tubes, and other	\$3,750.00	46020013 ATC MS1 with CL and updated estimate
Fees - Special Temporary Authorization request \$11,550.00 \$11,000.00 N/A N/A N/A DTV Medical Facility Notification \$11,1550.00 \$11,000.00 N/A N/A N/A FCC Filing Fees - Form 2100 minor change CP application \$335.00 \$325.00 N/A N/A N/A Fees - Form 2100 license to cover \$1,070.00 N/A N/A N/A	Local Zoning	\$750.00	\$750.00	by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux	\$562.50	460200130 ATC MS1 with CL and updated estimate.
Facility Notification FCC Filing Fees - Form 2100 minor change CP application FCC Filing \$335.00 \$325.00 N/A	Fees - Special Temporary Authorization	\$195.00	\$190.00	N/A	N/A	N/A
Fees - Form 2100 minor change CP application FCC Filing \$335.00 \$325.00 N/A N/A Fees - Form 2100 license to cover	Facility	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Fees - Form 2100 license to cover	Fees - Form 2100 minor change CP	\$1,110.00	\$1,070.00	N/A	N/A	N/A
	Fees - Form 2100 license to cover	\$335.00	\$325.00	N/A	N/A	N/A

Sub-total	\$192,391.00	\$191,786.00	N/A	\$102,150.00	N/A
Total for all systems	\$6,776,081.86	\$4,745,295.23	N/A	\$3,010,336.06	N/A

Components

Actual Information Description	File Name	
Main Site Asbestos and Lead Tests	Component Description: Amount:	Updated attachment: ATC Milestone 1 billing of 25% of total on line 1-B-1 testing for asbestos and lead paint in the project cost estimate section III. B.6 Other Expenses. \$450.00
	Component Description: Amount:	ATC Milestone 2 billing of 50% of total on line 1-B-1 testing for asbestos and lead paint in the project cost estimate section III.B.6 Other Expenses. \$900.00

Main Site Security Durin	g
Install	

Component Description: Updated

attachment: ATC
Milestone 1
invoice line 1-B-1
Site Security

during

construction in the

project cost

estimate section III.

B.6 Other Expenses.

Amount: \$900.00

Component Description: ATC Milestone 2

invoice line 1-B-1 Site Security

during

construction in the

project cost

estimate section III.

B.6 Other Expenses.

Amount: \$1,800.00

Main Site Public Hearing		
	Component Description: Amount:	Updated attachment: ATC Milestone 1 invoice line 1-B-1 public hearing in the project cost estimate section III. B.6 Other Expenses. \$100.00
	Amount.	ψ100.00
	Component Description:	ATC Milestone 2 invoice line 1-B-1 public hearing in the project cost estimate section III. B.6 Other Expenses.
	Amount:	\$200.00
Main Site Nitrogen System		
	Component Description: Amount:	Updated attachment: ATC Milestone 1 billing at 25% of invoice line 1-B-1 Nitrogen Generator in the project cost estimate section III. B.6 Other Expenses. \$750.00
	Component Description:	ATC Milestone 2 billing at 50% of invoice line 1-B-1 Nitrogen Generator in the project cost estimate section III. B.6 Other Expenses.
	Amount:	\$1,500.00

Interim Site Nitrogen System Upgrade	Information not provided.	
Main Site Structural Engineering Study		
Engineering Study	Component Description:	Updated attachment: ATC Milestone 1 invoice line 3-A-1 structural engineering load study for main tower in the project cost estimate section III. B.4 Tower Equipment and
	Amount:	Rigging Costs. \$1,425.00
	Component Description:	ATC Milestone 2 invoice line 3-A-1 structural engineering load study for main tower in the project cost estimate section III. B.4 Tower Equipment and Rigging Costs.
	Amount:	\$2,850.00

Interim Site transit	ion timing
and coordination	

Component Description: 25% at billing

milestone 1, line 1-

A-1 Address transition timing and coordination in ATC project cost estimate section III.B.5

Outside

Professional Services.

Amount: \$500.00

Component Description: 50% at billing

milestone 2, line 1-

A-1 Address transition timing and coordination in ATC project cost estimate section III.B.5 Outside

Professional Services.

Amount: \$1,000.00

Interim Site Tower Rigging **Component Description:** 25% at billing milestone 1, line 3-C-1 in ATC project cost estimate section III.B.4 **Tower Equipment** and Rigging Costs. Amount: \$8,250.00 **Component Description:** 50% at billing milestone 2, line 3-C-1 in ATC project cost estimate section III.B.4 **Tower Equipment** and Rigging Costs. **Amount:** \$16,500.00 Interim Site Tower Permit **Drawing Package Component Description:** 25% at billing milestone 1, line 3-**D-1 Tower Permit Drawing Package** in ATC project cost estimate section III.B.4 **Tower Equipment** and Rigging Costs. Amount: \$1,175.00 **Component Description:** 50% at billing milestone 2, line 3-**D-1 Tower Permit Drawing Package** in ATC project cost estimate section III.B.4 **Tower Equipment** and Rigging Costs. Amount: \$2,350.00

Interim Site Site
Coordination Meeting

Component Description: 25% at billing

milestone 1, line 1-

B-1 Site Coordination Meeting in ATC project cost

estimate section III.

B.5 Outside Professional Services.

Amount: \$240.00

Component Description: 50% at billing

milestone 2, line 1-

B-1 Site Coordination Meeting in ATC project cost

estimate section III.

B.5 Outside Professional Services.

Amount: \$480.00

Component Description:	50% at billing milestone 2, line 1- B-1 RF System Test in ATC project cost estimate section III. B.5 Outside Professional Services.
Amount:	\$1,500.00
Component Description:	25% at billing milestone 1, line 1- B-1 RF System Test in ATC project cost estimate section III. B.5 Outside Professional Services.
Amount:	\$750.00
Component Description:	25% at billing milestone 1, line 1-B-1 Public Hearing in ATC project cost estimate section III.B.6 Other Expenses.
Amount:	\$60.00
Component Description:	50% at billing milestone 2, line 1-
	Amount: Component Description: Component Description: Amount:

Interim	Site	Lease
1111611111	Oile	Lease

Component Description: 50% at billing

milestone 2, line 1-B-1 ATC one-time tower rental during repack in ATC project cost

estimate section III.

B.6 Other Expenses.

Amount: \$28,800.00

Component Description: 25% at billing

milestone 1, line 1-B-1 ATC one-time tower rental during repack in ATC project cost

estimate section III.

B.6 Other Expenses.

Amount: \$14,400.00

Interim Site Ground and		
Building Permit Drawings	Component Description:	50% at billing
		milestone 2, line 3-
		D-1 Ground &
		Building A&E
		Drawings in ATC
		project cost
		estimate section III.
		B.4 Tower
		Equipment and
		Rigging Costs.
	Amount:	\$2,350.00
	Component Description:	25% at billing
		milestone 1, line 3-
		D-1 Ground &
		Building A&E
		Drawings in ATC
		project cost
		estimate section III.
		B.4 Tower
		Equipment and
		Rigging Costs.
	Amount:	\$1,175.00
Interim Site Equipment		
Delivery and Handling Costs	Component Description:	50% at billing
		milestone 2, line 1-
		A-4 in ATC project
		cost estimate
		section III.B.6
		Other Expenses

Other Expenses.

Amount: \$1,500.00

Component Description: 25% at billing

> milestone 1, line 1-A-4 in ATC project cost estimate section III.B.6 Other Expenses.

\$750.00 Amount:

Interim Site Construction		
Project Management	Component Description:	25% at billing milestone 1, line 3-
		D-1 Construction
		Project
		Management in
		ATC project cost
		estimate section III.
		B.4 Tower
		Equipment and
	Amount:	Rigging Costs. \$750.00
	Amount	ψ130.00
	Component Description:	50% at billing
		milestone 2, line 3-
		D-1 Construction
		Project
		Management in
		ATC project cost estimate section III.
		B.4 Tower
		Equipment and
		Rigging Costs.
	Amount:	\$1,500.00
Interim Site Building Permits		
	Component Description:	50% at billing
		milestone 2, line 1-
		A-3 in ATC project
		cost estimate
		section III.B.6 Other Expenses.
	Amount:	\$375.00
		,
	Component Description:	25% at billing
		milestone 1, line 1-
		A-3 in ATC project
		cost estimate
		section III.B.6
	Amount:	Other Expenses. \$187.50
MAVIDD NI-VIII - 1	Information 1 1 1	
MVPD Notification of Channel Change	Information not provided.	

Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.

Equipment Delivery and Handling Charges

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of ATC equipment handling and delivery at multiuser Main Site.

This is line 1-A-4 Equipment Delivery in the project cost

estimate section III.

B.6 Other Expenses.

Amount: \$750.00

Component Description: This cost

component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.

Amount: N/A

Component Description: Milestone 2 (of 3)

payment for our portion of ATC equipment handling and delivery at multiuser Main Site. This is line 1-A-4 Equipment Delivery in the

project cost estimate section III.

B.6 Other Expenses.

Amount: \$1,500.00

Disposal Costs (for equipment and other waste, net of any salvage value)

Component Description: Updated

attachment:

Milestone 1 (of 3) payment for our portion of disposal costs at multi-user Main Site. This is

line 1-A-4

Disposal Cost in the project cost estimate section III.

B.6 Other Expenses.

Amount: \$1,250.00

Component Description: Milestone 2 (of 3)

payment for our portion of disposal costs at multi-user Main Site. This is

line 1-A-4

Disposal Cost in the project cost estimate section III.

B.6 Other Expenses.

Amount: \$2,500.00

Local Zoning **Component Description:** Updated attachment: Milestone 1 (of 3) payment for our portion of building permits at multiuser Main Site. This is line 1-A-3 Obtain Building Permits in the project cost estimate section III. B.6 Other Expenses. Amount: \$187.50 **Component Description:** This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions. Amount: N/A **Component Description:** Milestone 2 (of 3) payment for our portion of building permits at multiuser Main Site. This is line 1-A-3 Obtain Building Permits in the project cost estimate section III. B.6 Other Expenses.

FCC Filing Fees - Special Temporary Authorization request Information not provided.

\$375.00

Amount:

DTV Medical Facility Notification	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$6,776,081.86	\$4,745,295.23	\$3,010,336.06

Reimbursem	envestiatus	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

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. Sean Anker Director of Engineering

05/20/2019

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. Sean
Anker
Director of
Engineering

05/20/2019

Attachments